



**UNC GREENSBORO**

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*One-Hundred-and-Thirty-Second  
Annual University Catalog*

2023–24

# ABOUT THIS UNIVERSITY CATALOG

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The publisher of this bulletin has made every reasonable effort to attain factual accuracy herein and has attempted to present information that most accurately describes the course offerings, faculty listings, policies, procedures, regulations, and requirements of the university at the time of publication on May 1, 2023; however, it does not establish contractual relationships. No responsibility is assumed for editorial, clerical, or printing errors, or error occasioned by mistake.

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Greensboro, NC 27412

# ACADEMIC CALENDAR

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## Fall 2023

August 7–11, Mon.–Fri. – Orientation, advising, and registration for all students based on student population and classification  
August 7, Monday – Fall semester opens  
August 8, Tuesday – UNCG Annual Kickoff  
August 14, Monday – Convocation Day  
August 15, Tuesday – Classes begin, 8:00 a.m.  
August 15, Tuesday – Financial aid satisfactory academic progress appeals deadline  
August 15–21, Tues.–Mon. – Late registration and schedule adjustment  
August 21, Monday – Hours locked for financial aid purposes.  
August 21, Monday – Drop/Add period ends; last day to change course(s) or course section(s) for the Standard Term.  
August 21, Monday – Last day to withdraw from a course for tuition and fees refund; course withdrawal policy in effect after this date.  
August 22, Tuesday – Deadline for graduate students to apply to graduate in December  
August 28, Monday – Census reporting; no additional schedule adjustment for the Standard Term.  
September 4, Monday – Labor Day holiday. Classes dismissed; offices closed.  
September 22, Friday – Mid-term grades due; grading window opens September 11.  
October 5, Thursday – Founders Day  
October 6, Friday – Deadline for undergraduates to apply to graduate in December  
October 6, Friday – Last day to withdraw from a course without incurring a WF grade (withdraw failing)  
October 6, Friday – Instruction ends for Fall Break, 6:00 p.m.  
October 11, Wednesday – Classes resume after Fall Break, 8:00 a.m.  
Oct. 11–Nov. 20, Wed.–Mon. – Spring semester advising for continuing students, by appointment  
October 20, Friday – Final date for December doctoral candidates' oral examinations  
November 1, Wednesday – Deadline for undergraduates to apply to student teach during Fall 2024  
November 3, Friday – Deadline for filing dissertation and original signature pages with the Graduate School  
Nov. 3–Nov. 20, Fri.–Mon. – Spring semester registration for continuing students  
November 13, Monday – Deadline for filing thesis with the Graduate School  
November 21, Tuesday – Instruction ends for Thanksgiving holiday, 10:00 p.m.  
November 27, Monday – Classes resume, 8:00 a.m.  
November 29, Wednesday – Last day of classes  
November 30, Thursday – Final date for complete clearance of December graduate degree candidates.  
November 30, Thursday – Deadline for final submission of thesis or dissertation to the Graduate School.  
November 30, Thursday – Reading Day  
Dec. 1 & 2, Fri. & Sat.; Dec. 4–7, Mon.–Thurs. – Final examinations  
December 8, Friday – December Commencement, Greensboro Coliseum (11:00 a.m.)  
December 8, Friday – December Graduate School Graduation Ceremony (3:30 p.m.)  
December 9, Saturday – Deadline for submission of final grades for the Standard Term by 10:00 p.m.

*Approved by the Faculty Senate November 11, 2020.*

### **Days of the Week Meeting Distribution for Fall**

The one-day shortage of Mondays in the fall is made up with the one-day overage of Wednesdays (for MW or MWF meeting patterns). If a class meets only on Monday (three-hour class), then it is the instructor's responsibility to make up the 150 minute deficit via an online or other instructional method outside of the classroom.

## Spring 2024

January 2–5, Tues.–Fri. – Orientation, advising, and registration for all students based on student population and classification  
January 8, Monday – Classes begin, 8:00 a.m.  
January 8, Monday – Financial aid satisfactory academic progress appeals deadline  
January 8–12, Mon.–Fri. – Late registration and schedule adjustment  
January 12, Friday – Hours locked for financial aid purposes.  
January 12, Friday – Drop/Add period ends; last day to change course(s) or course section(s) for the Standard Term.  
January 12, Friday – Last day to withdraw from a course for tuition and fees refund; course withdrawal policy in effect after this date.  
January 15, Monday – Dr. Martin Luther King Jr. holiday. Classes dismissed; offices closed.  
January 15, Monday – Deadline for graduate students to apply to graduate in May  
January 22, Monday – Census reporting; no additional schedule adjustment for the Standard Term.  
February 1, Thursday – Summer session registration begins for continuing students.  
February 15, Thursday – Deadline for undergraduates to apply to student teach during Spring 2025  
February 16, Friday – Mid-term grades due; grading window opens February 5.

March 1, Friday – Last day to withdraw from a course without incurring a WF grade (withdraw failing)  
March 1, Friday – Financial aid priority filing period ends for 2024–25 academic year.  
March 2, Saturday – Instruction ends for Spring Break, 1:00 p.m.  
March 8, Friday – Deadline for undergraduates to apply to graduate in May  
March 11, Monday – Classes resume after Spring Break, 8:00 a.m.  
March 11–Apr. 4, Mon.–Thurs. – Fall semester advising for continuing students, by appointment  
March 13, Wednesday – Final date for May doctoral candidates' oral examinations  
March 20, Wednesday – Deadline for filing dissertation and original signature pages with the Graduate School  
March 29, Friday – Spring holiday. Classes dismissed; offices closed.  
April 2, Tuesday – Deadline for filing thesis with the Graduate School  
Apr. 8–Apr. 21, Mon.–Sun. – Fall semester registration for continuing students  
April 24, Wednesday – Last day of classes  
April 25, Thursday – Final date for complete clearance of May candidates for graduate degrees.  
April 25, Thursday – Deadline for final submission of thesis or dissertation to the Graduate School.  
April 25, Thursday – Reading Day  
April 26 & 27, Fri. & Sat.; April 29–May 2, Mon.–Thurs. – Final examinations  
May 2, Thursday – May Graduate School Graduation Ceremony, Greensboro Coliseum, 10:00 a.m.  
May 3, Friday – May Commencement, Greensboro Coliseum, 10:00 a.m.  
May 4, Saturday – Deadline for submission of final grades for the Standard Term.

*Approved by the Faculty Senate November 11, 2020.*

#### **Days of the Week Meeting Distribution for Spring**

The one-day shortage of Fridays in the spring is made up with the one-day overage of Wednesdays. If a class meets only on Friday (three-hour class), then it is the instructor's responsibility to make up the 150 minute deficit via an online or other instructional method outside of the classroom.

## **Summer 2024**

May 6, Monday – MBA and BLS first summer session classes begin  
May 8, Wednesday – First summer session classes begin  
May 15, Wednesday – Deadline for graduate students to apply to graduate in Summer  
May 27, Monday – Memorial Day holiday. Classes dismissed; offices closed.  
June 12, Wednesday – First summer session final examinations  
June 12, Wednesday – Final date for August doctoral candidates' oral examinations  
June 13, Thursday – Second summer session classes begin  
June 14, Friday – Deadline for filing thesis with the Graduate School  
June 14, Friday – MBA and BLS first summer session final examinations  
June 17, Monday – MBA and BLS second summer session classes begin  
June 19, Wednesday – Juneteenth holiday. Campus observance programs. Classes meet; offices open.  
June 21, Friday – Deadline for filing dissertation and original signature pages with the Graduate School  
July 4, Thursday – Independence Day holiday. Classes dismissed; offices closed.  
To Be Announced – Deadline for undergraduates to apply to graduate in August  
July 18, Thursday – Second summer session final examinations  
July 18, Thursday – Deadline for final submission of thesis or dissertation to the Graduate School  
July 29, Monday – MBA and BLS second summer session final examinations  
August 2, Friday – Summer graduation date

*Approved by the Faculty Senate November 11, 2020. Amended April 14, 2021.*

# TABLE OF CONTENTS

Programs A-Z .....	12	First Year Experience (FYE) .....	106
Courses .....	17	Foundations for Learning (FFL) .....	106
Academic Recovery Seminar (ARS) .....	18	French (FRE) .....	106
Accounting (ACC) .....	18	Freshman Seminars Program (FMS) .....	109
Advanced Data Analytics (IAA) .....	20	Genetic Counseling (GEN) .....	110
African American and African Diaspora Studies (ADS) .....	20	Geography, Environment, and Sustainability (GES) .....	111
American Sign Language (ASL) .....	22	Geospatial Analytics (IAG) .....	119
Anthropology (ATY) .....	22	German (GER) .....	119
Apparel Product Design (APD) .....	26	Gerontology (GRO) .....	121
Arabic (ARB) .....	26	Greek (GRK) .....	122
Archaeology (ARC) .....	27	Grogan College (GRC) .....	122
Art (ART) .....	27	Health Informatics (IAH) .....	122
Art Education (ARE) .....	31	Higher Education (HED) .....	122
Art History (ARH) .....	31	History (HIS) .....	124
Arts Administration (AAD) .....	34	Honors Programs (HSS) .....	132
Astronomy (AST) .....	35	Hospitality and Tourism Management (HTM) .....	136
Bioinformatics (IAB) .....	35	Human Development and Family Studies (HDF) .....	137
Biology (BIO) .....	35	Humanities (BLS) .....	141
Business Administration (BUS) .....	43	Informatics and Analytics Foundations (IAF) .....	143
Chemistry and Biochemistry (CHE) .....	46	Information Science (IST) .....	143
Chinese (CHI) .....	51	Information Systems and Operations Management (ISM) .....	144
Classical Civilization (CCI) .....	52	Integrated Professional Studies (IPS) .....	147
Communication Sciences and Disorders (CSD) .....	54	Integrated Studies Lab (ISL) .....	148
Communication Studies (CST) .....	57	Interior Architecture (IAR) .....	148
Community and Therapeutic Recreation (CTR) .....	60	Interlink (ITL) .....	152
Comprehensive Transition and Postsecondary Education (CTP) .....	62	International and Global Studies (IGS) .....	152
Computational Analytics (IAC) .....	63	International Student Exchange (ISE) .....	152
Computer Science (CSC) .....	63	Italian (ITA) .....	152
Consortium (CNS) .....	70	Japanese Studies (JNS) .....	153
Consumer, Apparel, and Retail Studies (CRS) .....	70	Kinesiology (KIN) .....	154
Counseling and Educational Development (CED) .....	72	Korean (KOR) .....	162
Cultural Analytics (IAL) .....	76	Languages, Literatures, and Cultures (LLC) .....	163
Dance (DCE) .....	77	Latin (LAT) .....	164
Economics (ECO) .....	83	Library and Information Science (LIS) .....	165
Educational Leadership and Cultural Foundations (ELC) .....	87	Management (MGT) .....	168
Educational Research Methodology (ERM) .....	90	Marketing (MKT) .....	169
English (ENG) .....	94	Master of Applied Arts and Sciences (MAS) .....	171
Entrepreneurship (ENT) .....	102	Master of Business Administration (MBA) .....	172
Finance (FIN) .....	105	Mathematics (MAT) .....	173
		Media Studies (MST) .....	179
		Middle College (MCP) .....	182
		Military Science (MSC) .....	183

Music Education (MUE) .....	183	Biology .....	308
Music Ensemble (ENS) .....	186	Biology, B.A. ....	309
Music Performance (MUP) .....	190	Biology, B.S. ....	310
Music Studies (MUS) .....	197	Biology Undergraduate Minor .....	312
Nanoscience (NAN) .....	201	Biology Second Academic Concentration .....	313
Nursing (NUR) .....	206	Biology, M.S. ....	313
Nutrition (NTR) .....	216	Environmental Health Science, Ph.D. ....	314
Online NC Interinstitutional (ONC) .....	220	Chemistry and Biochemistry .....	316
Peace and Conflict Studies (PCS) .....	220	Biochemistry, B.S. ....	317
Philosophy (PHI) .....	223	Chemistry, B.A. ....	318
Physics (PHY) .....	226	Chemistry, B.S. ....	320
Political Science (PSC) .....	229	Chemistry Undergraduate Minor .....	322
Psychology (PSY) .....	234	Chemistry, M.S. ....	322
Public Health (HEA) .....	238	Chemistry and Biochemistry, Ph.D. ....	323
Religious Studies (REL) .....	244	Classical Studies .....	325
Residential College (RCO) .....	248	Classical Studies, B.A. ....	325
Retailing and Consumer Studies (RCS) .....	251	Classical Studies Undergraduate Minor .....	327
Russian (RUS) .....	251	Classical Studies Second Academic Concentration .....	327
School of Health and Human Sciences (HHS) .....	252	Communication Studies .....	329
Social Sciences (SSC) .....	254	Communication Studies, B.A. ....	330
Social Work (SWK) .....	254	Communication Studies Undergraduate Minor .....	331
Sociology (SOC) .....	258	Communication Studies Second Academic Concentration ....	332
Spanish (SPA) .....	261	Communication Studies, M.A. ....	332
Specialized Education Services (SES) .....	265	Computer Science .....	334
Statistics (STA) .....	272	Computer Science, B.S. ....	334
Strong College (STR) .....	275	Computer Science Undergraduate Minor .....	336
Supply Chain Management (SCM) .....	275	Computer Science, M.S. ....	336
Teacher Education (TED) .....	276	Computer Science, Ph.D. ....	338
Theatre (THR) .....	283	English .....	341
UNC Exchange (UNCX) .....	293	English, B.A. ....	341
University Libraries (LIB) .....	293	English, Secondary Education, B.A. ....	343
Visual and Performing Arts (VPA) .....	293	Advocacy and Public Writing Undergraduate Minor .....	346
Western Civilization (WCV) .....	294	Creative Writing Undergraduate Minor .....	346
Women's, Gender, and Sexuality Studies (WGS) .....	294	English Undergraduate Minor .....	347
College of Arts and Sciences .....	297	English Second Academic Concentration .....	347
African American and African Diaspora Studies .....	302	Creative Writing, M.F.A. ....	348
African American and African Diaspora Studies, B.A. ....	302	English, M.A. ....	349
African American Studies Undergraduate Minor .....	303	English, Ph.D. ....	351
Anthropology .....	305	Geography, Environment, and Sustainability .....	353
Anthropology, B.A. ....	305	Environment and Sustainability, B.A. ....	354
Anthropology Undergraduate Minor .....	307	Geography, B.A. ....	358
Anthropology Second Academic Concentration .....	307	Geography, Secondary Education, B.A. ....	360

Geography, B.S. ....	361
Climate Justice Undergraduate Minor .....	364
Digital Earth Technologies Undergraduate Minor .....	364
Environment Undergraduate Minor .....	364
Geography Undergraduate Minor .....	366
Sustainability Undergraduate Minor .....	367
Geography Second Academic Concentration .....	368
Applied Geography, M.A. ....	369
Sustainability and Environment, M.S. ....	371
Geography, Ph.D. ....	372
Climate Justice, Post-Baccalaureate Certificate .....	372
Conservation, Post-Baccalaureate Certificate .....	373
Digital Earth Technologies, Post-Baccalaureate Certificate ...	373
Environmental Humanities, Post-Baccalaureate Certificate .....	374
Global Societies and Governance, Post-Baccalaureate Certificate .....	374
Sustainability, Post-Baccalaureate Certificate .....	375
History .....	376
History, B.A. ....	376
History, Secondary Education, B.A. ....	379
History Undergraduate Minor .....	382
History Second Academic Concentration .....	382
History, M.A. ....	382
History, Ph.D. ....	384
Informatics and Analytics .....	386
Informatics and Analytics, M.S. ....	386
Interior Architecture .....	388
Interior Architecture, B.F.A. ....	388
Design Studies Undergraduate Minor .....	389
Historic Preservation Undergraduate Minor .....	390
Interior Architecture, M.F.A. ....	390
Historic Preservation, Post-Baccalaureate Certificate .....	392
Languages, Literatures, and Cultures .....	393
Languages, Literatures, and Cultures, B.A. ....	394
Spanish, B.A. ....	401
American Sign Language Undergraduate Minor .....	403
Chinese Undergraduate Minor .....	403
French and Francophone Studies Undergraduate Minor .....	403
German Undergraduate Minor .....	404
Russian Undergraduate Minor .....	404
Spanish Undergraduate Minor .....	404
Languages, Literatures, and Cultures Second Academic Concentration .....	404
Languages, Literatures, and Cultures, M.A. ....	407
Master of Arts in Teaching, M.A.T. ....	409
Teacher Education, M.Ed. ....	410
Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate .....	411
Liberal and Professional Studies .....	413
Liberal and Interdisciplinary Studies, B.A. ....	417
Professional Studies Online, B.S. ....	434
African Studies Undergraduate Minor .....	435
Archaeology Undergraduate Minor .....	435
Asian Studies Undergraduate Minor .....	435
European Studies Undergraduate Minor .....	436
International and Global Studies Undergraduate Minor .....	436
Latin American and Caribbean Studies Undergraduate Minor .....	436
Russian Studies Undergraduate Minor .....	436
Liberal and Interdisciplinary Studies, M.A. ....	437
eLearning, Post-Baccalaureate Certificate .....	437
Global Studies, Post-Baccalaureate Certificate .....	438
Mathematics and Statistics .....	439
Mathematics, B.A. ....	439
Mathematics, B.S. ....	442
Mathematics Undergraduate Minor .....	444
Statistics Undergraduate Minor .....	444
Mathematics Second Academic Concentration .....	444
Applied Statistics, M.S. ....	445
Mathematics, M.A. ....	446
Computational Mathematics, Ph.D. ....	449
Statistics, Doctoral Minor .....	450
Statistics, Post-Baccalaureate Certificate .....	450
Media Studies .....	451
Media Studies, B.A. ....	451
Media Studies Undergraduate Minor .....	452
Radio Undergraduate Minor .....	453
Philosophy .....	454
Philosophy, B.A. ....	454
Medical Humanities Undergraduate Minor .....	455
Philosophical Ethics Undergraduate Minor .....	456
Philosophy Undergraduate Minor .....	456
Philosophy Second Academic Concentration .....	456
Physics and Astronomy .....	457

Physics, B.A. ....	457	School of Art .....	496
Physics, B.S. ....	458	Art, B.A. ....	497
Physics Undergraduate Minor .....	459	Arts Administration, B.A. ....	498
Physics and Astronomy Second Academic Concentration ....	459	Art Education (K–12), B.F.A. ....	499
Political Science .....	461	Studio Art, B.F.A. ....	501
Political Science, B.A. ....	461	Art History Undergraduate Minor for Artists and Art Museum Studies .....	504
Civic Leadership and Engagement Undergraduate Minor ....	464	Art History Undergraduate Minor .....	504
Political Science Undergraduate Minor .....	464	Arts Administration Undergraduate Minor .....	504
Political Science Second Academic Concentration .....	464	New Media and Design Undergraduate Minor .....	504
Public Affairs, M.P.A. ....	464	Painting Undergraduate Minor .....	505
Nonprofit Management, Post-Baccalaureate Certificate ....	466	Photography Undergraduate Minor .....	505
Urban and Economic Development, Post-Baccalaureate Certificate .....	467	Printmaking and Drawing Undergraduate Minor .....	505
Psychology .....	469	Sculpture and Ceramics Undergraduate Minor .....	506
Psychology, B.A. ....	471	Studio Art Undergraduate Minor .....	506
Psychology, B.S. ....	472	Art Second Academic Concentration .....	506
Psychology Undergraduate Minor .....	473	Studio Arts, M.F.A. ....	506
Psychology Second Academic Concentration .....	473	School of Dance .....	508
Psychology, M.A. ....	474	Dance Studies, B.A. ....	508
Psychology, M.A./Ph.D. ....	474	Dance, B.F.A. ....	510
Psychology, Ph.D. ....	476	Dance Undergraduate Minor .....	512
Religious Studies .....	478	Dance, M.A. ....	513
Religious Studies, B.A. ....	478	Dance, M.F.A. ....	513
Islamic Studies Undergraduate Minor .....	480	Dance Education, M.A. ....	514
Jewish Studies Undergraduate Minor .....	480	Dance, Post-Baccalaureate Certificate .....	515
Religious Studies Undergraduate Minor .....	480	Dance, Post-Baccalaureate Licensure .....	515
Videogaming and Esports Studies Undergraduate Minor ....	481	School of Music .....	517
Religious Studies Second Academic Concentration .....	481	Music, B.A. ....	519
Sociology .....	483	Music Education, B.M. ....	520
Sociology, B.A. ....	483	Performance, B.M. ....	523
Sociology Undergraduate Minor .....	485	Music Undergraduate Minor .....	531
Sociology Second Academic Concentration .....	485	Music Composition, M.M. ....	531
Sociology, M.A. ....	485	Music Education, M.M. ....	531
Teaching Sociology, Post-Baccalaureate Certificate .....	486	Music Theory, M.M. ....	532
Women's, Gender, and Sexuality Studies .....	487	Performance, M.M. ....	532
Women's, Gender, and Sexuality Studies, B.A. ....	487	Music, D.M.A. ....	537
Women's, Gender, and Sexuality Studies Undergraduate Minor .....	489	Music Education, Ph.D. ....	538
Women's, Gender, and Sexuality Studies, M.A. ....	489	Conducting, Post-Baccalaureate Certificate .....	538
Women's, Gender, and Sexuality Studies, Post-Baccalaureate Certificate .....	491	Ethnomusicology, Post-Baccalaureate Certificate .....	539
College of Visual and Performing Arts .....	493	Historical Keyboard Performance, Post-Baccalaureate Certificate .....	539
Interdisciplinary Art and Social Practice Undergraduate Minor ....	495	Jazz Studies, Post-Baccalaureate Certificate .....	540

Music Composition, Post-Baccalaureate Certificate .....	540
Music Education, Post-Baccalaureate Certificate .....	541
Music Performance Study, Post-Baccalaureate Certificate ....	541
Music Technology, Post-Baccalaureate Certificate .....	542
Music Theory, Post-Baccalaureate Certificate .....	542
Musicology, Post-Baccalaureate Certificate .....	543
Music Theory Pedagogy, Post-Master's Certificate .....	543
School of Theatre .....	545
Drama, B.A. ....	546
Drama, B.F.A. ....	547
Drama Undergraduate Minor .....	552
Technical Theatre Undergraduate Minor .....	552
Theatre Management Undergraduate Minor .....	552
Drama, M.F.A. ....	553
Joseph M. Bryan School of Business and Economics .....	557
Accounting and Finance .....	560
Accounting, B.S. ....	561
Finance, B.S. ....	562
Accounting Undergraduate Minor .....	564
Accounting, M.S. ....	564
Taxation, Post-Baccalaureate Certificate .....	566
The UNCG MBA Program .....	568
Business Administration, M.B.A. ....	568
Business Foundations, Post-Baccalaureate Certificate .....	570
Business Undergraduate Minor .....	571
Consumer, Apparel, and Retail Studies .....	572
Consumer, Apparel, and Retail Studies, B.S. ....	572
Retailing and Consumer Studies Undergraduate Minor .....	574
Retail Studies, M.S. ....	574
Consumer, Apparel, and Retail Studies, Ph.D. ....	576
Global Fashion Industry Management, Post-Baccalaureate Certificate .....	577
Retail Consumer Data Analytics, Post-Baccalaureate Certificate .....	577
Retail Merchandising Management, Post-Baccalaureate Certificate .....	577
Economics .....	578
Economics, B.A. ....	578
Economics, B.S. ....	580
Economics Undergraduate Minor .....	582
Applied Economics, M.A. ....	582
Economics, Ph.D. ....	584
Economics of Health Analytics, Post-Baccalaureate Certificate .....	585
Quantitative Business Economics, Post-Baccalaureate Certificate .....	586
Information Systems and Supply Chain Management .....	588
Information Systems and Supply Chain Management, B.S. ....	589
Information Technology Undergraduate Minor .....	591
Information Technology and Management, M.S. ....	591
Information Systems, Ph.D. ....	594
Information Systems, Doctoral Minor .....	595
Business Analytics, Post-Baccalaureate Certificate .....	595
Cyber Security, Post-Baccalaureate Certificate .....	596
Enterprise Resource Planning, Post-Baccalaureate Certificate .....	596
Information Technology Development, Post-Baccalaureate Certificate .....	596
Information Technology Management, Post-Baccalaureate Certificate .....	597
Supply Chain Management, Post-Baccalaureate Certificate .....	597
Management .....	598
Business Administration, B.S. ....	599
International Business Studies, B.S. ....	601
International Business, M.S. ....	603
Business Administration, Ph.D. ....	604
Global Leadership and Strategy, Post-Baccalaureate Certificate .....	604
Marketing, Entrepreneurship, and Hospitality and Tourism .....	606
Entrepreneurship, B.S. ....	606
Hospitality and Tourism Management, B.S. ....	609
Marketing, B.S. ....	611
Entrepreneurship Undergraduate Minor .....	613
Professional Selling Undergraduate Minor .....	615
School of Education .....	616
Counseling and Educational Development .....	618
Counseling, M.S. ....	619
Counseling and Counselor Education, Ph.D. ....	621
Addiction Treatment, Post-Baccalaureate Certificate .....	622
Mental Health in Children and Adolescents, Post-Baccalaureate Certificate .....	622
Educational Leadership and Cultural Foundations .....	623
School Administration, M.S.A. ....	623
Educational Leadership, Ed.D. ....	624
Educational Studies, Ph.D. ....	625

Cultural Foundations and Social Justice Education, Post-Master's Certificate .....	626
School Administration, Post-Master's Certificate .....	626
Information, Library, and Research Sciences .....	627
Information Science, B.S. ....	628
Information Analytics Undergraduate Minor .....	629
Information Science Undergraduate Minor .....	629
Educational Research, Measurement, and Evaluation, M.S. ....	629
Instructional Technology and Design, M.S. ....	630
Library and Information Science, M.L.I.S. ....	631
Educational Research, Measurement, and Evaluation, M.S./Ph.D. ....	633
Educational Research, Measurement, and Evaluation, Ph.D. ....	634
Educational Research Methodology, Doctoral Minor .....	634
Educational Assessment, Post-Baccalaureate Certificate .....	635
Instructional Design, Post-Baccalaureate Certificate .....	635
Program Evaluation, Post-Baccalaureate Certificate .....	635
Special Endorsement in Computer Education, Post-Baccalaureate Certificate .....	636
Licensure-Only Programs .....	636
Specialized Education Services .....	638
Interpreting, Deaf Education, and Advocacy Services, B.S. ....	638
Special Education: General Curriculum, B.S. ....	643
Add-On Licensure in Deaf and Hard of Hearing .....	645
Special Education: General Curriculum, M.Ed. ....	646
Special Education, Ph.D. ....	646
Instructional Coaching, Post-Master's Certificate .....	647
Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) .....	648
Teacher Education and Higher Education .....	649
Elementary Education (K-6), B.S. ....	650
Middle Grades Education, B.S. ....	651
The Teaching English to Speakers of Other Languages (TESOL) Undergraduate Minor .....	653
School of Education Initial Licensure Programs .....	653
Master of Arts in Teaching, M.A.T. ....	655
Student Affairs Administration in Higher Education, M.Ed. ....	657
Teacher Education, M.Ed. ....	658
Educational Studies, Ph.D. ....	660
Design and Making in Education, Post-Baccalaureate Certificate .....	662
Student Affairs in Higher Education, Post-Baccalaureate Certificate .....	662
Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate .....	662
Add-On Licensure Programs .....	662
NC TEACH Alternative Licensure Program .....	663
School of Health and Human Sciences .....	667
Communication Sciences and Disorders .....	669
Speech Pathology and Audiology, B.S. ....	669
Speech-Language Pathology, M.A. ....	671
Communication Sciences and Disorders (IDEALL), Ph.D. ....	672
Communication Sciences and Disorders, Ph.D. ....	673
Community and Therapeutic Recreation .....	675
Recreation and Parks Management, B.S. ....	675
Community Recreation Undergraduate Minor .....	679
Community and Therapeutic Recreation Undergraduate Minor .....	679
Event Planning Undergraduate Minor .....	679
Recreational Therapy Undergraduate Minor .....	680
Parks and Recreation Management, M.S. ....	680
Genetic Counseling .....	682
Genetic Counseling Undergraduate Minor .....	682
Genetic Counseling, M.S. ....	682
Human Development and Family Studies .....	685
Early Childhood Development and Education, B.S. ....	686
Human Development and Family Studies, B.S. ....	688
Human Development and Family Studies Undergraduate Minor .....	690
Human Development and Family Studies, M.S. ....	690
Human Development and Family Studies, Ph.D. ....	690
Human Development and Family Studies, Doctoral Minor ....	692
Human Health Sciences, B.S. ....	693
Kinesiology .....	695
Kinesiology, B.S. ....	695
Physical Education, Teacher Education (K-12), B.S. ....	697
Community Youth Sport Development Undergraduate Minor .....	699
Sport Coaching Undergraduate Minor .....	700
Athletic Training, M.S.A.T. ....	700
Kinesiology, M.S. ....	701
Kinesiology, M.S./Ph.D. ....	706
Kinesiology, Ed.D. ....	707
Kinesiology, Ph.D. ....	708
Nutrition .....	710
Nutrition, B.S. ....	710

Nutrition Undergraduate Minor .....	713	Nursing Leadership and Management, Post-Baccalaureate Certificate .....	763
Nutrition, M.S. ....	713	Nursing, Post-Baccalaureate Certificate .....	763
Nutrition, Ph.D. ....	715	Lloyd International Honors College .....	765
Dietetic Internship, Post-Baccalaureate Certificate .....	716	Interdisciplinary Programs .....	770
Peace and Conflict Studies .....	717	Birth Through Kindergarten .....	770
Peace and Conflict Studies, B.A. ....	717	Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. ....	770
Forced Migration and Resettlement Studies Undergraduate Minor .....	718	Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate .....	771
Peace and Conflict Studies Undergraduate Minor .....	718	Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate .....	771
Peace and Conflict Studies, M.A. ....	718	Add-On Licensure in Birth through Kindergarten .....	772
Peace and Conflict Studies, Post-Baccalaureate Certificate .....	719	Health Management .....	772
Public Health Education .....	720	Health Management, M.S.N./M.B.A. ....	772
Public Health Education, B.S. ....	720	Academic Offices .....	774
Community Health Education, M.P.H. ....	723	International Programs Center .....	774
Community Health Education, Ph.D. ....	724	Preprofessional Programs .....	776
Health and Wellness Coaching, Post-Baccalaureate Certificate .....	725	Pre Dentistry, Pre Medicine, Pre Physician Assistant, and Pre Veterinary Medicine .....	776
Workplace Wellness, Post-Baccalaureate Certificate .....	725	Pre Engineering .....	778
Social Work .....	727	Prelaw .....	778
Social Work, B.S.W. ....	728	Pre Occupational Therapy .....	779
Gerontology Undergraduate Minor .....	731	Pre Pharmacy .....	779
Social Work Undergraduate Minor .....	732	Pre Physical Therapy .....	780
Gerontology, M.S. ....	732	Residential Colleges .....	781
Social Work, M.S.W., offered jointly with North Carolina A&T State University .....	732	About UNC Greensboro .....	784
Social Work, Ph.D., offered jointly with North Carolina A&T State University .....	734	Accreditation Status .....	784
Gerontology, Post-Baccalaureate Certificate .....	735	Military-Affiliated Students .....	784
Joint School of Nanoscience and Nanoengineering .....	737	Notices .....	784
Nanoscience, M.S. ....	738	Research and Engagement .....	785
Nanoscience, Ph.D. ....	740	The Graduate School .....	785
Advanced Materials, Post-Baccalaureate Certificate .....	741	Vision and Mission Statement .....	785
Analytical Instrumentation, Post-Baccalaureate Certificate .....	741	Admission to the University .....	786
Medical Science, Post-Baccalaureate Certificate .....	742	Undergraduate Admissions .....	786
Nanoscience, Post-Baccalaureate Certificate .....	742	Graduate Admissions .....	796
Synthetic Biology, Post-Baccalaureate Certificate .....	742	Tuition and Fees .....	800
School of Nursing .....	744	Academic Regulations, Requirements, and Policies .....	801
Nursing, B.S.N. ....	747	Academic Program Terminology .....	802
Nursing, M.S.N. ....	757	Course Prefixes .....	802
Doctor of Nursing Practice, D.N.P. ....	759	Course Type Abbreviations with Instructional Delivery Method .....	803
Nursing, Ph.D. ....	761	Guide To Course Descriptions .....	803
Advanced Practice Foundations, Post-Baccalaureate Certificate .....	762		

Major Description and Program Requirements and Courses	
Explanation .....	805
Graduate Policies .....	807
Undergraduate Policies .....	836
Academic Requirements and Limits for Undergraduates .....	836
Academic Standing at UNC Greensboro .....	836
Classification of Students .....	838
Course Credit Regulations and Limits .....	838
Course Selection .....	839
Course Withdrawal Policy .....	840
Grading .....	840
Academic Renewal .....	841
Chancellor's List .....	841
Credit Hours .....	841
Dean's List .....	841
Final Course Examinations .....	841
Grade Points and Grade Point Averages (GPA) .....	841
Grade Replacement Policy .....	842
Grade Reports .....	842
Grades .....	842
Incomplete Grades .....	843
Retroactive Grade Change .....	843
Undergraduate Final Grade Appeal Policy .....	844
Honors for Second Degree Recipients and Transfer Students .....	844
Majors, Minors, Double Majors and Simultaneous Degrees Policy .....	844
Steps to Graduation .....	845
Withdrawal from the University .....	846
Undergraduate Requirements .....	848
General Education Program .....	848
Student Learning Outcomes Assessments .....	849
Undergraduate Degrees and Degree Requirements .....	849
University Policies .....	850
Academic Integrity Policy .....	850
Auditing Courses .....	850
Class Attendance .....	850
Copyright Compliance Policy .....	851
Discriminatory Conduct Policy .....	851
Drug and Alcohol Policy and Operational Procedures .....	852
Dual Registration as Undergraduate and Graduate .....	852
Immunization Clearance .....	852
Online Sections and Online Programs Policy .....	852
Sexual Harassment (Title IX Policy) .....	852
Student Catalog Year Policy .....	852
Student Code of Conduct .....	853
University Directory Information .....	853
Withdrawal for Students Called to Active Military Duty .....	853
Index .....	855

# PROGRAMS A-Z

## A

- Accounting Undergraduate Minor (p. 564)
- Accounting, B.S. (p. 561)
- Accounting, M.S. (p. 564)
- Add-On Licensure in Birth through Kindergarten (p. 772)
- Add-On Licensure in Deaf and Hard of Hearing (p. 645)
- Add-On Licensure Programs (p. 662)
- Addiction Treatment, Post-Baccalaureate Certificate (p. 622)
- Advanced Materials, Post-Baccalaureate Certificate (p. 741)
- Advanced Practice Foundations, Post-Baccalaureate Certificate (p. 762)
- Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate (p. 411)
- Advocacy and Public Writing Undergraduate Minor (p. 346)
- African American and African Diaspora Studies, B.A. (p. 302)
- African American Studies Undergraduate Minor (p. 303)
- African Studies Undergraduate Minor (p. 435)
- Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) (p. 648)
- American Sign Language Undergraduate Minor (p. 403)
- Analytical Instrumentation, Post-Baccalaureate Certificate (p. 741)
- Anthropology Second Academic Concentration (p. 307)
- Anthropology Undergraduate Minor (p. 307)
- Anthropology, B.A. (p. 305)
- Applied Economics, M.A. (p. 582)
- Applied Geography, M.A. (p. 369)
- Applied Statistics, M.S. (p. 445)
- Archaeology Undergraduate Minor (p. 435)
- Art Education (K-12), B.F.A. (p. 499)
- Art History Undergraduate Minor (p. 504)
- Art History Undergraduate Minor for Artists and Art Museum Studies (p. 504)
- Art Second Academic Concentration (p. 506)
- Art, B.A. (p. 497)
- Arts Administration Undergraduate Minor (p. 504)
- Arts Administration, B.A. (p. 498)
- Asian Studies Undergraduate Minor (p. 435)
- Athletic Training, M.S.A.T. (p. 700)

## B

- Biochemistry, B.S. (p. 317)
- Biology Second Academic Concentration (p. 313)
- Biology Undergraduate Minor (p. 312)
- Biology, B.A. (p. 309)
- Biology, B.S. (p. 310)
- Biology, M.S. (p. 313)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 771)
- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 770)

- Business Administration, B.S. (p. 599)
- Business Administration, M.B.A. (p. 568)
- Business Administration, Ph.D. (p. 604)
- Business Analytics, Post-Baccalaureate Certificate (p. 595)
- Business Foundations, Post-Baccalaureate Certificate (p. 570)
- Business Undergraduate Minor (p. 571)

## C

- Chemistry and Biochemistry, Ph.D. (p. 323)
- Chemistry Undergraduate Minor (p. 322)
- Chemistry, B.A. (p. 318)
- Chemistry, B.S. (p. 320)
- Chemistry, M.S. (p. 322)
- Chinese Undergraduate Minor (p. 403)
- Civic Leadership and Engagement Undergraduate Minor (p. 464)
- Classical Studies Second Academic Concentration (p. 327)
- Classical Studies Undergraduate Minor (p. 327)
- Classical Studies, B.A. (p. 325)
- Climate Justice Undergraduate Minor (p. 364)
- Climate Justice, Post-Baccalaureate Certificate (p. 372)
- Communication Sciences and Disorders (IDEALL), Ph.D. (p. 672)
- Communication Sciences and Disorders, Ph.D. (p. 673)
- Communication Studies Second Academic Concentration (p. 332)
- Communication Studies Undergraduate Minor (p. 331)
- Communication Studies, B.A. (p. 330)
- Communication Studies, M.A. (p. 332)
- Community and Therapeutic Recreation Undergraduate Minor (p. 679)
- Community Health Education, M.P.H. (p. 723)
- Community Health Education, Ph.D. (p. 724)
- Community Recreation Undergraduate Minor (p. 679)
- Community Youth Sport Development Undergraduate Minor (p. 699)
- Computational Mathematics, Ph.D. (p. 449)
- Computer Science Undergraduate Minor (p. 336)
- Computer Science, B.S. (p. 334)
- Computer Science, M.S. (p. 336)
- Computer Science, Ph.D. (p. 338)
- Conducting, Post-Baccalaureate Certificate (p. 538)
- Conservation, Post-Baccalaureate Certificate (p. 373)
- Consumer, Apparel, and Retail Studies, B.S. (p. 572)
- Consumer, Apparel, and Retail Studies, Ph.D. (p. 576)
- Counseling and Counselor Education, Ph.D. (p. 621)
- Counseling, M.S. (p. 619)
- Creative Writing Undergraduate Minor (p. 346)
- Creative Writing, M.F.A. (p. 348)
- Cultural Foundations and Social Justice Education, Post-Master's Certificate (p. 626)
- Cyber Security, Post-Baccalaureate Certificate (p. 596)

## D

- Dance Education, M.A. (p. 514)
- Dance Studies, B.A. (p. 508)

- Dance Undergraduate Minor (p. 512)
- Dance, B.F.A. (p. 510)
- Dance, M.A. (p. 513)
- Dance, M.F.A. (p. 513)
- Dance, Post-Baccalaureate Certificate (p. 515)
- Dance, Post-Baccalaureate Licensure (p. 515)
- Design and Making in Education, Post-Baccalaureate Certificate (p. 662)
- Design Studies Undergraduate Minor (p. 389)
- Dietetic Internship, Post-Baccalaureate Certificate (p. 716)
- Digital Earth Technologies Undergraduate Minor (p. 364)
- Digital Earth Technologies, Post-Baccalaureate Certificate (p. 373)
- Doctor of Nursing Practice, D.N.P. (p. 759)
- Drama Undergraduate Minor (p. 552)
- Drama, B.A. (p. 546)
- Drama, B.F.A. (p. 547)
- Drama, M.F.A. (p. 553)

## E

- Early Childhood Development and Education, B.S. (p. 686)
- Economics of Health Analytics, Post-Baccalaureate Certificate (p. 585)
- Economics Undergraduate Minor (p. 582)
- Economics, B.A. (p. 578)
- Economics, B.S. (p. 580)
- Economics, Ph.D. (p. 584)
- Educational Assessment, Post-Baccalaureate Certificate (p. 635)
- Educational Leadership, Ed.D. (p. 624)
- Educational Research Methodology, Doctoral Minor (p. 634)
- Educational Research, Measurement, and Evaluation, M.S. (p. 629)
- Educational Research, Measurement, and Evaluation, M.S./Ph.D. (p. 633)
- Educational Research, Measurement, and Evaluation, Ph.D. (p. 634)
- Educational Studies, Ph.D. (p. 625)
- Educational Studies, Ph.D. (p. 660)
- eLearning, Post-Baccalaureate Certificate (p. 437)
- Elementary Education (K–6), B.S. (p. 650)
- English Second Academic Concentration (p. 347)
- English Undergraduate Minor (p. 347)
- English, B.A. (p. 341)
- English, M.A. (p. 349)
- English, Ph.D. (p. 351)
- English, Secondary Education, B.A. (p. 343)
- Enterprise Resource Planning, Post-Baccalaureate Certificate (p. 596)
- Entrepreneurship Undergraduate Minor (p. 613)
- Entrepreneurship, B.S. (p. 606)
- Environment and Sustainability, B.A. (p. 354)
- Environment Undergraduate Minor (p. 364)
- Environmental Health Science, Ph.D. (p. 314)
- Environmental Humanities, Post-Baccalaureate Certificate (p. 374)
- Ethnomusicology, Post-Baccalaureate Certificate (p. 539)

- European Studies Undergraduate Minor (p. 436)
- Event Planning Undergraduate Minor (p. 679)

## F

- Finance, B.S. (p. 562)
- Forced Migration and Resettlement Studies Undergraduate Minor (p. 718)
- French and Francophone Studies Undergraduate Minor (p. 403)

## G

- Genetic Counseling Undergraduate Minor (p. 682)
- Genetic Counseling, M.S. (p. 682)
- Geography Second Academic Concentration (p. 368)
- Geography Undergraduate Minor (p. 366)
- Geography, B.A. (p. 358)
- Geography, B.S. (p. 361)
- Geography, Ph.D. (p. 372)
- Geography, Secondary Education, B.A. (p. 360)
- German Undergraduate Minor (p. 404)
- Gerontology Undergraduate Minor (p. 731)
- Gerontology, M.S. (p. 732)
- Gerontology, Post-Baccalaureate Certificate (p. 735)
- Global Fashion Industry Management, Post-Baccalaureate Certificate (p. 577)
- Global Leadership and Strategy, Post-Baccalaureate Certificate (p. 604)
- Global Societies and Governance, Post-Baccalaureate Certificate (p. 374)
- Global Studies, Post-Baccalaureate Certificate (p. 438)

## H

- Health and Wellness Coaching, Post-Baccalaureate Certificate (p. 725)
- Health Management, M.S.N./M.B.A. (p. 772)
- Historic Preservation Undergraduate Minor (p. 390)
- Historic Preservation, Post-Baccalaureate Certificate (p. 392)
- Historical Keyboard Performance, Post-Baccalaureate Certificate (p. 539)
- History Second Academic Concentration (p. 382)
- History Undergraduate Minor (p. 382)
- History, B.A. (p. 376)
- History, M.A. (p. 382)
- History, Ph.D. (p. 384)
- History, Secondary Education, B.A. (p. 379)
- Hospitality and Tourism Management, B.S. (p. 609)
- Human Development and Family Studies Undergraduate Minor (p. 690)
- Human Development and Family Studies, B.S. (p. 688)
- Human Development and Family Studies, Doctoral Minor (p. 692)
- Human Development and Family Studies, M.S. (p. 690)
- Human Development and Family Studies, Ph.D. (p. 690)
- Human Health Sciences, B.S. (p. 693)

**I**

- Informatics and Analytics, M.S. (p. 386)
- Information Analytics Undergraduate Minor (p. 629)
- Information Science Undergraduate Minor (p. 629)
- Information Science, B.S. (p. 628)
- Information Systems and Supply Chain Management, B.S. (p. 589)
- Information Systems, Doctoral Minor (p. 595)
- Information Systems, Ph.D. (p. 594)
- Information Technology and Management, M.S. (p. 591)
- Information Technology Development, Post-Baccalaureate Certificate (p. 596)
- Information Technology Management, Post-Baccalaureate Certificate (p. 597)
- Information Technology Undergraduate Minor (p. 591)
- Instructional Coaching, Post-Master's Certificate (p. 647)
- Instructional Design, Post-Baccalaureate Certificate (p. 635)
- Instructional Technology and Design, M.S. (p. 630)
- Interdisciplinary Art and Social Practice Undergraduate Minor (p. 495)
- Interior Architecture, B.F.A. (p. 388)
- Interior Architecture, M.F.A. (p. 390)
- International and Global Studies Undergraduate Minor (p. 436)
- International Business Studies, B.S. (p. 601)
- International Business, M.S. (p. 603)
- Interpreting, Deaf Education, and Advocacy Services, B.S. (p. 638)
- Islamic Studies Undergraduate Minor (p. 480)

**J**

- Jazz Studies, Post-Baccalaureate Certificate (p. 540)
- Jewish Studies Undergraduate Minor (p. 480)

**K**

- Kinesiology, B.S. (p. 695)
- Kinesiology, Ed.D. (p. 707)
- Kinesiology, M.S. (p. 701)
- Kinesiology, M.S./Ph.D. (p. 706)
- Kinesiology, Ph.D. (p. 708)

**L**

- Languages, Literatures, and Cultures Second Academic Concentration (p. 404)
- Languages, Literatures, and Cultures, B.A. (p. 394)
- Languages, Literatures, and Cultures, M.A. (p. 407)
- Latin American and Caribbean Studies Undergraduate Minor (p. 436)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 771)
- Liberal and Interdisciplinary Studies, B.A. (p. 417)
- Liberal and Interdisciplinary Studies, M.A. (p. 437)
- Library and Information Science, M.L.I.S. (p. 631)
- Licensure-Only Programs (p. 636)

**M**

- Marketing, B.S. (p. 611)
- Master of Arts in Teaching, M.A.T. (p. 409)
- Master of Arts in Teaching, M.A.T. (p. 655)
- Mathematics Second Academic Concentration (p. 444)
- Mathematics Undergraduate Minor (p. 444)
- Mathematics, B.A. (p. 439)
- Mathematics, B.S. (p. 442)
- Mathematics, M.A. (p. 446)
- Media Studies Undergraduate Minor (p. 452)
- Media Studies, B.A. (p. 451)
- Medical Humanities Undergraduate Minor (p. 455)
- Medical Science, Post-Baccalaureate Certificate (p. 742)
- Mental Health in Children and Adolescents, Post-Baccalaureate Certificate (p. 622)
- Middle Grades Education, B.S. (p. 651)
- Music Composition, M.M. (p. 531)
- Music Composition, Post-Baccalaureate Certificate (p. 540)
- Music Education, B.M. (p. 520)
- Music Education, M.M. (p. 531)
- Music Education, Ph.D. (p. 538)
- Music Education, Post-Baccalaureate Certificate (p. 541)
- Music Performance Study, Post-Baccalaureate Certificate (p. 541)
- Music Technology, Post-Baccalaureate Certificate (p. 542)
- Music Theory Pedagogy, Post-Master's Certificate (p. 543)
- Music Theory, M.M. (p. 532)
- Music Theory, Post-Baccalaureate Certificate (p. 542)
- Music Undergraduate Minor (p. 531)
- Music, B.A. (p. 519)
- Music, D.M.A. (p. 537)
- Musicology, Post-Baccalaureate Certificate (p. 543)

**N**

- Nanoscience, M.S. (p. 738)
- Nanoscience, Ph.D. (p. 740)
- Nanoscience, Post-Baccalaureate Certificate (p. 742)
- NC TEACH Alternative Licensure Program (p. 663)
- New Media and Design Undergraduate Minor (p. 504)
- Nonprofit Management, Post-Baccalaureate Certificate (p. 466)
- Nursing Leadership and Management, Post-Baccalaureate Certificate (p. 763)
- Nursing, B.S.N. (p. 747)
- Nursing, M.S.N. (p. 757)
- Nursing, Ph.D. (p. 761)
- Nursing, Post-Baccalaureate Certificate (p. 763)
- Nutrition Undergraduate Minor (p. 713)
- Nutrition, B.S. (p. 710)
- Nutrition, M.S. (p. 713)
- Nutrition, Ph.D. (p. 715)

**P**

- Painting Undergraduate Minor (p. 505)
- Parks and Recreation Management, M.S. (p. 680)
- Peace and Conflict Studies Undergraduate Minor (p. 718)
- Peace and Conflict Studies, B.A. (p. 717)
- Peace and Conflict Studies, M.A. (p. 718)
- Peace and Conflict Studies, Post-Baccalaureate Certificate (p. 719)
- Performance, B.M. (p. 523)
- Performance, M.M. (p. 532)
- Philosophical Ethics Undergraduate Minor (p. 456)
- Philosophy Second Academic Concentration (p. 456)
- Philosophy Undergraduate Minor (p. 456)
- Philosophy, B.A. (p. 454)
- Photography Undergraduate Minor (p. 505)
- Physics and Astronomy Second Academic Concentration (p. 459)
- Physics Undergraduate Minor (p. 459)
- Physics, B.A. (p. 457)
- Physics, B.S. (p. 458)
- Political Science Second Academic Concentration (p. 464)
- Political Science Undergraduate Minor (p. 464)
- Political Science, B.A. (p. 461)
- Printmaking and Drawing Undergraduate Minor (p. 505)
- Professional Selling Undergraduate Minor (p. 615)
- Professional Studies Online, B.S. (p. 434)
- Program Evaluation, Post-Baccalaureate Certificate (p. 635)
- Psychology Second Academic Concentration (p. 473)
- Psychology Undergraduate Minor (p. 473)
- Psychology, B.A. (p. 471)
- Psychology, B.S. (p. 472)
- Psychology, M.A. (p. 474)
- Psychology, M.A./Ph.D. (p. 474)
- Psychology, Ph.D. (p. 476)
- Public Affairs, M.P.A. (p. 464)
- Public Health Education, B.S. (p. 720)

**Q**

- Quantitative Business Economics, Post-Baccalaureate Certificate (p. 586)

**R**

- Radio Undergraduate Minor (p. 453)
- Recreation and Parks Management, B.S. (p. 675)
- Recreational Therapy Undergraduate Minor (p. 680)
- Religious Studies Second Academic Concentration (p. 481)
- Religious Studies Undergraduate Minor (p. 480)
- Religious Studies, B.A. (p. 478)
- Retail Consumer Data Analytics, Post-Baccalaureate Certificate (p. 577)
- Retail Merchandising Management, Post-Baccalaureate Certificate (p. 577)
- Retail Studies, M.S. (p. 574)
- Retailing and Consumer Studies Undergraduate Minor (p. 574)

- Russian Studies Undergraduate Minor (p. 436)
- Russian Undergraduate Minor (p. 404)

**S**

- School Administration, M.S.A. (p. 623)
- School Administration, Post-Master's Certificate (p. 626)
- Sculpture and Ceramics Undergraduate Minor (p. 506)
- Social Work Undergraduate Minor (p. 732)
- Social Work, B.S.W. (p. 728)
- Social Work, M.S.W., offered jointly with North Carolina A&T State University (p. 732)
- Social Work, Ph.D., offered jointly with North Carolina A&T State University (p. 734)
- Sociology Second Academic Concentration (p. 485)
- Sociology Undergraduate Minor (p. 485)
- Sociology, B.A. (p. 483)
- Sociology, M.A. (p. 485)
- Spanish Undergraduate Minor (p. 404)
- Spanish, B.A. (p. 401)
- Special Education, Ph.D. (p. 646)
- Special Education: General Curriculum, B.S. (p. 643)
- Special Education: General Curriculum, M.Ed. (p. 646)
- Special Endorsement in Computer Education, Post-Baccalaureate Certificate (p. 636)
- Speech Pathology and Audiology, B.S. (p. 669)
- Speech-Language Pathology, M.A. (p. 671)
- Sport Coaching Undergraduate Minor (p. 700)
- Statistics Undergraduate Minor (p. 444)
- Statistics, Doctoral Minor (p. 450)
- Statistics, Post-Baccalaureate Certificate (p. 450)
- Student Affairs Administration in Higher Education, M.Ed. (p. 657)
- Student Affairs in Higher Education, Post-Baccalaureate Certificate (p. 662)
- Studio Art Undergraduate Minor (p. 506)
- Studio Art, B.F.A. (p. 501)
- Studio Arts, M.F.A. (p. 506)
- Supply Chain Management, Post-Baccalaureate Certificate (p. 597)
- Sustainability and Environment, M.S. (p. 371)
- Sustainability Undergraduate Minor (p. 367)
- Sustainability, Post-Baccalaureate Certificate (p. 375)
- Synthetic Biology, Post-Baccalaureate Certificate (p. 742)

**T**

- Taxation, Post-Baccalaureate Certificate (p. 566)
- Teacher Education, M.Ed. (p. 410)
- Teacher Education, M.Ed. (p. 658)
- Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate (p. 662)
- Teaching Sociology, Post-Baccalaureate Certificate (p. 486)
- Technical Theatre Undergraduate Minor (p. 552)
- The Teaching English to Speakers of Other Languages (TESOL) Undergraduate Minor (p. 653)
- Theatre Management Undergraduate Minor (p. 552)

## U

- Urban and Economic Development, Post-Baccalaureate Certificate (p. 467)

## V

- Videogaming and Esports Studies Undergraduate Minor (p. 481)

## W

- Women's, Gender, and Sexuality Studies Undergraduate Minor (p. 489)
- Women's, Gender, and Sexuality Studies, B.A. (p. 487)
- Women's, Gender, and Sexuality Studies, M.A. (p. 489)
- Women's, Gender, and Sexuality Studies, Post-Baccalaureate Certificate (p. 491)
- Workplace Wellness, Post-Baccalaureate Certificate (p. 725)

# COURSES

Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings: [https://spartancentral.uncg.edu/registration-degree-planning/course-schedules/](https://spartancentral.uncg.edu/registration-degree-planning/course-schedules) (<https://spartancentral.uncg.edu/registration-degree-planning/course-schedules/>)

## A

- Academic Recovery Seminar (ARS) (p. 18)
- Accounting (ACC) (p. 18)
- Advanced Data Analytics (IAA) (p. 20)
- African American and African Diaspora Studies (ADS) (p. 20)
- American Sign Language (ASL) (p. 22)
- Anthropology (ATY) (p. 22)
- Apparel Product Design (APD) (p. 26)
- Arabic (ARB) (p. 26)
- Archaeology (ARC) (p. 27)
- Art (ART) (p. 27)
- Art Education (ARE) (p. 31)
- Art History (ARH) (p. 31)
- Arts Administration (AAD) (p. 34)
- Astronomy (AST) (p. 35)

## B

- Bioinformatics (IAB) (p. 35)
- Biology (BIO) (p. 35)
- Business Administration (BUS) (p. 43)

## C

- Chemistry and Biochemistry (CHE) (p. 46)
- Chinese (CHI) (p. 51)
- Classical Civilization (CCI) (p. 52)
- Communication Sciences and Disorders (CSD) (p. 54)
- Communication Studies (CST) (p. 57)
- Community and Therapeutic Recreation (CTR) (p. 60)
- Comprehensive Transition and Postsecondary Education (CTP) (p. 62)
- Computational Analytics (IAC) (p. 63)
- Computer Science (CSC) (p. 63)
- Consortium (CNS) (p. 70)
- Consumer, Apparel, and Retail Studies (CRS) (p. 70)
- Counseling and Educational Development (CED) (p. 72)
- Cultural Analytics (IAL) (p. 76)

## D

- Dance (DCE) (p. 77)

## E

- Economics (ECO) (p. 83)
- Educational Leadership and Cultural Foundations (ELC) (p. 87)
- Educational Research Methodology (ERM) (p. 90)

- English (ENG) (p. 94)
- Entrepreneurship (ENT) (p. 102)

## F

- Finance (FIN) (p. 105)
- First Year Experience (FYE) (p. 106)
- Foundations for Learning (FFL) (p. 106)
- French (FRE) (p. 106)
- Freshman Seminars Program (FMS) (p. 109)

## G

- Genetic Counseling (GEN) (p. 110)
- Geography, Environment, and Sustainability (GES) (p. 111)
- Geospatial Analytics (IAG) (p. 119)
- German (GER) (p. 119)
- Gerontology (GRO) (p. 121)
- Greek (GRK) (p. 122)
- Grogan College (GRC) (p. 122)

## H

- Health Informatics (IAH) (p. 122)
- Higher Education (HED) (p. 122)
- History (HIS) (p. 124)
- Honors Programs (HSS) (p. 132)
- Hospitality and Tourism Management (HTM) (p. 136)
- Human Development and Family Studies (HDF) (p. 137)
- Humanities (BLS) (p. 141)

## I

- Informatics and Analytics Foundations (IAF) (p. 143)
- Information Science (IST) (p. 143)
- Information Systems and Operations Management (ISM) (p. 144)
- Integrated Professional Studies (IPS) (p. 147)
- Integrated Studies Lab (ISL) (p. 148)
- Interior Architecture (IAR) (p. 148)
- Interlink (ITL) (p. 152)
- International and Global Studies (IGS) (p. 152)
- International Student Exchange (ISE) (p. 152)
- Italian (ITA) (p. 152)

## J

- Japanese Studies (JNS) (p. 153)

## K

- Kinesiology (KIN) (p. 154)
- Korean (KOR) (p. 162)

## L

- Languages, Literatures, and Cultures (LLC) (p. 163)
- Latin (LAT) (p. 164)
- Library and Information Science (LIS) (p. 165)

**M**

- Management (MGT) (p. 168)
- Marketing (MKT) (p. 169)
- Master of Applied Arts and Sciences (MAS) (p. 171)
- Master of Business Administration (MBA) (p. 172)
- Mathematics (MAT) (p. 173)
- Media Studies (MST) (p. 179)
- Middle College (MCP) (p. 182)
- Military Science (MSC) (p. 183)
- Music Education (MUE) (p. 183)
- Music Ensemble (ENS) (p. 186)
- Music Performance (MUP) (p. 190)
- Music Studies (MUS) (p. 197)

**N**

- Nanoscience (NAN) (p. 201)
- Nursing (NUR) (p. 206)
- Nutrition (NTR) (p. 216)

**O**

- Online NC Interinstitutional (ONC) (p. 220)

**P**

- Peace and Conflict Studies (PCS) (p. 220)
- Philosophy (PHI) (p. 223)
- Physics (PHY) (p. 226)
- Political Science (PSC) (p. 229)
- Psychology (PSY) (p. 234)
- Public Health (HEA) (p. 238)

**R**

- Religious Studies (REL) (p. 244)
- Residential College (RCO) (p. 248)
- Retailing and Consumer Studies (RCS) (p. 251)
- Russian (RUS) (p. 251)

**S**

- School of Health and Human Sciences (HHS) (p. 252)
- Social Sciences (SSC) (p. 254)
- Social Work (SWK) (p. 254)
- Sociology (SOC) (p. 258)
- Spanish (SPA) (p. 261)
- Specialized Education Services (SES) (p. 265)
- Statistics (STA) (p. 272)
- Strong College (STR) (p. 275)
- Supply Chain Management (SCM) (p. 275)

**T**

- Teacher Education (TED) (p. 276)
- Theatre (THR) (p. 283)

**U**

- UNC Exchange (UNCX) (p. 293)
- University Libraries (LIB) (p. 293)

**V**

- Visual and Performing Arts (VPA) (p. 293)

**W**

- Western Civilization (WCV) (p. 294)
- Women's, Gender, and Sexuality Studies (WGS) (p. 294)

## **Academic Recovery Seminar (ARS)**

**ARS 100 Reclaim, Regain, and Recover 0**

A self-guided online course to support students on academic probation in developing and applying constructive academic recovery behaviors and skills with the goal of restoring academic good standing at UNCG.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Pass/Not Pass (P/NP).

**ARS 120 Academic Connections in Education 0**

Students returning from academic suspension will create meaningful connections with UNCG faculty and staff; develop an understanding of university academic policy; identify academic and personal goals; and generate solutions for academic challenges.

**Prerequisites:** Written permission required. Restricted to students returning to or continuing at UNCG after academic suspension;

**Notes:** Grade: Pass/Not Pass (P/NP).

**ARS 140 Academic Coaching in Transitions 0**

Students returning from academic dismissal will identify and apply personal strengths toward utilizing University policies and resources, building academic support networks, and developing an individualized plan for academic recovery.

**Prerequisites:** Written permission required. Restricted to students returning to or continuing at UNCG after academic dismissal;

**Notes:** Grade: Pass/Not Pass (P/NP).

## **Accounting (ACC)**

**ACC 201 Financial Accounting 3**

Introduction to external financial statements of organizations, emphasizing the use of accounting information in making investment and other decisions. Addresses ethical considerations and role of financial reporting in society.

**Prerequisites:** ISM 110 and any one of the following: MAT 115, MAT 118, MAT 120, MAT 150, MAT 151, MAT 190, MAT 191, MAT 196, MAT 292, MAT 296.

**ACC 202 Managerial Accounting 3**

Introduction to internal accounting and reporting of organizations, emphasizing the use of accounting information used by management and other decision makers within the organization.

**Prerequisites:** ACC 201 or ACC 218.

**ACC 218 Financial Statement Preparation and Disclosures 3**

First financial accounting course for students desiring to pursue upper division accounting courses. Includes coverage of basic financial statement preparation, time value of money concepts, and techniques for accounting valuations.

**Prerequisites:** ISM 110 and any one of the following: MAT 115, MAT 120, MAT 150, MAT 151, MAT 191, MAT 292.

**Notes:** Required entry course for all Accounting and Finance majors.

**ACC 318 Intermediate Accounting I 3**

Focuses on the conceptual framework underlying financial reporting by business enterprises, the processes by which authoritative accounting guidelines are promulgated, and the preparation, presentation, interpretation, and use of financial statements.

**Prerequisites:** Grade of B- or better in ACC 201 and ACC 202. Grade of C or better in ECO 201.

**ACC 319 Intermediate Accounting II 3**

The second course in the two-course intermediate accounting sequence. Continues the examination of the preparation, presentation, interpretation, and use of financial statements.

**Prerequisites:** Grade of C or better in ACC 318.

**ACC 325 Accounting Transaction Processing Systems 3**

Designed to provide an understanding of a variety of accounting subsystems, systems analysis, and design issues reinforced through case studies.

**Prerequisites:** Grade of C or better in ACC 318.

**ACC 330 Cost Accounting 3**

Costs and cost accounting principles, costing systems, cost determination procedures; control and analytical practices for managerial decision-making.

**Prerequisites:** Grade of B- in ACC 202.

**ACC 350 Internship in Accounting 3**

This course provides students with an opportunity to apply accounting knowledge in a business environment and to gain a better understanding of the accounting profession.

**Prerequisites:** Grade of C or better in ACC 318. Accounting major; permission of internship coordinator;

**Notes:** Grade: Pass/Not Pass (P/NP).

**ACC 420 Federal Tax Concepts 3**

Tax structure and tax principles. Accounting principles and procedures related to tax accounting. Application of tax and accounting principles to specific problems.

**Prerequisites:** Grade of C or better in ACC 318 or FIN 410.

**ACC 440 Auditing Concepts 3**

Concepts underlying audit process, procedures used in external auditing, statistical application, preparation of audit programs, and reports. Use of audit software to conduct control risk assessment and substantive tests.

**Prerequisites:** Grade of C or better in ACC 319 and ACC 325.

**ACC 461 Governmental and Nonprofit Accounting 3**

This course will introduce students to accounting and financial reporting for nonprofit organizations and governmental entities.

**Prerequisites:** ACC 319.

**ACC 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** 3.30 GPA in the major, 12 s.h. in the major

**Notes:** May be repeated for credit if the topic of study changes.

**ACC 499 Independent Research in Accounting 1-3**

Individual study of an issue or problem(s) in accounting of particular interest to the student. Student must arrange time and course requirements with instructor prior to registration.

**Prerequisites:** Accounting major, senior standing, and permission of Department Head.

**Notes:** May be repeated for credit with approval of Department Head.

**ACC 518 Intermediate Accounting I 3**

Focuses on the conceptual framework underlying financial reporting by business enterprises, the processes by which authoritative accounting guidelines are promulgated, and the preparation, presentation, interpretation, and use of financial statements.

**ACC 519 Intermediate Accounting II 3**

The second course in the two-course intermediate accounting sequence. Continues the examination of the preparation, presentation, interpretation, and use of financial statements.

**ACC 525 Accounting Transaction Processing Systems 3**

Designed to provide an understanding of a variety of accounting subsystems, systems analysis, and design issues reinforced through case studies.

**ACC 531 Cost Accounting 3**

Costs and cost accounting principles, costing systems, cost determination procedures, control and analytical practices for managerial decision-making.

**ACC 561 Governmental and Nonprofit Accounting 3**

This course will introduce students to accounting and financial reporting for nonprofit organizations and governmental entities.

**Prerequisites:** ACC 519 or grade of C or higher in intermediate financial accounting II course.

**ACC 602 Federal Tax Concepts 3**

Tax structure and tax principles. Accounting principles and procedures related to tax accounting. Application of tax and accounting principles to specific problems.

**Prerequisites:** ACC 518.

**ACC 604 Auditing Concepts 3**

Concepts underlying audit process, procedures used in external auditing, statistical application, preparation of audit programs, and reports. Use of audit software to conduct control risk assessment and substantive tests.

**Prerequisites:** ACC 519, ACC 525.

**ACC 613 Directed Studies in Accounting 1-3**

Individual study of an issue or problem of interest. Student must arrange topic and course requirements with instructor prior to registration.

**Prerequisites:** 12 hours of graduate level accounting courses or permission of instructor.

**ACC 621 Accounting Internship 3**

Combined academic and work components allow students to gain experience in the professional field of accounting. Course supervised by a graduate faculty member and appropriate personnel of the approved organization.

**Prerequisites:** ACC 518 or grade of C or higher in intermediate financial accounting I course and permission of instructor.

**ACC 630 Seminar in Contemporary Accounting Issues 3**

Analysis, research, and presentation of current topics and issues relevant to professional accountants.

**Prerequisites:** ACC 519 or grade of C or higher in ACC 319.

**ACC 631 Advanced Auditing 3**

Ethics, reporting, law, statistics, and audit software; directed towards professional external and internal auditing.

**Prerequisites:** ACC 604 or grade of C or higher in ACC 440.

**ACC 632 Principles of Fraud Examination 3**

Examines the nature of occupational fraud and abuse in organizations. Students will learn how and why occupational fraud is committed, how fraud can be detected, how fraud can be deterred, and how to proceed if fraud is suspected. Emphasis is placed on asset misappropriation schemes, corruption, and financial statement fraud.

**Prerequisites:** ACC 604 or grade of C or higher in auditing concepts course.

**ACC 638 Information Technology Auditing and Accounting Data Analytics 3**

Theory and practice of information technology auditing, computer based systems controls, data analytics models and methods focusing on accounting applications.

**Prerequisites:** ACC 604 or grade of C or higher in ACC 440.

**ACC 642 Specialized Accounting Entities 3**

Theory and practice associated with business combinations, consolidated financial statements, partnerships, international operations, bankruptcy and other accounting topics related to specialized accounting entities.

**Prerequisites:** ACC 519 or grade of C or higher in ACC 319.

**ACC 646 Advanced Study in Business Environment and Concepts 1**

An in-depth study and review of the underlying reasons for, and accounting implications of, business transactions. This course is only offered online.

**Prerequisites:** ACC 531 or grade of C or higher in cost accounting course and permission of instructor or Program Director.

**ACC 647 Advanced Study in Financial Accounting and Reporting 1**

An in-depth study and review of the accounting and reporting represented on the four major financial statements.

**Prerequisites:** ACC 642 and permission of instructor or Program Director.

**Notes:** This course is only offered online.

**ACC 648 Guided Study in Taxation and Business Law 1**

An in-depth study and review of specialized current topics in tax and business law.

**Prerequisites:** ACC 651 and permission of instructor or Program Director.

**ACC 649 Advanced Study in Auditing and Attestation 1**

This course provides an in-depth study and review of advanced specialized current topics in auditing and attestation.

**Prerequisites:** ACC 631 or ACC 638 and permission of instructor or Program Director.

**Notes:** This course is only offered online.

**ACC 651 Introduction to Business Entity Taxation 3**

The principles of entity taxation associated with corporations, S corporations, and partnerships. Focuses on a life-cycle approach of tax accounting for these tax entities recognized in the U.S., focusing on issues such as formation, operation, and distributions of corporations.

**Prerequisites:** ACC 602 or grade of C or higher in ACC 420.

**ACC 652 Taxation of Estates, Gifts and Trusts 3**

Principles and procedures involved in determining federal estate tax; tax planning using gifts and trusts.

**Prerequisites:** ACC 602 or grade of C or higher in ACC 420.

**ACC 655 Taxation of Corporations and Shareholders 3**

Federal taxation of business transactions affecting corporations and shareholders.

**Prerequisites:** ACC 651 or permission of instructor or Program Director.

**ACC 656 Taxation of Flow-Through Business Entities 3**

Federal taxation of business transactions affecting flow-through business entities, including partnerships, S corporations, limited liability companies and their owners.

**Prerequisites:** ACC 651 or permission of instructor or Program Director.

**ACC 688 Advanced Business Law 3**

Explores legal issues in contract and sales law, negotiable instruments, agency, and business associations and at the same time considers ethical and managerial issues involved when these legal issues arise.

**Prerequisites:** MGT 330 or permission of Program Director.

## **Advanced Data Analytics (IAA)**

**IAA 621 Statistical Computing 3**

Statistical methods requiring significant computing or specialized software. Simulation, randomization, bootstrap, Monte Carlo techniques; numerical optimization. Extensive computer programming involved. This course does not cover the use of statistical software packages.

**IAA 622 Complex Data Analysis 3**

Methods for modeling and understanding complex data. Topics include linear regression models for sparse and high dimensional data sets, nonlinear models, tree-based methods, and clustering methods.

**Prerequisites:** Permission of instructor.

**Notes:** Same as STA 622.

**IAA 623 Categorical Data Analysis 3**

Methods for analyzing dichotomous, multinomial and ordinal responses. Measures of association; inference for proportions and contingency tables; generalized linear models including logistic regression and loglinear models.

**Prerequisites:** STA 602 or permission of instructor.

**IAA 689 Capstone Project in Advanced Data Analytics 3**

Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.

## **African American and African Diaspora Studies (ADS)**

**ADS 200 African American Art History 3**

The development of African American art placed within the context of mainstream American art and the history of the blacks in this country.

**MAC:** MAC CritThink Hum and Fine Art

**ADS 201 Introduction to African American Studies 3**

Introduction to African American culture through a historical and social perspective.

**MAC:** MAC CritThink Soc and BehavSci

**ADS 210 Blacks in American Society: Social, Economic, and Political Perspectives 3**

Social, political, economic experience of blacks in the United States. Topics include the black family, Civil Rights Movement, black politicians, and blacks in the labor market.

**MAC:** MAC Diversity and Equity

**ADS 260 Understanding Race 3**

Race is among the most fundamental, yet profoundly misunderstood, aspects of socioculture. This course seeks to provide a comprehensive look at race, especially in its sociopolitical and biocultural dimensions.

**MAC:** MAC Diversity and Equity

**ADS 305 Special Topics in African American Studies 3**

An in-depth study of a selected topic or topics in African American Studies involving directed reading and research.

**Notes:** May be repeated for credit when topic varies.

**ADS 306 Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas 3**

Special topics course explores the histories, cultures, politics, and societies of the African Diaspora across the Indian Ocean and Atlantic worlds.

**Notes:** May be repeated once for credit when topic varies.

**ADS 310 The Portrayal of African Americans in Film 3**

An examination of African American film roles as a reflector of America's perception of black character and behavior. Various film genres will be considered for insight into movie portrayals as social commentary.

**ADS 315 Theories and Paradigms in African American Studies 3**

A concentrated examination of the theories or systematic explanations of the social, cultural, and historical phenomena and/or experiences of African Americans.

**Prerequisites:** ADS 201 or ADS 210, or permission of instructor.

**ADS 320 The African American Athlete 3**

An examination of the lives and careers of African American athletes and their struggles to gain acceptance in both competitive and social settings.

**ADS 325 Black Women in the U.S. 3**

Explores the historical experiences of women of African descent in America through an evaluation of relevant literature, film, and/or music.

**Prerequisites:** ADS 201 and ADS 210 recommended.

**ADS 330 Black Music as Cultural History: 1960-1980 3**

African-American urban music from the 1960s and 1970s as cultural history and as a reflector of social, political, and economic movements of the era.

**ADS 340 Africana Research Methods 3**

This course serves as an introduction to interdisciplinary research methods and addresses specific concerns related to research in BIPOC communities.

**ADS 350 Contemporary Africa 3**

This course will serve as a general introduction to the contemporary social, economic and political facets of the African continent and its people post-independence. Students will gain theoretical perspectives for the critical understanding of the continent and its peoples and highlights the interconnections between Africa and the world at large.

**ADS 351 Race and Gender in Black Performance 3**

Focus on the history of a relation between race and gender in Black performance as it relates to the enactment of and resistance to neocolonial, patriarchal control and captivity.

**ADS 356 The Making of the African Diaspora 3**

Explores the making of the African Diaspora in the Atlantic and Indian Ocean worlds through a combination of historical and ethnographic studies.

**ADS 376 Africana Literature 3**

Critical survey of literature written by people of Africa and the Diaspora and their cultures, ideas, and experiences from the eighteenth century to the present.

**CIC:** CIC College Writing

**Prerequisites:** Sophomore, junior, or senior standing .

**ADS 400 Independent Study 1-3**

Intensive independent study on special topics related to the African American experience.

**Prerequisites:** Permission of Director of African American Studies and faculty mentor.

**ADS 410 Seminar in African American Studies 3**

Capstone seminar on issues in African American Studies and their significance to American society and the world.

**CIC:** CIC College Writing

**Prerequisites:** ADS 201 and ADS 210. junior or senior status; AADS major or minor status.

**ADS 454 Independent Black Politics 19th Century 3**

The origins, rise, and collapse of Black Populism, the independent black political movement between Reconstruction and the consolidation of Jim Crow, in the South.

**ADS 492 Internship in African American Studies 1-6**

Practical experience at sites serving populations of people of African descent. Two semester meetings with program director. Students must complete 8 to 15 hours per week at site.

**Prerequisites:** ADS 201 and ADS 210. ENG 374 or ENG 376; HIS 301 or HIS 302 or HIS 389; AADS major or minor. For AAD minors: ADS 201, ADS 210, and two AAD-related courses;

**Notes:** Interns must show 40 on-site hours each semester for each s.h. of credit sought. may be repeated a maximum of 3 times for course credit, but may not exceed 6 credit hours in total.

**ADS 600 Independent Study 3**

A supervised research project related to African American Studies at the graduate level.

**ADS 610 African American Theoretical Perspectives 3**

Historical and theoretical approaches to analyzing race, gender, and class as related to African Americans.

**ADS 650 Topics in African American Gender Studies 3**

Constructed gender identity of African Americans and intersections of race, gender, class, and sexuality. Politics of African American gender construction, historical notions of gender performance, and aspects of black sexuality.

**ADS 652 Topics in Black Performance Studies 3**

Implications of historical displays of Black people in relation to contemporary black performance, particularly as it involves a shift in bodies and terms.

**ADS 653 Perspectives on the African American Experience 3**

Investigates selected individuals, events, and social and cultural movements that have fundamentally shaped the course of African American advancement in mainstream society.

# American Sign Language (ASL)

## **ASL 101 Elementary American Sign Language I 3**

Introduction to American Sign Language and the culture of the American Deaf Community. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

## **ASL 102 Elementary American Sign Language II 3**

Continued introduction to American Sign Language and the culture of the American Deaf Community. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

**MAC:** MAC Diversity and Equity

**Prerequisites:** ASL 101 or SES 101 or permission of instructor. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

## **ASL 201 Directed Study in Applied Beginning American Sign Language 3**

Intensive practice in applied beginning ASL. Active use of communicative language skills. Review and further study of basic ASL structures, vocabulary and study of cultural topics.

**Prerequisites:** Written permission.

**Notes:** This course is only open for transfer students with credit for ASL 101 and ASL 102 or institutional credit that is at least 5 years old or students with departmental permission.

## **ASL 203 Intermediate American Sign Language I 3**

Development of intermediate American Sign Language and the continued study of American Deaf Community culture. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

**MAC:** MAC Diversity and Equity

**Prerequisites:** ASL 102 or SES 102 or permission of instructor. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

## **ASL 204 Intermediate American Sign Language II 3**

Further development of intermediate American Sign Language and the continued study of American Deaf Community culture. Emphasis on active comprehension and expression in culturally appropriate signs, and on applied vocabulary.

**MAC:** MAC Diversity and Equity

**Prerequisites:** ASL 203 or SES 203 or permission of instructor or placement test.

**Notes:** Community lab hours required. Students with previous knowledge of ASL are required to take the placement test. Students who are native or heritage ASL signers MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

## **ASL 245 Introduction to the Deaf Community 3**

Introduction to the diverse members of the Deaf Community with emphasis on Deaf people as a linguistic and cultural minority. Focus is on historical, educational, political, social, and vocational issues.

**Prerequisites:** ASL 101 or permission of instructor.

**Notes:** May not receive credit for both ASL 245 and SES 245.

# Anthropology (ATY)

## **ATY 100 Modern Cultural Diversity 3**

Why are people different? In this course you will encounter the rich cultural diversity of people around the world today. Discover distinctive traditions from all around the globe and the common characteristics that unite us all as humans.

**MAC:** MAC Global and Intercultural

## **ATY 113 Engaging Culture 3**

Human cultures exhibit diverse belief systems, economic structures, languages, social identities, and even eating habits. But why? This course provides a holistic approach to this question, including what culture is, how anthropologists study it, and how anthropology can be applied to solve local and global problems.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students cannot receive credit for both ATY 113 and HSS 138.

## **ATY 153 The Human Species 3**

Why are humans, well, human? We have culture and language, we walk upright on two legs, we have populated nearly every habitat on Earth, and we exhibit diverse social and sexual behaviors. This course explores the human species through genetics, evolution, and the biology/behavior of nonhuman primates and humans.

**MAC:** MAC CritThink Nat Sci

**Corequisites:** ATY majors: ATY 153L.

## **ATY 153L The Human Species: Laboratory 1**

Laboratory supporting ATY 153.

**Notes:** Only required for ATY majors.

## **ATY 158 Adventures in Time-Travel through Archaeology 3**

Go back in time more than 2 million years when our pre-human ancestors started making stone tools, tour the painted caves of Paleolithic Europe, explore the mysteries of Maya pyramids, and much more. This course introduces students to the clues archaeologists use to understand ancient societies before written histories.

**MAC:** MAC Global and Intercultural

**ATY 204 Anthropology through Film 3**

This course uses the medium of visual anthropology, and in particular, documentary ethnographic film, to explore human cultural, social, and behavioral diversity around the globe in order to understand the human experience through an anthropological lens.

**MAC:** MAC CritThink Soc and BehavSci

**ATY 205 The World of the Neandertals 3**

A survey of the cultures and biology of Neandertals, including their technology, diet, treatment of the dead, communication systems, genetic code, and ultimate demise some 30,000 years ago. Application of this knowledge to an understanding of the modern human cultural experience.

**MAC:** MAC Global and Intercultural

**ATY 208 Lost Tribes and Sunken Lands 3**

Using the scientific method and techniques from archaeology, students critically assess the evidence supporting popular myths such as sunken Atlantis, pyramid power, and extraterrestrial encounters.

**MAC:** MAC CritThink Soc and BehavSci

**ATY 212 How to Human 3**

The study of human difference around the world is called Anthropology. In this course you will see how anthropologists explore cultures around the world based on beliefs, behaviors, cuisine, medical practices, art, technology, language, social institutions, family structures, and elements of daily life.

**MAC:** MAC CritThink Soc and BehavSci

**ATY 230 Cultures of Native North America 3**

Traditional ways of life of indigenous people of North America.

**MAC:** MAC Global and Intercultural

**ATY 231 Race and Human Diversity 3**

Critically examines human biological diversity and the notion of "race" from a biocultural perspective and through an historical lens to understand the role that race has played and continues to play within the field of anthropology with a focus on the American experience.

**MAC:** MAC Diversity and Equity

**ATY 235 Cultures of Africa 3**

Study of the peoples of Africa emphasizing family, organization, religion, political organization, languages, and urbanism. Includes a study of African novelists.

**MAC:** MAC Diversity and Equity

**ATY 240 Indigenous Towns and Temple Mounds: North American Archaeology 3**

Transformation and resiliency in North American indigenous complex cultures are explored using data drawn from art, archaeology, ethnohistory, anthropology, and oral histories. Northwest and southwest town cultures are compared/contrasted to the mound cultures of the mid-west/east. Their varied adaptive strategies for dealing with social, political, and climatic upheaval are revealed.

**MAC:** MAC Diversity and Equity

**ATY 259 Pandemics, Plagues & Outbreaks 3**

By examining present day and historical pandemics, this course will outline the relevance of archeological, biological, cultural, linguistic and applied anthropological approaches to understanding the role of outbreaks in shaping the human experience.

**MAC:** MAC Health and Wellness

**ATY 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ATY 311 Reading Culture and Society 3**

Examines key sociocultural issues through classic literary and cinematic works, emphasizing notions of modernity, the contemporary world, and the relationship they entertain; provides foundational reading and critical thinking skills.

**CIC:** CIC College Writing

**Notes:** Same as SOC 311.

**ATY 312 The Anthropology of Children 3**

A cross-cultural and evolutionary approach to the study of childhood from conception to adolescence that incorporates the five field perspective of anthropology.

**ATY 315 World Ethnographies 3**

Examines the primary genre and practice of cultural anthropology—ethnography—through a range of geographically and thematically diverse texts.

**ATY 321 Qualitative Data & Anthropological Knowledge 3**

Anthropology offers key insight into the human experience. This course explores what constitutes anthropological data and introduces qualitative data analysis. As questions of evidence and authority are central within the sciences, this class will guide students through in-class methods workshops, outline academic writing styles, and foster improved scientific literacy.

**Prerequisites:** ATY 100 or ATY 113 or ATY 212. ANTH major or permission of instructor.

**ATY 333 Latin American Societies and Cultures 3**

Tribal and peasant groups with special emphasis on their place in contemporary Latin America.

**ATY 334 Latin American Art and Archaeology 3**

Explores the art, architecture, religious beliefs, technologies, and political organization of the Pre-Columbian societies of Mesoamerica and South America such as the Maya, Moche, Aztec, and Inca.

**ATY 341 Paleolithic Archaeology 3**

A survey of the archaeology of stone-tool-using peoples from the first Paleolithic cultures to the agricultural revolution.

**Prerequisites:** Junior or senior standing .

**ATY 350 Human Origins and Evolution 3**

This course examines the evidence from fossils, genes, and artifacts to outline the human evolutionary journey from an ape-like ancestor some six million years ago to the appearance, expansion, and eventual global dominance of our own species, Homo sapiens.

**Prerequisites:** ATY 153 or BIO 105 or BIO 111.

**ATY 353 Music, Sound, and Power 3**

Introduction to the anthropology of music. Cultural analysis of music and sound in resistance, protest, and government. This course examines relationships between music, sound, and power. We will examine the connections between various types of power (political, resistance, religious, charismatic, etc.) and various types of sound (concert music, protest, chant, propaganda, etc.). The course will serve as an introduction to the anthropology of music. We will focus on multiple case studies and examine the role of music/sound in asserting, maintaining or challenging a variety of beliefs or ideologies. Students will complete a power/music/sound project of their own choosing.

**ATY 354 Modern Asia through its Music 3**

Introduction to the musical traditions of Asia. Traditions are examined within their religious, philosophical and socio-political contexts allowing comparison of musical activity, concepts and sounds. No musical training required.

**ATY 357 Monkeys, Apes, and Humans 3**

An overview of primatology—the study of prosimians, monkeys, apes, and humans. Involves in-depth study of selected primates as well as discussion of major theoretical issues and ways in which the study of nonhuman primate behavior helps illuminate human evolutionary history.

**CIC:** CIC College Writing

**ATY 359 Forensic Anthropology 3**

Methods of recovery and analysis of human remains in medicolegal contexts, including human and nonhuman skeletal material, decomposition, crime scene recovery, and skeletal signs of age, sex, and trauma.

**ATY 360 Methods in Archaeology 3**

Analysis and evaluation of methods, theories, and concepts necessary for recovery and interpretation of cultural information about past societies relevant for anthropological goals. Includes issues of historiography, epistemology, and ethics.

**ATY 361 Methods in Biological Anthropology 3**

Provides students with an understanding of the basic research techniques utilized by physical anthropologists through hands-on experience and an introduction to the literature in the field.

**Prerequisites:** ATY 153.

**ATY 362 Methods in Cultural Anthropology 3**

Cultural anthropology methods provides hands-on opportunities to learn qualitative and quantitative methods in data collection and analysis. Students engage in data collection techniques, such as fieldnotes, participant and casual observations, interviews, dietary recall and photovoice. With time permitting we engage in some text and descriptive statistical analyses.

**CIC:** CIC College Writing

**Prerequisites:** ATY 113.

**ATY 363 History of Anthropological Theory 3**

Developments in history of Western thought and study of culture leading to the emergence of anthropology as a scientific field.

**Notes:** Not open to freshmen.

**ATY 369 Statistics for Anthropology 3**

Validity and reliability, variables and constants, independence and dependence, scales, frequency distribution and graphs, variance of central tendency and dispersion, probability, hypothesis testing, difference between means, analysis of variance, comparison of samples, simple regression correlation analysis, and analysis of frequencies.

**Prerequisites:** Anthropology (ANTH) or Humanities (SPLS) major.

**ATY 370 Historical Archaeology of the Modern World 3**

This course applies archaeological, geographical, and historical evidence to examine the cultural consequences of European expansion as deduced from landscape, material culture, and documentary studies. The “Columbian exchange,” or transfer of people and their plants, animals, material goods, ideas, diseases, and institutional systems within diverse landscapes is explored.

**ATY 377 Disaster, Self, and Society 3**

The anatomy of disasters examined from both anthropological and sociological perspectives. Case studies are presented through several conceptual lenses for clarifying individual, social, cultural, and political responses to catastrophic events.

**CIC:** CIC College Writing

**Prerequisites:** 3 s.h. of course work with a prefix of ATY or SOC or permission of instructor.

**Notes:** Same as SOC 377.

**ATY 385 Language and Culture 3**

A survey of verbal and non-verbal behavior cross-culturally. Emphasis on the use of language in the speech community, gestures, body language, expressive behavior, verbal art, and language learning.

**ATY 400 Cults and Conspiracy Theories 3**

An anthropological survey of cults, brainwashing, conspiracies, conspiracy theories, and the process of identity construction, initiation, and cultural practice as socio-cultural phenomena.

**ATY 401 Witch Hunts and Legal Anthropology 3**

A survey and exploration of the way that law produces culture and culture produces law through witch-hunts, European and American witch trials, and significant legal cases in American Law.

**ATY 403 Selected Topics in Anthropology 3**

Opportunity for advanced students to study in depth topic or issue of special interest.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ATY 420 Economic Anthropology 3**

An analysis and critique of modern economics from the perspective of Economic Anthropology. Anthropologists provide a formal and substantive critique of Smith's “invisible hand,” and Marx's unilineal “historical materialism.” Using case studies, this course examines how Economic Anthropology addresses environmental issues, health disparities, structural racism, and neoliberal development policy.

**Prerequisites:** ATY 363 or permission of instructor.

**ATY 423 Applying Archaeology in the Real World 3**

Overview of theory and skills needed to work as an applied archaeologist in the public sector. Topics include cultural resource management and public outreach projects.

**Notes:** Open to sophomores, juniors, and seniors only.

**ATY 424 Applying Anthropology in the Real World 3**

Applied Anthropology emphasizes the application of anthropology to the needs of communities, organizations and institutions in attempts to aid real life problems and issues. Applied anthropology relates to activism, advocacy, and community-based, engaged, participatory, practicing, and public anthropologies. Working together we examine ways one specializes in an applied career.

**Prerequisites:** Not open to freshmen.

**ATY 426 Food and Culture in a Global Context 3**

The course examines the paradox of hunger in an abundant world from historical and contemporary perspectives by reviewing industrialized agriculture, genetic engineering, impacts on health and the environment, and local efforts to achieve sustainability of the agro-food system.

**CIC:** CIC College Writing

**Prerequisites:** Not open to freshmen.

**ATY 434 Archaeology of South America 3**

Survey of the archaeology of South America from earliest evidence of human habitation up to the arrival of the Spanish. Emphasis placed on the Andean area of western South America.

**ATY 440 Colliding Worlds: Forming America 3**

Historical archaeological approach documenting the American experience for immigrant, enslaved, and freed African, Chinese, Irish, and other workers who crossed the seas, contributing to American culture.

**ATY 444 Archaeology of Power/Politics 3**

This course examines complex political organizations and power relations since the emergence of inequality. Archaeological and historical examples will be compared to evaluate competing models of political development.

**CIC:** CIC College Writing

**Prerequisites:** ATY 158.

**ATY 447 Myth, Magic, and Religion 3**

Examination of sacred and secular beliefs in cross-cultural perspective. Emphasis on symbols, ritual, and their functions.

**ATY 449 Gender Archaeology 3**

Through material culture this course examines gender in prehistoric, classical, and historic societies as an integral aspect of human societies and the social relations in families, communities, and complex polities.

**CIC:** CIC College Writing

**Notes:** Open to sophomores, juniors, and seniors only.

**ATY 450 Environmental Anthropology 3**

Through an anthropological lens we examine how humans shape the environment and the environment shapes its inhabitants from different cultures, genders, locations, and social classes. From various approaches to the cultural and environmental interface we examine land and natural resource use, social and environmental justice, climate change, ethnobotany, and sustainability.

**Prerequisites:** Not open to freshmen.

**ATY 453 Human Osteology 3**

Detailed coverage of anatomical structures on bone and methods involving inventory, description, data collection, and analysis of human remains. Topics include functional and comparative skeletal anatomy, bone microstructure, and physiology.

**Prerequisites:** ATY 153 or BIO 105 or BIO 111.

**ATY 453L Human Osteology Lab 0**

Laboratory supporting ATY 453.

**Corequisites:** ATY 453.

**Notes:** No grade is awarded with this course number. Grades are awarded with the lecture course.

**ATY 457 Primate Behavior 3**

An overview of primatology and of methods for studying the behavior of prosimians, monkeys, and apes. Involves experience in data collection, computerized data analysis, and producing a scientific report.

**Prerequisites:** ATY 357 or ATY 361.

**ATY 459 Anthropology of Global Water, Sanitation and Hygiene (WASH) 3**

Exploration of the importance of water for human and environmental health. This course draws on critical medical anthropology to situate resource inequity in its political, environmental, and cultural context. We explore anthropological and human geographical contributions to global water, sanitation, and hygiene initiatives.

**ATY 462 Archaeology of the Southeastern United States 3**

Investigation of indigenous cultural development in North America from earliest Paleo-Indian evidence to the European Contact Period, with special emphasis on the archaeology of southeastern North America including North Carolina.

**CIC:** CIC College Writing

**Prerequisites:** ATY 158 or permission of instructor.

**ATY 465 Medical Anthropology 3**

Medical anthropology covers a range of topics that focus on sickness and healing, and access to healthcare from various bio-cultural practices. We draw from cultural and political ecologies of disease, ethnomedical systems, social construction of illness and social production of health, structural violence, syndemics and global health.

**Prerequisites:** Not open to freshmen.

**ATY 469 Anthropology of Infectious Disease 3**

Exploration of emergent and re-emergent infectious disease in a global context. This course draws on critical medical anthropology and situates infectious disease in its political, environmental, and cultural context. We explore anthropological contributions to public health and infectious disease prevention.

**ATY 475 Research Methods in Historical Archaeology 3**

Advanced training in research methods in Historic Archaeology, involving on-site training in field, laboratory, and library components of Historic Archaeology.

**Notes:** Not open to freshmen and sophomores. Same as HIS 478.

**ATY 477 Zooarchaeology 3**

The identification and analysis of animal bones in archaeological contexts.

**Prerequisites:** ATY 158.

**ATY 478 Field Methods in Archaeology 3**

Methods, techniques, and theories of archaeological field investigation. Includes site survey, mapping, systematic sampling, and controlled excavation.

**Prerequisites:** Permission of instructor.

**ATY 479 Analysis of Archaeological Data 3**

Instruction on proper treatment of material recovered through archaeological investigation. Includes classification, statistical manipulation of data, seriation, and analysis of spatial and temporal dimensions. Attention to special analytical techniques (e.g., C14 dating, chemical analysis, faunal analysis) with stress on ecological interpretation.

**Prerequisites:** Permission of instructor.

**ATY 493 Honors Work 3-6**

**Prerequisite:** Permission of instructor; 3.30 GPA in the major; 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**ATY 495 Contemporary Issues in Anthropology 3**

A capstone seminar focusing on current issues in anthropology, how they relate to the discipline, and their significance to anthropology's role in today's world.

**Prerequisites:** ATY 363 and ATY 360 or ATY 361 or ATY 362. Open to Seniors only.

**ATY 497 Special Problems in Anthropology 1-3**

Opportunity for students to have directed instruction on problems of special interest.

**Prerequisites:** Permission of instructor.

**ATY 498 Special Problems in Anthropology 1-3**

Opportunity for students to have directed instruction on problems of special interest.

**Prerequisites:** Permission of instructor.

**ATY 499 Internship in Anthropology 3**

Faculty supervised practicum experience in an off campus setting. Host organization will provide the student with applied experience directly relevant to a specific subfield of anthropology.

**Prerequisites:** Permission of instructor .

**ATY 501 Selected Topics in Anthropology 3**

Opportunity for advanced students to study in depth topic or issue of special interest.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ATY 595 Contemporary Issues in Anthropology 3**

A capstone seminar focusing on current issues in anthropology, how they relate to the discipline, and their significance to anthropology's role in today's world.

## Apparel Product Design (APD)

**APD 200 Fundamentals of Apparel Product Development 3**

Introduction to fundamentals of apparel product development. Emphasis on identifying, utilizing and developing technical skills in apparel production.

**Prerequisites:** CARS major.

**APD 244 Visual Communication for the Textile Products Industry 3**

Survey of industry methods for communicating design concepts and presenting finished products. Emphasis is on use of media and development of techniques for rendering fabrics and textile product designs.

**Prerequisites:** Minimum grade of C (2.0) in CRS 242.

**APD 251 Studio I: Garment Construction 3**

An examination and evaluation of ready-to-wear apparel including terminologies, production techniques and price/quality relationships.

**Prerequisites:** Written permission from the CARS department head.

**APD 252 Studio II: Patternmaking and Draping 3**

Introduction to the apparel design process. Introduction to basic flat pattern, draping, and fitting principles. Theories and methods in designing apparel for various target markets.

**Prerequisites:** Minimum grade of C (2.0) in APD 200, APD 251, CRS 211, CRS 242, and one of the following: MAT 115, MAT 118, MAT 120, MAT 150, MAT 151, MAT 190, MAT 191, MAT 292.

**APD 310 Portfolio Development for Apparel Design 3**

Development of a professional design portfolio that will emphasize investigation of specific apparel markets, target customers, seasons and fabrications, and various illustrative techniques.

**Prerequisites:** Minimum grade of C (2.0) in APD 244 and APD 252.

**APD 341 Studio III: Advanced Patternmaking and Draping 3**

Development of apparel designs by flat pattern and draping techniques and original design process.

**Prerequisites:** Minimum grade of C (2.0) in APD 252.

**APD 441 Computer Applications for Textile Products 3**

Utilization of general graphics programs and CAD systems used extensively in the fashion industry to create digital presentation boards, fashion graphics, woven and print textile designs, and technical specification packages.

**Prerequisites:** ISM 110, grade of C (2.0) or better in APD 244.

**APD 443 Studio IV: Creative and Technical Design 3**

Principles and methods of product design with an emphasis on creative and experimental approaches. Development of visual vocabulary and knowledge of trend prediction to generate design ideas. Use of diverse materials and structures for three-dimensional design.

**Prerequisites:** Minimum grade of C (2.0) in APD 244 and APD 341.

**APD 452 Textile Products Production Management 3**

Overview of management issues in textile product production including raw material selection and evaluation, computer integration, equipment selection, planning production, costing, and quality control. Several manufacturing systems are analyzed.

**Prerequisites:** Grade of C (2.0) or better in CRS 231 and CRS 312 .

## Arabic (ARB)

**ARB 101 Beginning Arabic I 3**

Introduction to Modern Standard Arabic and the cultures of the Arabic-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**ARB 102 Beginning Arabic II 3**

Continued study of Modern Standard Arabic and the cultures of the Arabic-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** ARB 101 or equivalent.

**Notes:** Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**ARB 203 Intermediate Arabic I 3**

Intermediate-level study of Modern Standard Arabic and the cultures of the Arabic-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** ARB 102 or equivalent.

**Notes:** Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**ARB 204 Intermediate Arabic II 3**

Continued study of the Modern Standard Arabic and the cultures of the Arabic-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** ARB 203 or equivalent.

**Notes:** Students with previous knowledge of Arabic are required to meet with a designated faculty member. Students who are native or heritage speakers of Arabic MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

## Archaeology (ARC)

**ARC 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ARC 381 Study Abroad Experience in Archaeology 3**

Students are immersed in a study abroad experience acquiring specific knowledge of local and regional archaeological sites and alternate methods and theoretical approaches to the discipline.

**Prerequisites:** Permission of Archaeology Program Director.

**Notes:** May be repeated for up to 9 credit hours (up to three different overseas archaeology courses, but at the 200-300 level equivalency only). ARC subject, SAB transferred credit hours, become ARC 381 credit hours with approval.

**ARC 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ARC 493 Honors in Archaeology 3**

Opportunity for qualified students to undertake an Honors Project in Archaeology.

**Prerequisites:** 3.30 GPA. 12 s.h. in the major, permission of instructor;

**Notes:** May be repeated for credit when topic varies, for up to 6 hours of credit.

**ARC 498 Special Archaeological Research 1-3**

Opportunity for Archaeology students to have directed instruction on problems of special archaeological interest.

**Prerequisites:** Permission of Archaeology Program Director.

**Notes:** May be repeated for credit when topic varies, for up to 3 hours of credit.

**ARC 499 Internship in Archaeology 1-3**

Opportunity for off-campus, high-impact experience in the community, such as in a museum setting, a cultural management firm, a heritage preservation program, a government agency, or a related non-profit.

**Prerequisites:** Permission of Archaeology Program Director.

**Notes:** May be repeated for credit when host/venue varies, for up to 9 hours of credit.

## Art (ART)

**ART 100 Introduction to Art 3**

Intensive study of selected works of art with an emphasis on formal analysis and the relationship between art and culture.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** ART majors may not take this course for credit.

**ART 105 Foundations Seminar 3**

Becoming a successful student and great artist requires so much more than raw talent. This course connects the dots between creative, productive habits, scholarly pursuits, and professional planning.

**MAC:** MAC Foundations

**Prerequisites:** B.A. ART major with a concentration in Studio Art. or permission of instructor. Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**ART 120 Fundamentals of Drawing 3**

Basic course in the practice and principles of drawing. Emphasis on working from observation with a wide variety of media and genres explored.

**ART 123 Introduction to Visual Art Practices 3**

This studio course introduces non-majors to traditional and contemporary visual art practices and relates these practices to broader cultural contexts external to visual art.

**ART 140 Foundations in New Media and Design I 3**

Basic course in fundamentals of design. Work in two and three dimensions.

**ART 150 Three-Dimensional Foundations I 3**

Fundamentals in three dimensional concepts of form, space, and structure.

**ART 220 Intermediate Drawing 3**

A continuation of the practices and principles of ART 120, with a greater emphasis on conceptual development.

**Prerequisites:** ART 120 .

**ART 221 Life Drawing I 3**

Figure drawing from the model.

**Prerequisites:** ART 220.

**ART 222 The Artist's Sketchbook 3**

An intermediate level investigation into the methodology of keeping an artist's sketchbook through practice, investigation of contemporary and historical examples, collaborative work, and on-site drawing.

**Prerequisites:** ART 120.

**ART 232 Painting I 3**

Basic course which uses observation as a vehicle for learning the fundamentals of oil painting.

**Prerequisites:** ART 120.

**ART 240 Foundations in New Media and Design II 3**

Through a series of studio projects, students are introduced to the computer as a design tool and art medium while exploring problems related to color, time, visual systems, and seriality.

**Prerequisites:** ART 140.

**Corequisites:** For Studio Art majors.

**ART 253 Three-Dimensional Foundations II 3**

Working from observation, students will increase their perceptual ability and skills through studio assignments. Emphasis on the comprehension of forms and structures in space.

**Prerequisites:** ART 150.

**ART 276 Creative Space: The Meeting of Art and Entrepreneurship 3**

Students develop self-employment skills with a focus on blending contemporary creative practices and entrepreneurship. Research and basic art skills are combined with entrepreneurship resulting in personal business models.

**Prerequisites:** ART or ENTR major.

**Notes:** Same as ENT 276.

**ART 281 Ceramics I 3**

Basic course with emphasis on hand-built forms.

**ART 285 Photography I 3**

This course serves as an introduction to black and white analog photography. The course will offer students an overview of analog photography focused on: Manual camera operations, black-and-white film development and darkroom printing. Equipment and basic techniques of photography. Students must purchase film and papers. 35 MM camera required.

**Prerequisites:** ART 140, or permission of instructor.

**ART 286 Digital Photography I 3**

This course serves as an introduction to digital photography. The course will offer students an overview of digital photography focused on: Manual camera operations, digital workflow, and basic digital manipulations.

**Prerequisites:** ART 140.

**ART 295 Analysis of Global Animation 3**

Students in this course create original works in video and animation as a method for analyzing a diverse array of animated works from around the globe.

**Prerequisites:** ART 240 and ART 220.

**ART 321 Life Drawing II 3**

Continuation of ART 221.

**Prerequisites:** ART 221.

**Notes:** May be repeated once for credit.

**ART 322 Variable Topics in Drawing 3**

Practice and study of traditional and contemporary methods of drawing in a variety of media and genres.

**Prerequisites:** ART 221.

**Notes:** May be repeated once for a total of 6 semester hours.

**ART 324 Screen Printing and Monoprint 3**

Studio course emphasizing stencil based printing techniques merging hand made and photographic imagery.

**Prerequisites:** ART 220.

**ART 326 Printmaking I 3**

Introduction to Printmaking methods and concepts emphasizing multiple intaglio and relief techniques.

**Prerequisites:** ART 220.

**ART 328 Printmaking II 3**

Intermediate undergraduate studio course with emphasis on individual printmaking development.

**Prerequisites:** ART 326.

**ART 329 Lithography 3**

Planographic techniques as a printmaking medium.

**Prerequisites:** ART 220.

**Notes:** May be repeated once for credit.

**ART 335 Painting II 3**

Studio course with substantial work from the model. Emphasis on development of control of the medium for pictorial purposes.

**Prerequisites:** ART 232.

**ART 337 Painting III 3**

Studio course with work from the model and other subject matter; emphasis on control of pictorial elements and individual development.

**Prerequisites:** ART 335.

**ART 340 Sequencing I 3**

Intermediate-level study of design fundamentals in time-based applications, with emphasis on cross application work and content.

**Prerequisites:** ART 140. ART 240 or ART 241.

**ART 341 Typographics I 3**

Letter forms, signs, and symbols as configurations for design study.

**Prerequisites:** ART 140 and ART 240 or ART 241.

**ART 344 Imaging I 3**

Studio based study of photo-based imagery and digital imaging. In-depth study of Photoshop and complementary photo-based software.

**Prerequisites:** ART 140. ART 240 or ART 241; or permission of instructor.

**ART 345 Interactivity I 3**

An introduction to the design of interfaces for the Web using HTML and CSS. The course also addresses the issues of fluid design in interactive media.

**Prerequisites:** ART 240 or ART 241.

**ART 347 Imaging II 3**

Major color theories and systems. Projects using properties of color in pigments, transparencies, and projected light.

**Prerequisites:** ART 140.

**ART 349 Expanded Print Media 3**

An inter-media course exploring traditional and digital print media in relation to studio process, multiplicity, dissemination, social architectures, and public engagement.

**Prerequisites:** ART 328. Studio Art major.

**ART 353 Metal Casting 3**

Basic course in casting metal as a sculpture medium. Theory and practice of mold-making and foundry processes.

**Prerequisites:** ART 253 or permission of instructor.

**Notes:** May be repeated for credit.

**ART 354 Metal Sculpture 3**

Studio course in non-cast metal sculpture techniques and concepts. Basic welding and fabrication of metal as a sculpture medium.

**Prerequisites:** ART 253 .

**ART 355 Sculpture I 3**

Sculpture as a plastic idiom in creating forms in space. Emphasis on the development of individual expression.

**Prerequisites:** ART 253.

**ART 356 Sculpture II 3**

Advanced undergraduate work with emphasis on individual sculpture development.

**Prerequisites:** ART 355.

**ART 373 Design Methods for the Crafts 3**

Sources of and approaches to crafts design with materials such as wood, fiber, metal, and paper. Exploration of sources of design in natural and man-made worlds. Recommended for Art Education majors.

**Prerequisites:** ART 140 or permission of instructor.

**ART 378 Concept Art 3**

The focus of this course is on the development of pre-production materials used to guide the visual aesthetics of an animated film or interactive work.

**Prerequisites:** ART 221, ART 240.

**ART 379 2D Animation 3**

Studio course focusing on the art of crafting 2D sequential drawings to form an animated sequence imbued with life.

**Prerequisites:** ART 399.

**ART 381 Ceramics II 3**

Wheel-thrown forms; glazing and decorating techniques.

**Prerequisites:** ART 281 or permission of instructor .

**ART 382 Ceramic Glaze Techniques 3**

Glaze formulae; mixing and testing of glazes, glaze application, the care and operation of equipment.

**Prerequisites:** ART 281.

**ART 384 Photojournalism and Documentary Photography 3**

Course examines photojournalism and the documentary tradition. Students will explore a local story idea while learning new technical and visual skills essential to creating a cohesive visual narrative.

**Prerequisites:** ART 285 or permission of instructor.

**Notes:** May be repeated once for credit when the topic varies.

**ART 385 Photography II 3**

This course further explores the technical and creative process of black-and-white and color photography through technical and creative instruction in both analog and digital photography.

**Prerequisites:** ART 285 and ART 286, or permission of instructor.

**ART 386 Studio Lighting for Photography 3**

Advanced photographic study of studio lighting practices and techniques, both traditional and exploratory.

**Prerequisites:** ART 285, ART 385.

**ART 387 Alternative Photographic Processes 3**

Explores historical and alternative photographic processes, both digital and non-silver.

**Prerequisites:** ART 285.

**ART 388 Photographic Interaction 3**

Course expands the boundaries of image-making in still life, nature and human relationships. Includes advanced techniques in printing and sequencing images, including digital technology.

**Prerequisites:** ART 285 or permission of instructor.

**ART 392 Typographics II 3**

This introductory studio functions as a survey of typographic practice across media platforms. Students relate typographic form to reading conventions, expression, visual communication, and reproduction technologies.

**Prerequisites:** ART 341.

**ART 393 Practicum/Internship in Art Careers 1-3**

Practical experience for art majors for developing career goals and skills.

**Prerequisites:** Prior written approval of supervising instructor and department head, with written agreement of expectations from sponsor.

**ART 394 Advanced Studio Practicum: Art and Entrepreneurship 3**

Development and operation of student-run art studio offering services ranging from graphic design and photography to painting and sculpture. Emphasis on developing professional and entrepreneurial skills.

**Prerequisites:** Junior or senior standing.

**Notes:** Grade: Pass/Not Pass (P/NP). May be repeated once; Same as ENT 394.

**ART 395 Storyboarding for Animation 3**

An introduction to the visual storytelling and storyboarding techniques of animation, including story development and compositional strategies.

**Prerequisites:** ART 295.

**ART 396 Character Design Workshop 1**

This three-day, 15 hour workshop provides extensive studio experience in the development of character designs for animation. Students will develop and present several preliminary designs before executing a final design.

**Prerequisites:** ART 221.

**Notes:** Grade: Pass/Not Pass (P/NP).

**ART 397 Digital Publications: The Coraddi 3**

Working as a team, students develop and publish the Coraddi, a nationally recognized on-line arts and literature publication that has been the voice of UNCG students for 125 years.

**Prerequisites:** Art 240 and permission of instructor.

**ART 398 Introduction to Digital Modeling 3**

Introduction to basic concepts and techniques of three-dimensional modeling within a digital environment.

**Prerequisites:** ART 240.

**ART 399 Introduction to 3D Animation 3**

Introduction to basic concepts and techniques of three-dimensional animation within a digital environment.

**Prerequisites:** ART 398.

**ART 420 Advanced Drawing 3**

An advanced investigation of drawing through practice, conceptual development, in-class critique, and independent research into contemporary and historical drawing.

**Prerequisites:** ART 220, ART 221, ART 322.

**ART 427 Printmaking and Drawing Capstone 3**

Students make a body of self-directed work in preparation for the Senior BFA Exhibition. This includes preparation, documentation and installation of artwork.

**Prerequisites:** ART 322 or ART 328.

**ART 428 Etching II 3**

Continued development of etching techniques introduced in Etching I. Emphasis placed on supervised independent work consistent with students' personal artistic goals.

**Prerequisites:** ART 328.

**ART 429 Lithography II 3**

Continuation of ART 329 with additional emphasis on multi-color imagery and the integration of advanced lithographic processes in students' assignments.

**Prerequisites:** ART 120 or ART 140, and ART 329.

**ART 441 Typographics III 3**

Advanced studio investigation into digital publishing with an emphasis on print-based and electronic publication forms. Primary focus on unique and challenging artist's books and image-intensive works.

**Prerequisites:** ART 341.

**ART 442 Sequencing II 3**

Advanced studio-based exploration of digital video, sound, and animation through a range of digital software. Study of nonlinear editing, narrative, and experimental approaches to motion graphics and video.

**Prerequisites:** ART 340.

**ART 443 Interactivity II 3**

Development of Web graphics and interactive Web-based environments that demonstrate an understanding of navigation, usability, and functionality within a creative framework.

**Prerequisites:** ART 345, or permission of instructor.

**ART 445 Advanced Digital Modeling 3**

Advanced work in 3D modeling including digital sculpting, rigging and texturing/painting.

**Prerequisites:** ART 398.

**ART 446 Advanced Topics: Research and Methods in New Media and Design 3**

An advanced investigation into graphic design; typography, branding, and information architecture. Advanced execution of print, Web-based, and motion graphics.

**Prerequisites:** ART 392.

**ART 447 New Media and/or Design Capstone 3**

Through independent and student-directed studio work and discipline-based writing and speaking intensive projects, students will engage in analytical discourse related to professional practice as a new media artist and designer in preparation to exhibit, present, and promote their work.

**Prerequisites:** ART major, New Media and Design concentration. ART 441 or ART 442 or ART 445 or ART 446 or ART 443.

**ART 448 Variable Topics in New Media and Design 3**

An advanced level New Media and Design course with a topical focus. Please check departmental listing for current description.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ART 457 Site-Specific Sculpture 3**

Provides opportunity to make site-specific sculptures; process of making work in the public arena from initial conception, interaction with jury committee to completed sculpture.

**Prerequisites:** ART 355 or permission of instructor.

**ART 459 Sculpture and/or Ceramics Studio Capstone 3**

Independent studio course with Speaking Intensive component. Students make a body of self-directed work in preparation for the Senior BFA Exhibition. This includes preparation, installation, documentation, and presentation of sculptures.

**Prerequisites:** ART 355, ART 356, and ART 481.

**Notes:** May be repeated once for credit with permission of instructor.

**ART 481 Ceramics III 3**

Advanced course in ceramics with emphasis on the entire ceramic process: preparation of clay body and glazes, forming, bisque and glaze firing.

**Prerequisites:** ART 281 and ART 381.

**Notes:** May be repeated three times for a total of 12 semester hours.

**ART 482 Capstone Painting Studio and Practice Seminar 3**

Through independent studio, discipline-based writing, and speaking projects, students will engage in analytical discourse related to museum exhibitions and lectures and in preparation to exhibit, present, and document their artwork.

**Prerequisites:** ART 321, ART 322, and ART 337.

**ART 485 Photography Professional Practices Studio Capstone 3**

Emphasis upon the application of advanced tools and techniques, where independent research and creative studio practice is required.

**Prerequisites:** ART 285, ART 286 and two photography courses at the 300 level.

**ART 487 Variable Topics in Photography 3**

This advanced photographic studio course will focus on variable topics in photography.

**Prerequisites:** ART 385.

**Notes:** May be repeated once for credit when topic changes, for a total of 6 s.h.

**ART 489 Mindfulness for Artists 3**

An interdisciplinary exploration into the theory and practice of mindfulness to aid the creative development of advanced artists.

**Prerequisites:** Junior level standing.

**ART 491 Animation Capstone 1 3**

This course is the first of a two-part capstone for the BFA Studio Art concentration in Animation. Students will work collectively to prepare a story and concept art, then begin the production of an animated short film.

**Prerequisites:** ART 445 or ART 495. BFA Studio Art students concentrating in Animation, or permission of instructor.

**ART 492 Animation Capstone 2 3**

Animation Capstone 2 continues the creation of a collaborative animated short started in Animation Capstone 1, and culminates in a completed film, promotional material, and individual portfolio highlighting work done on the production.

**Prerequisites:** ART 491. BFA Studio Art students concentrating in Animation, or permission of instructor.

**ART 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**ART 495 Advanced Animation 3**

This course builds upon the fundamentals established in ART 399 and focuses on advancing the student's understanding of how animation is controlled in the 3D environment and refining their skills in the art of manipulating assets and characters.

**Prerequisites:** ART 399.

**ART 496 Special Problems, Studio 3**

Independent studio work adjusted to needs and interests of individual student.

**Prerequisites:** Prior approval of supervising instructor required.

**ART 557 Site-Specific Sculpture 3**

Provides opportunity to make site-specific sculptures; process of making work in the public arena from initial conception, interaction with jury committee to completed sculpture.

**ART 592 Professional Practices, Aesthetics, and Preparation for the Visual Artist 3**

Emerging artists participate in their community and acquire the skills of career professionals. Students will engage in critical dialog related to gallery lectures, exhibitions, and symposia, and prepare to exhibit, present, and document their studio work.

**ART 610 Graduate Studio Seminar 3**

Advanced work in visual art combining studio practice, seminar discussions of contemporary art texts and group critiques.

**Prerequisites:** Admitted to MFA in studio arts.

**ART 615 Graduate Studio and Colloquium 6**

This course emphasizes individual artistic practice and the student-initiated creation of a relevant and critical public discourse centered on that practice.

**ART 622 Drawing Marathon 3**

Four two-day sessions of intensive drawing from figure, interior, still life, and imagination using a variety of materials. Emphasis on longer periods of uninterrupted drawing.

**Prerequisites:** Admitted to MFA in studio arts or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ART 627 Lithography 3**

Aesthetic and technical exploration of planographic methods in lithography.

**Prerequisites:** Admitted to MFA in studio arts or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ART 629 Studio Problems in Drawing, Painting, or Printmaking 3**

Independent work in drawing, painting, or printmaking.

**Prerequisites:** Admission to candidacy and permission of instructor.

**Notes:** May be repeated for credit.

**ART 635 Painting 6**

Advanced practice and theory of painting with an inclusive interpretation of painting.

**Prerequisites:** Admitted to MFA in studio arts or permission of instructor.

**Notes:** May be repeated for credit.

**ART 641 New and Expanded Media 6**

Special studio topics in design ranging from digital photography to systems based art.

**Notes:** May be repeated for credit when topic varies.

**ART 649 Studio Problems in New Media 3**

Independent work in digital media or photography.

**Prerequisites:** Admission to candidacy and permission of instructor.

**Notes:** May be repeated for credit.

**ART 657 Sculpture 6**

Advanced work in sculpture.

**Prerequisites:** 6 semester hours undergraduate sculpture or a working knowledge of basic sculpture techniques and permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ART 659 Studio Problems in Sculpture 3**

Independent work in sculpture.

**Prerequisites:** Admission to candidacy and permission of instructor.

**Notes:** May be repeated for credit.

**ART 682 Ceramics 6**

Advanced work in ceramics.

**Prerequisites:** 6 semester hours of undergraduate ceramics or a working knowledge of basic ceramic techniques and permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ART 685 Photography 6**

Advanced work in photography.

**Prerequisites:** 6 studio hours in undergraduate photography or a working knowledge of photographic techniques or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ART 699 Thesis 1-6**

Prerequisite: Third or fourth semester MFA candidate.

**ART 801 Thesis Extension 1-3**

Thesis Extension.

## Art Education (ARE)

**ARE 260 Art, Education, and Social Practice 3**

This course is concerned with art's role(s) in community and explores the intersections between three major themes: contemporary art, educational theory and practice, and social and community engagement.

**ARE 361 Foundations of Art Education 3**

Art media and curriculum foundation for Art Education K-12. Field placement practicum in schools or other appropriate settings.

**Prerequisites:** ARE 260.

**ARE 363 Art Curriculum and Teaching Methods in the Elementary School 3**

Aims, philosophy, and curricula of art education in the elementary school; selection, preparation, and use of teaching materials.

**Prerequisites:** ARE 260. Art Education major.

**ARE 364 Practicum Service-Learning 3**

Students participate in art education service learning project(s) in school or community based setting(s) under faculty supervision.

**Prerequisites:** Art Education major or permission of instructor.

**ARE 365 Art Curriculum and Teaching Methods in the Secondary School 3**

Aims, philosophy, and curricula of art education in the secondary school; selection, preparation, and use of teaching materials.

**Prerequisites:** ARE 260. Art Education major.

**ARE 367 Child Art and Teaching 3**

An introduction to the theoretical and philosophical foundations for Art Education (birth to middle school), including hands-on experience with school art media.

**Prerequisites:** Junior standing.

**Notes:** Not open to Art Education majors.

**ARE 368 Research in Contemporary Issues in Art Education 3**

Critical inquiry and analysis of topics and issues in contemporary art education and discussion of trends and educational policy fundamental to a foundation for research, theory development, and leadership.

**Prerequisites:** ARE 260. Art Education major.

**ARE 369 Internship: Leadership in Art Education 1-3**

Internship with emphasis on meeting children's needs, while developing self, civic literacy, and leadership skills.

**Prerequisites:** B.F.A. ART major with Art Education concentration; permission of faculty coordinator based on internship proposal;

**Notes:** Grade: Pass/Not Pass (P/NP).

**ARE 465 Student Teaching 12**

Supervised student teaching at the elementary or the secondary school level.

**Prerequisites:** ARE 361, ARE 363, ARE 365, and ARE 368.

**Notes:** For Art Education majors only. Permission of Art Education Program Coordinator required.

**ARE 468 Teaching Practice and Curriculum in Art 3**

Curriculum development for K-12 art teaching, professional theory, development, standards and guides for effective teaching, and observations of student's classroom practice.

**Prerequisites:** Admission to the Standard Professional I licensure program for Art K-12 and/or permission of the instructor.

**Notes:** Enrollment restricted to Standard Professional I teaching licensure students.

## Art History (ARH)

**ARH 110 Survey of Global Art Histories 1: Prehistory to c.1000 3**

Chronological, thematic survey of significant works representing visual traditions of Global art from the Paleolithic era to circa 1000 C.E.

**MAC:** MAC Global and Intercultural

**ARH 111 Survey of Global Art Histories 2: c.1000 to c.1800 3**

Chronological, thematic overview of significant works representing visual traditions of Global art from circa 1000 to circa 1800 C.E.

**MAC:** MAC Diversity and Equity

**ARH 112 Survey of Global Art Histories 3: c.1800 to Present 3**

Chronological, thematic survey of significant works representing visual traditions of Global art from circa 1800 C.E. to the present.

**MAC:** MAC Diversity and Equity

**ARH 210 The Art of Disney and Pixar 3**

Chronological survey of the preproduction and production art of the Disney and Pixar studios with an introduction to the history of the animated film and cartoon.

**ARH 211 Art and the African-American Presence 3**

The thematic study of key works by artists of African heritage and from the Western canon that reflect and construct race as a crucial dimension of American culture.

**ARH 214 History of Ceramics: Critical Perspectives 3**

A thematic exploration of the ceramic medium. Three foci are used as case studies demonstrating how art history can approach gender, globalization, and the debate surrounding art and craft.

**ARH 219 Foundations in Art History Research 3**

Topic-based seminar in art history. Students acquire knowledge of current research and methodology on the selected topic, undertake related independent research, and present findings in oral and written forms.

**Prerequisites:** ART major with Art History concentration or ANY student with Art History Minor or Art History for Artists and Art Museum Studies Minor. ARH 110, ARH 111, and ARH 112.

**ARH 302 Roman Art 3**

Chronological survey of the art of ancient Italy and the Roman Empire from ca. 1000 BC to the death of Constantine in AD 337.

**Prerequisites:** ARH 110 or permission of instructor.

**ARH 310 Early Medieval and Byzantine Art 3**

Art and architecture of Early Medieval Europe and the Byzantine East from ca. 300 to ca. 800.

**Prerequisites:** ARH 110 or permission of instructor.

**ARH 311 Medieval and Romanesque Art 3**

Art and architecture of Western Europe from ca. 800 to ca. 1160.

**Prerequisites:** ARH 110 or ARH 111 or permission of instructor.

**ARH 312 Gothic Art 3**

Art in Europe from ca. 1160 to ca. 1400: architecture, sculpture, manuscript illumination, and mural painting.

**Prerequisites:** ARH 110 or ARH 111 or permission of instructor.

**ARH 321 Early Italian Renaissance Art, 1300-1480 3**

Italian Art from 1300-1480 with particular focus on painting and sculpture in Florence.

**Prerequisites:** ARH 111 or ARH 395 or permission of instructor.

**ARH 322 Art of the Italian High Renaissance and Maniera, 1480-1600 3**

Italian art from 1480 to 1600 with a particular focus on painting and sculpture from Rome, Venice, and Florence.

**Prerequisites:** ARH 111 or ARH 321 or ARH 395 or permission of instructor.

**ARH 339 Arts of Mexico and Aztlán 3**

Traces history of art/architecture in Mexico from indigenous resistance to 16th-century Spanish conquests to the present; national and global impact of Mexican artists; historical and contemporary understandings of what/where is Mexico and Aztlán; intersectionality of Mexican identity (mestizaje, indigenismo, criollismo, Afro-Mexicanidad); uses primary documents, leading-edge scholarship, artist talks, site visits.

**Prerequisites:** ARH 110 and ARH 111.

**ARH 340 European Art in the Eighteenth Century 3**

A survey of European art media, practice, theory, and issues surrounding patronage during the century.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor.

**ARH 345 European Art in the Nineteenth Century 3**

Painting, sculpture, and architecture from 1800 to 1900.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor .

**ARH 346 Art in the Global 19th Century 3**

Study of artistic practices across geographies in the nineteenth century as interwoven global phenomenon, with particular attention to changing social structures, technological developments, and imperialist power systems.

**Prerequisites:** ARH 111.

**ARH 347 American Art 3**

Historical development of art in the United States including the colonial period. Painting and architecture emphasized.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor.

**ARH 348 Native Arts of North America 3**

Study of Indigenous art practices across North America both past and present with attention to issues of settler colonialism, cross-cultural contact / exchange, sovereignty, and resistance.

**Prerequisites:** ARH 111.

**ARH 349 Art and Politics of the United States 3**

An interdisciplinary seminar combining analysis of the relationship between contemporary art and politics with community engagement via public-facing projects and discussions.

**Prerequisites:** ARH 110, ARH 111, ARH 353.

**Notes:** Same as PSC 307.

**ARH 350 History of Photography 3**

A lecture course in the exploration of the photographic image, how it was produced, how it has evolved, and the work of the photographers who make it an art.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor .

**ARH 351 Architecture in the Twentieth Century 3**

The components of style, theory, structure, and material as embodied in the architecture of the century.

**Prerequisites:** ART 100 or ARH 111 or ARH 200 or permission of instructor .

**ARH 352 Early Twentieth-Century Art 3**

Painting, sculpture, architecture, and other media from 1900 to World War II.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor .

**ARH 353 Late Twentieth-Century Art 3**

Traditional and new media in the last half of the century.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor .

**ARH 354 Art Since 2000 3**

A global survey of traditional and new media art practices from the year 2000 to the present.

**Prerequisites:** ART 100 or ARH 111 or permission of instructor.

**ARH 356 Contemporary Art of the Americas 3**

Regional, national, and transnational currents of art of the Americas (including the Caribbean and colonial holdings and territories) since the late 1960s. Interactive lecture.

**Prerequisites:** ARH 110 and ARH 111.

**ARH 358 History of Performance, Interdisciplinary, and Social Practice Art 3**

Global study of the histories of art based in performance, embodied installation, participation, social practice, and art between or across these mediums since the late 1950s.

**Prerequisites:** ARH 111.

**ARH 359 Art and/as Social Justice 3**

Traces how artists and artworks have directly and indirectly participated in social initiatives or movements for equity, inclusion, and justice. Era, mediums, and geographic scope variable.

**ARH 360 Women Artists of Disney and Pixar Animation 3**

Study of the artistic production of women artists of the Walt Disney and Pixar Animation Studios.

**Prerequisites:** ARH 210 or permission of the instructor.

**ARH 361 Art and Collaboration at Pixar 3**

In-depth study of the collaborative process of Pixar Animation Studios, its dynamics, and the artwork produced within this process for the purposes of creating a feature-length film.

**Prerequisites:** ARH 210 or permission of the instructor.

**ARH 370 African Art: Ancient Empires to Colonial Contact 3**

Survey of the visual arts of Africa prior to and during colonialism. Divided into regional units stressing the religious and social functions of art and the dynamism of cultural change.

**Prerequisites:** ARH 110 or ARH 111 or permission of instructor.

**ARH 371 The TransAtlantic: Cross-Cultural Representations 3**

Beginning with the colonization of the Americas, a chronological and topical analysis of art from Africa, the Americas, and Europe. Major themes: history of slavery, African diasporic religions, African tourism.

**Prerequisites:** ARH 112 or ARH 347 or ARH 352 or ARH 353 or ARH 370 or ADS 200 or HIS 204 or HIS 301 or permission of instructor .

**ARH 372 African Art: Modern and Contemporary 3**

Survey of the visual arts of Africa in the modern and contemporary periods. Course is divided into chronological units beginning with the multiple modernisms that emerged during the twentieth century and moving into the contemporary period.

**Prerequisites:** ARH 112 or ADS 200 or permission of instructor.

**ARH 380 Introduction to Art Museum Studies 3**

Introduces the functions of key art museum departments (Administration, Curatorial, Registration, Preparation/Installation, Education, Marketing, and Visitor Services/Security) and examines how they intersect to develop exhibitions, engage visitors, and build audiences.

**Prerequisites:** AAD 202 or ENT 202.

**Notes:** Same as AAD 380.

**ARH 381 Intro to Art Museum Collections 3**

For students interested in working in art museums. Topics include collection care, development, and utilization as well as museum organizational structures. Assignments include readings, discussions, lectures, and field trips.

**Prerequisites:** AAD 380/ARH 380 with a minimum grade of C.

**Notes:** Same as AAD 381.

**ARH 390 Variable Topics in Art History 3**

Variable topics in the history of art and its institutions.

**Prerequisites:** ART 110 or ARH 111 or ARH 112 or permission of instructor.

**Notes:** Students may repeat this course for credit for up to 6 credit hours, upon permission of instructor when topic varies.

**ARH 395 Florence and the Medici 3**

On-site study of art and architecture commissioned by the Medici between 1400 and 1621. Offered only during The Art of Italy program.

**Prerequisites:** Acceptance to The Art of Italy program. ART 100 or ARH 111 or permission of instructor.

**ARH 400 Special Problems: Independent Study in Art History and Criticism 3**

Directed program of reading and research.

**Prerequisites:** 15 s.h. of art history and criticism and approval of instructor .

**ARH 401 Special Problems: Internship in Museum Studies 3**

Directed program of reading, research, or curatorial projects in the Weatherspoon Art Museum and other museums.

**Prerequisites:** 15 s.h. art history/criticism and approval of instructor.

**Notes:** May be repeated once for credit when topic varies.

**ARH 405 Research Topics in Art 3**

Topic-based seminar in art history and/or curatorial practices. Students acquire knowledge of current research on the selected topic, undertake related independent research, present findings in oral and written forms.

**Prerequisites:** 12 s.h. of art history above the 100 level including ARH 219, or permission of instructor .

**ARH 411 Topics in the History of Art 3**

Special topics in the history of art, ancient to contemporary.

**Prerequisites:** Completion of 15 or more undergraduate hours in Art History or graduate status in the Art Department or written permission of the instructor.

**ARH 412 Historiography and Methodology 3**

Case studies in the development of art history as a discipline and applied practice of methodologies developed for art-historical analysis.

**Prerequisites:** Graduate status in the Art Department, completion of 15 or more undergraduate hours in art history, or written permission of the instructor.

**ARH 413 Perspectives in Contemporary Art 3**

Seminar on artists whose work or writings have raised critical questions relevant to recent art. Open to MFA students and qualified undergraduates.

**Prerequisites:** Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

**ARH 414 Salon to Biennale and Beyond 3**

A seminar on the development and transformation of art worlds and urban spaces with a specific focus on the development of Salons, Biennales, World's Fairs, and Art Fairs.

**Prerequisites:** Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

**ARH 490 Art Museums and Exhibition Spaces 3**

A study of the diverse operations and institutional missions of art museums, including management, governance, development, collections management, education, and curatorial activities.

**Prerequisites:** One of the following: ARH 219, ARH 300X, ARH 302, ARH 310, ARH 311, ARH 312, ARH 321, ARH 322, ARH 340, ARH 345, ARH 346, ARH 347, ARH 348, ARH 349, ARH 350, ARH 351, ARH 352, ARH 353, ARH 354, ARH 358, ARH 359, ARH 360, ARH 361, ARH 370, ARH 371, ARH 372, ARH 390 or permission of instructor.

**ARH 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**ARH 500 Traditions of Art Criticism 3**

A study of the major critical traditions from the Italian Renaissance to the present, aiming to define the role of criticism in the production and reception of works of art.

**Prerequisites:** Completion of 15 or more undergraduate hours in Art History or graduate status in the Art Department or written permission of the instructor .

**ARH 501 Topics in the History of Art 3**

Special topics in the history of art, ancient to contemporary.

**ARH 503 Perspectives in Contemporary Art 3**

Seminar on artists whose work or writings have raised critical questions relevant to recent art. Open to M.F.A. students.

**Prerequisites:** Completion of 15 or more undergraduate credits in art history, graduate status in the Art Department, or written permission of the instructor.

**ARH 504 Salon to Biennale and Beyond 3**

A seminar on the development and transformation of art worlds and urban spaces with a specific focus on the development of Salons, Biennales, World's Fairs, and Art Fairs.

**Prerequisites:** Completion of 15 or more undergraduate hours in art history, graduate status in the Art Department, or written permission of the instructor.

**ARH 505 Color and Culture: Histories of Hue and Perception 3**

Explores the ramifications of hue and visual perception as freighted cultural, historical, epistemological, and aesthetic categories. Lines of inquiry include the economic histories of pigments and dyestuffs, which have yielded connections between artists across borders, as well as violent imperial control.

**Prerequisites:** M.F.A. in Studio Arts student or written permission of the instructor.

**ARH 601 Public Art 3**

Study of traditional monuments, such as the pyramids, Michelangelo's David, and recent large-scale works, including the Vietnam Memorial, with attention to questions of site, scale, purpose, and audience.

**ARH 619 Research Problems in Art History, Art Criticism 3**

Independent research in art history or criticism. May be repeated for credit.

## Arts Administration (AAD)

**AAD 202 Arts Admin and Entrepreneurship 3**

Introduces foundational skills for successful management, launching and growth of arts organizations. Topics include strategy, organizational structure, new venture launch, entrepreneurship, market analysis, marketing, fundraising and audience engagement.

**Notes:** Same as ENT 202.

**AAD 301 Arts Management 3**

Introduction to arts management for nonprofit arts organizations. Topics include arts programming, program evaluation, marketing, fundraising, and nonprofit structures in the arts. Students develop their communication and professional skills.

**Prerequisites:** Grade of C or better in AAD 202/ENT 202.

**AAD 310 Managing and Leading in the Arts 3**

Students will learn about their own work style and best practices of leading and managing people and teams in the specific context of arts and creative organizations.

**Prerequisites:** Grade of C or better in AAD 301 or permission of instructor.

**AAD 320 Arts Marketing 3**

Marketing, sales and public relations strategy, planning and tactics for arts organizations and businesses.

**Prerequisites:** AAD 301 with a minimum grade of C.

**AAD 321 Fundraising in the Arts 3**

Fundraising strategy, planning and tactics for arts organizations including grant research and writing, solicitation and donor retention tactics.

**Prerequisites:** Grade of C or better in AAD 301.

**AAD 360 Introduction to Community Arts 3**

This course introduces students to the history and theory of community arts, frameworks for building collaborative relationships and shared leadership in community, and current community arts projects around the world.

**Prerequisites:** Sophomore standing or above.

**AAD 376 Micro-Enterprise for Creatives 3**

Introduces foundational skills for micro-enterprise in the arts and creative industries aimed towards, but not exclusive to, visual artists, designers, and creative makers. Topics include venture analysis, business modeling, prototyping, financial/legal/structures, and market testing.

**Notes:** Same as ENT 376.

**AAD 380 Introduction to Art Museum Studies 3**

Introduces the functions of key art museum departments (Administration, Curatorial, Registration, Preparation/Installation, Education, Marketing, and Visitor Services/Security) and examines how they intersect to develop exhibitions, engage visitors, and build audiences.

**Prerequisites:** AAD 202 or ENT 202.

**Notes:** Same as ARH 380.

**AAD 381 Intro to Art Museum Collections 3**

For students interested in working in art museums. Topics include collection care, development, and utilization as well as museum organizational structures. Assignments include readings, discussions, lectures, and field trips.

**Prerequisites:** AAD 380/ARH 380 with a minimum grade of C.

**Notes:** Same as ARH 381.

**AAD 450 Careers in Arts Administration 3**

Exploration of career paths and career planning for students entering the arts administration field. Students will practice speaking skills and other communication skills.

**Prerequisites:** Grade of C or better in AAD 301. Arts Administration majors or minors only; or permission of instructor.

**AAD 455 Arts and Entrepreneurship: Career Strategies for Artists 3**

Overview of professional performing arts career management tools. Students learn the basics of applying entrepreneurship skills and strategies to starting and sustaining an arts-related business.

**Prerequisites:** ARAD, DANC, DRAM, MEDU, MUSI, or PRFM major. or permission of instructor;

**Notes:** Same as DCE 455, ENT 455.

**AAD 475 Independent Study 1-3**

Independent directed study or research in arts administration with faculty supervision in area of special interest.

**Prerequisites:** AAD 202/ENT 202 and AAD 301. Arts Administration major or minor AND permission of instructor.

**AAD 478 Variable Topics in Arts Administration 1-3**

Advanced level arts administration course with a topical focus.

**Prerequisites:** AAD 202/ENT 202.

**Notes:** May be repeated for up to 12 credits total.

**AAD 489 Developing and Managing Educational Programs for Arts Organizations 3**

Using a case study approach, students will learn about how education departments at arts organizations operate in the 21st century from both theoretical and practical perspectives.

**Prerequisites:** Must be majoring in a CVPA degree track or a School of Education degree track. Junior standing or above;

**Notes:** Same as THR 489.

**AAD 493 Honors Work 3-6**

Independent study course as required for Disciplinary Honors in Arts Administration. Student will complete Senior Honors Project.

**Prerequisites:** AAD 202/ENT 202 and AAD 301. Junior or senior Arts Administration major; Permission of instructor; Permission of Honors College; 3.30 GPA in the major; 12 s.h. completed in the major;

**Notes:** May be repeated for up to 6 credit hours.

**AAD 498 Internship in Arts Administration and Entrepreneurship 3**

Supervised work experience pre-approved that requires regularly scheduled hours in an entrepreneurial arts organization. The course meets online throughout the semester and requires reading, writing, and oral communication assignments.

**Prerequisites:** Grade of C or better in AAD 301 and permission of instructor.

**Notes:** Same as ENT 498. May be repeated once for credit.

## Astronomy (AST)

**AST 233 Astronomy: The Solar System 3**

Introductory study of the Sun and planets with special attention to results of recent planetary exploration missions. Telescopic and naked-eye observations of the planets and constellations included. Complements AST 235, although each course is independent of the other.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** None.

**Notes:** No science or math background beyond the level of high school algebra required.

**AST 235 Astronomy: Stars and Galaxies 3**

Introduction to stars, galaxies, and cosmology. Conceptual approach to topics including the evolution of stars, formation of galaxies, interstellar communication, and the Big Bang. Sky observations with UNCG telescopes included. Complements AST 233, although each course is independent of the other.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** None.

**Notes:** No science or math background beyond the level of high school algebra required.

## Bioinformatics (IAB)

**IAB 620 Introduction to Bioinformatics 3**

The class will introduce concepts and methods to analyze biological data including DNA sequence data, genome assembly and annotation, DNA sequence comparison, phylogeny construction and protein structure analyses.

**IAB 621 Bioinformatics 3**

A variety of concepts required to analyze biological data will be discussed. Sample topics include biological databases, sequence alignment, ontologies, reproducible science, etc.

**Prerequisites:** IAB 620 or permission of instructor.

**IAB 622 Advanced Bioinformatics 3**

Understanding key concepts and advanced tools in bioinformatics. Managing, manipulating, and analyzing biological data for genomics, haplotypes, data mining, transcriptomics, biological databases and ontologies, and hypothesis testing.

**Prerequisites:** IAB 620 or permission of instructor.

**IAB 689 Capstone Project in Bioinformatics 3**

Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.

## Biology (BIO)

**BIO 100 Orientation to the Biology Major 1**

Introduction to the Biology major at UNCG. What it means to be a Biology major at UNCG, in our community, and as a career.

**BIO 105 Major Concepts of Biology 3**

Introduction to major concepts in biology. Topic sections emphasize specific areas including conservation biology, biotechnology, and current issues. Survey sections emphasize basic aspects of biology, including genetics, physiology and ecology. For students not planning to take additional biology courses.

**MAC:** MAC CritThink Nat Sci

**Corequisites:** BIO 105L.

**Notes:** Students who have prior credit for BIO 111, BIO 112 may not take BIO 105 for credit.

**BIO 105L Major Concepts of Biology Laboratory 1**

Designed to acquaint non-science majors with the process of scientific inquiry and major ideas in biology, including function of cells, the human body, mechanisms of heredity, ecology, and evolution. Online sections must have previously passed or be concurrently enrolled in online lecture.

**Corequisites:** BIO 105.

**BIO 110 Introduction to Biology 3**

An introduction to the principles of biology, including the molecular and cellular basis of life, genetics, and biotechnology.

**Prerequisites:** Pre-Nursing or Nursing major or permission of instructor.

**Notes:** Students may not receive credit for both BIO 110 and BIO 111.

**BIO 111 Principles of Biology I 3**

Prerequisite for most other biology courses. Lecture covers the fundamental principles of biology including the molecular and cellular basis of life, genetics, and biotechnology.

**MAC:** MAC CritThink Nat Sci

**Corequisites:** BIO 111L or permission of instructor.

**Notes:** May not be taken more than twice.

**BIO 111L Principles of Biology I Laboratory 1**

Laboratory supporting BIO 111. Prerequisite or

**Corequisites:** BIO 111.

**BIO 112 Principles of Biology II 3**

Prerequisite for 300-level courses and above. Fundamental principles of biology including botany, zoology, evolution, and ecology. A passing grade in lecture and laboratory must be achieved for successful completion of this course.

**MAC:** MAC Nat Sci Data Analysis

**Corequisites:** BIO 112L.

**Notes:** May not be taken more than twice.

**BIO 112L Principles of Biology II Laboratory 1**

Laboratory supporting BIO 112. Prerequisite or

**Corequisites:** BIO 112.

**BIO 271 Human Anatomy 3**

Human anatomy with study of skeletons, models, and anatomical preparations. Includes dissection of cat.

**Prerequisites:** A grade of C- or better in BIO 110 or BIO 111 and in BIO 111L.

**Corequisites:** BIO 271L.

**Notes:** May not be taken more than twice.

**BIO 271L Human Anatomy Laboratory 1**

Laboratory supporting BIO 271.

**Corequisites:** BIO 271.

**BIO 277 Human Physiology 3**

Human physiology with emphasis on homeostatic mechanisms.

**Prerequisites:** A grade of C- or better in BIO 110 or BIO 111 and in BIO 111L. and high school chemistry with grade of C or better;

**Corequisites:** BIO 277L.

**Notes:** May not be taken more than twice.

**BIO 277L Human Physiology Laboratory 1**

Laboratory supporting BIO 277.

**Corequisites:** BIO 277.

**BIO 280 Fundamentals of Microbiology 3**

General survey of microscopic life and its impact on medicine, public health, and the environment. Includes laboratory work with bacteria, emphasizing aseptic technique.

**Prerequisites:** A grade of C- or better in BIO 110 or BIO 111 and in BIO 111L, and successful completion of BIO 271, or BIO 277, or KIN 291, or KIN 292.

**Corequisites:** BIO 280L.

**Notes:** Students cannot receive credit for both this course and BIO 481. May not be taken more than twice.

**BIO 280L Fundamentals of Microbiology Laboratory 1**

Laboratory supporting BIO 280.

**Corequisites:** BIO 280.

**BIO 301 Principles of Ecology 3**

Introduction to fundamentals of ecology. Principles relating to populations, communities and ecosystems. Particular emphasis placed on the many dimensions of interdependence within ecosystems.

**Prerequisites:** Minimum grade of C- in BIO 111, BIO 111L, BIO 112, and BIO 112L, and completion of MAT 183, or MAT 184, or MAT 151, or MAT 190, or MAT 191, or MAT 196.

**BIO 315 Ecology and Evolution Laboratory 2**

This course is designed to help students understand, via hands-on activities, how species and populations evolve and how species and individuals interact with one another and with their environment.

**CIC:** CIC College Writing

**Prerequisites:** Either BIO 301 or BIO 330.

**Corequisites:** If not completed as a prerequisite, either BIO 301 or BIO 330.

**BIO 330 Evolution 3**

Fundamental principles of evolutionary biology, including processes and patterns of biological evolution and an overview of the historical and contemporary biodiversity resulting from evolution.

**Prerequisites:** Minimum grade of C- in BIO 111, BIO 111L, BIO 112, and BIO 112L, and completion of MAT 183, or MAT 184, or MAT 151, or MAT 190, or MAT 191, or MAT 196.

**BIO 355 Cell Biology 3**

Study of cellular organization and function. Fundamental biochemical properties, including cellular components, enzyme function, energetics, and metabolism studied in relation to cellular structure, membrane function, cell movement, and cytoplasmic compartments.

**Prerequisites:** Minimum grade of C- in BIO 111, BIO 111L, BIO 112, and BIO 112L. CHE 114 (or equivalent);

**Notes:** May not be taken more than twice.

**BIO 361 Biology and Conservation of Sea Turtles 3**

Students spend 2 weeks in July/August in Tortuguero, Costa Rica assisting with tagging and collecting data on nesting turtles. Seminar and N.C. field trip in spring.

**Prerequisites:** Minimum grade of C- in both BIO 111 and BIO 112 and permission of instructor.

**Notes:** May not be taken more than twice. Travel fees involved; see instructor for details.

**BIO 375 Cell Biology and Genetics Laboratory 2**

Laboratory and online course that integrates modern genetic, cellular, and molecular techniques and methods to understand the concept of the gene to phenotype in biology and human health.

**CIC:** CIC College Writing

**Prerequisites:** Either BIO 355 or BIO 392.

**Corequisites:** If not completed as a prerequisite, either BIO 355 or BIO 392.

**BIO 392 Genetics 3**

Concepts and principles of genetics, including Mendelian inheritance, linkage, the molecular basis of inheritance and gene expression, tools of genetic analysis, gene regulation, population genetics, and genetic diseases.

**Prerequisites:** Minimum grade of C- in BIO 111, BIO 111L, BIO 112, and BIO 112L, and completion of MAT 183, or MAT 184, or MAT 151, or MAT 190, or MAT 191, or MAT 196.

**BIO 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**BIO 401 Advanced Topics in Animal Ecology 3**

Directed readings in the literature of physiological ecology, growth and regulation of populations, community structure, energy flow, mineral cycling, and other areas of current research interest.

**Prerequisites:** Permission of instructor.

**BIO 402 Advanced Topics in Animal Physiology 3**

Study of physiological mechanisms; selected problems from current literature.

**Prerequisites:** Permission of instructor.

**BIO 406 Advanced Topics in Genetics 3**

Basic mechanisms of gene action in microbes, animals, and plants.

**Prerequisites:** Permission of instructor.

**BIO 407 Advanced Topics in Neurobiology 3**

Directed readings on fundamental physiological principles of nervous system functioning. Topics may include motor pattern generation, sensory transduction, sensori-motor integration, neurohormonal modulation of behavior.

**Prerequisites:** Permission of instructor.

**BIO 409 Advanced Topics in Microbiology 3**

Critical review of current research covering a wide range of topics including infectious diseases, bacterial physiology, marine microbiology, and immunology. Focus on students' interests or needs.

**Prerequisites:** Permission of instructor.

**BIO 410 Advanced Topics in Plant Ecology 3**

Studies of special terrestrial communities or plant groups.

**Prerequisites:** Permission of instructor.

**BIO 418 Computational Biology 3**

The class will introduce concepts and methods to analyze biological data including DNA sequence data, genome assembly and annotation, DNA sequence comparison, phylogeny construction and protein structure analyses.

**Prerequisites:** BIO 330 and BIO 392.

**BIO 419 Introduction to Nanotechnology 3**

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

**Prerequisites:** BIO 392, BIO 355, CHE 342, CHE 351, or permission of instructor.

**Notes:** Same as NAN 419.

**BIO 420 Marine Biology 3**

An introduction to marine organisms and their habitats; special attention given to adaptations necessary for marine life, physical oceanography, and basic ecological principles; one weekend coastal field trip is required.

**Prerequisites:** One of BIO 301, BIO 330, BIO 355, or BIO 392.

**BIO 421 Ecosystem Ecology and Biogeochemistry 3**

Introduction to ecosystem function, structure, and dynamics; basic ecosystem theories; discussions of key processes governing energy flow and nutrient cycling; comparison of ecosystems; selected original literature.

**Prerequisites:** BIO 301 or permission of instructor.

**BIO 422 Plant Diversity 4**

Introduction to plant, fungi, and protista kingdoms. Emphasis is on structure, reproduction, and life cycles of the organisms.

**Prerequisites:** BIO 330 or BIO 301 or BIO 392.

**Notes:** Passing grade in lecture must be achieved for successful completion of this course. May not be taken more than twice.

**BIO 422L Plant Diversity Lab 0**

Introduction to plant, fungi, and protista kingdoms. Emphasis is on structure, reproduction, and life cycles of the organisms. Passing grade in lecture must be achieved for successful completion of course. NOTE: Students cannot receive credit for both BIO 322 and BIO 422. (LAB)

**BIO 423 Landscape Ecology Laboratory 1**

Field labs to observe different landscape structures and conduct course projects for comprehending principles of landscape ecology. Students will use computer labs for GIS basics, landscape analyses.

**Prerequisites:** BIO 301.

**Corequisites:** BIO 427.

**BIO 424 Plant Physiology and Biotechnology 3**

This course will cover: 1) the study of plant cells and functions, 2) transport processes in plants, 3) plant metabolism, 4) plant cellular signaling due to endogenous chemicals and environment, 5) plant development, and 6) plant adaptation to environment. Additionally, students will practice how to communicate science effectively through in-class discussions and oral presentations.

**Prerequisites:** BIO 355, BIO 375, and BIO 392.

**Corequisites:** BIO 424L.

**BIO 424L Plant Physiology and Biotechnology Lab 1**

This course will cover 1) Plant membranes and transport processes, 2) water potentials and transpiration, 3) plant nutrition and mineral deficiency, 4) plant composition analysis (macro and micronutrients and proteins), 5) the pigments of chloroplast, 6) measurement of photosynthesis and respiration, 7) the effect of chemicals and hormones on seed germination and plant growth and development, 8) Agrobacterium-mediated transformation of model plants, 9) Validation of transgenic plants using molecular techniques. Students will gain hands-on experience in plant physiology research. They will also develop data interpretation and report writing skills.

**Prerequisites:** BIO 355, BIO 375, and BIO 392.

**Corequisites:** BIO 424.

**BIO 425 Biological Clocks 3**

Descriptive survey of behavioral and physiological rhythms in humans and other animals, including circadian, tidal, lunar, seasonal and circannual cycles, with ecological considerations and implications for human health.

**Prerequisites:** One of BIO 301, BIO 330, BIO 355, BIO 392.

**BIO 426 Conservation Biology 3**

Introduction to habitat and species conservation; topics include genetic diversity, demographic patterns of rare species, habitat fragmentation, design and management of nature reserves, ecological restoration.

**Prerequisites:** BIO 301 and BIO 392. STA 271 recommended.

**BIO 427 Landscape Ecology 3**

Introduction to patch-corridor-matrix structure of landscapes and their impact on ecological processes. Discussion of landscape indices, spatial heterogeneity, current issues, and general approaches in landscape ecology.

**Prerequisites:** BIO 301. STA 271; recommended

**Corequisites:** BIO 423.

**BIO 428 Microbial Ecology 3**

Emphasis on current areas of active research with reference to applied problems.

**Prerequisites:** BIO 280 or BIO 481, or permission of instructor.

**BIO 429 Aquatic Ecology 3**

The study of the geology, physics, chemistry, and ecology of lakes, including reservoirs and streams with comparisons to the ocean.

**Prerequisites:** BIO 301 and CHE 114, or permission of instructor.

**BIO 431 The Biosphere 3**

A study of environmental issues in biology, specifically ecosystems, population dynamics, biodiversity and extinction.

**Prerequisites:** BIO 301.

**BIO 432 Aquatic Ecology Laboratory 1**

Practical study of water chemistry methods, lake and stream morphometry, identification of freshwater zooplankton, benthic invertebrates and fish, and field trips to area reservoirs and streams.

**Prerequisites:** BIO 301.

**Corequisites:** BIO 429.

**BIO 435 Biochemistry: Metabolic Regulation in Health and Disease 3**

Chemical properties of major cellular compounds; biosynthesis, degradation, and function of carbohydrates, lipids, proteins, nucleic acids, vitamins, and hormones; energy metabolism; enzymatic catalysis.

**Prerequisites:** BIO 355 and BIO 392. or permission of instructor.

**BIO 436 Biology of Aging 3**

An integrative look at biological theory and mechanisms to explain the diversity of the aging process, including human implications.

**Prerequisites:** BIO 301, BIO 355, BIO 392, or permission of instructor.

**BIO 437 Human Evolutionary Genetics 3**

Study of primary literature testing hypotheses about human ancestry and evolution using molecular genetic methods.

**Prerequisites:** BIO 330 and BIO 392, or permission of instructor.

**BIO 438 Animal Behavior 3**

Application of theory of evolution to the explanation of animal behavior. Surveys a variety of species, addressing several behavioral categories as well as issues in sociobiology and human evolution.

**Prerequisites:** Grade of at least C- in PSY 230, concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 438L or PSY 438 or BIO 439. Same as PSY 438.

**BIO 441 Invertebrate Zoology 3**

Major invertebrate groups with emphasis on their phylogenetic relationships, ecology, physiology, evolution, and structural adaptations of representative types. Weekend coastal field trip may be required.

**Prerequisites:** BIO 330.

**Notes:** Includes a laboratory component. May not be taken more than twice; Students cannot receive credit for both BIO 341 and BIO 441.

**BIO 441L Invertebrate Zoology Laboratory 1**

Major invertebrate groups with emphasis on their phylogenetic relationships, ecology, physiology, evolution, and structural adaptations of representative types. Weekend coastal field trip may be required.

Prerequisite or

**Corequisites:** BIO 441.

**Notes:** Students cannot receive credit for both BIO 341 and BIO 441.

**BIO 442 Genes and Signals 3**

Investigates the regulation of gene expression in bacteria, yeast, and higher eukaryotes, and explores how such regulatory systems have evolved.

**Prerequisites:** BIO 355 and BIO 392.

**BIO 443 Biophysics 3**

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

**Prerequisites:** BIO 355, CHE 114, MAT 191, and either PHY 211 with PHY 212 or PHY 291 with PHY 292, or permission of instructor;

**Notes:** Same as PHY 443.

**BIO 444 Entomology 3**

A theoretical and practical overview of the insect orders, selected topics of insect behavior, ecology, and evolution, and an introduction to human-insect interactions. BIO 392 and BIO 441 recommended.

**BIO 445 Disease Ecology 4**

Understanding and managing emerging infectious diseases, primarily zoonotic, using an ecologically-based approach. Students learn theory and skills in the epidemiology and ecology of infectious diseases.

**Prerequisites:** BIO 301 or written permission of instructor.

**Notes:** Includes a laboratory component.

**BIO 446 Evolutionary Medicine and Paleopathology 6**

Evolutionary Medicine is a framework for understanding human health that employs evolutionary theory and paleopathological methods and data. Paleopathology is an interdisciplinary, epidemiological analysis of historical human health contextualized within particular social and cultural environments. This field course introduces students to theory, methods, and practical research in these fields.

**Prerequisites:** C grade or higher in BIO 271 or BIO 277, and/or permission of instructor.

**BIO 449 Current Topics in Biology 1-3**

Advanced topics courses in the biological sciences. Topics vary with instructor.

**Prerequisites:** Minimum grade of C- in both BIO 111 and BIO 112 and permission of instructor.

**BIO 449C Current Topics in Biology: Neuron / Behavior 1-3**

Advanced topics courses in the biological sciences. Topics vary with instructor.

**BIO 451 Vascular Plant Systematics 4**

Principles, methods, and the history of systematic biology are covered in the context of vascular plant classification and evolution.

**Prerequisites:** BIO 330 or BIO 301 or BIO 392.

**Corequisites:** BIO 451L.

**Notes:** Passing grade in lecture must be achieved for successful completion of this course. May not be taken more than twice.

**BIO 451L Vascular Plant Systematics Lab 0**

Principles, methods and the history of systematic biology are covered in the context of vascular plant classification and evolution. Passing grade in lecture must be achieved for successful completion of course. (LAB)

**BIO 452 Metamorphosis 3**

Readings, discussions, and oral presentations of current literature on metamorphosis in animals, mechanisms controlling metamorphosis, evolution of complex life cycles, and adaptations to differing habitats.

**Prerequisites:** Three courses selected from BIO 301, BIO 322, BIO 341, BIO 355, BIO 370, BIO 392, or permission of instructor.

**BIO 453 Vertebrate Morphogenesis 3**

Vertebrate development focused on cellular and molecular mechanisms of induction, differentiation, and morphogenetic processes that give rise to the adult body plan. Laboratory includes study of vertebrate embryos and adult specimens.

**BIO 453L Vertebrate Morphogenesis Laboratory 1**

Laboratory supporting BIO 453. Prerequisite or

**Corequisites:** BIO 453.

**BIO 455 Vertebrate Reproduction 3**

An advanced treatment of the diversity of vertebrate reproductive biology, with emphasis on structural, regulatory, behavioral, and evolutionary aspects.

**Prerequisites:** One of BIO 277, BIO 425, BIO 453, BIO 464, BIO 470, or BIO 477.

**BIO 456 Global Change 3**

This class will cover (1) the causes of anthropogenic global change, (2) the consequences for biological and ecological processes, and (3) ecology and biotechnology-based solutions for mitigating and adapting to this new world. Students will read and discuss the primary literature on global change as well as explore policy makers' perspectives. Additionally, students will practice how to communicate science effectively through in-class discussions and debates, written assignments, and multiple in-class oral presentations.

**Prerequisites:** BIO 301 or permission of instructor.

**BIO 460 Symbiosis 3**

Symbioses are intimate associations involving two or more species. Symbiotic associations are widespread in nature and we can expect to find them in every type of ecological niche. This course will cover the diversity of symbiotic interactions that exist between both microbes and fungi and various eukaryotic hosts, including plants, animals, and protists, as well as other microorganisms. This course will also include writing, presenting, and reviewing published work on various symbioses.

**Prerequisites:** BIO 330 and BIO 392.

**BIO 464 Developmental Biology 3**

A survey of developmental processes in plants and animals. Topics will include fertilization, achievement of multicellularity, cell determination and differentiation, pattern development, and the genetic regulation of such processes.

**Prerequisites:** C (2.0) or better in BIO 355 and BIO 392.

**BIO 464L Developmental Biology Laboratory 1**

Laboratory supporting BIO 464. Prerequisite or

**Corequisites:** BIO 464.

**BIO 470 Vertebrate Zoology 3**

Evolution of major vertebrate groups with emphasis on morphology, ecology, and behavior. Comparisons of vertebrates in the laboratory through dissections and field work.

**Prerequisites:** BIO 330.

**Notes:** May not be taken more than twice. Students cannot receive credit for both BIO 370 and BIO 470.

**BIO 470L Vertebrate Zoology Laboratory 1**

Laboratory supporting BIO 470. Prerequisite or

**Corequisites:** BIO 470.

**BIO 472 Histology 3**

Microscopic anatomy of vertebrate tissues. Emphasis on correlation of cell and tissue functions with structures visible under the light and electron microscopes.

**Prerequisites:** BIO 355. Prerequisite or

**Corequisites:** BIO 472L.

**BIO 472L Histology Laboratory 1**

Laboratory supporting BIO 472. Prerequisite or

**Corequisites:** BIO 472.

**BIO 473 Drugs and the Brain 3**

Pharmacology of major neurotransmitter systems in the brain and nervous system. Actions of clinically relevant drugs on these systems will be analyzed along with major drugs of abuse.

**Prerequisites:** BIO 355, and one of the following: BIO 277, BIO 477, BIO 479, PSY 230. or permission of instructor;

**Notes:** CHE 351 recommended.

**BIO 474 Workshops in Biotechnology 1**

Individual, intensive four-week workshops focused on specific techniques in biotechnology. Provides hands-on experience designing and implementing a focused project utilizing current methods and bioinformatics.

**Prerequisites:** BIO 494 or permission of instructor.

**Notes:** May be repeated for credit as long as letter suffix of course differs: workshops of a given letter may be taken only once.

**BIO 476 Population Genetics and Molecular Evolution 3**

Application of population genetic and molecular evolutionary theory to the study of natural history, natural selection, genome variation and organization, human evolution, conservation biology, and forensics.

**Prerequisites:** BIO 330 and BIO 392. or permission of instructor.

**BIO 478 Hormones in Action 3**

Hormonal signaling in humans and other animals is examined using developmental, physiological, behavioral, cellular, and molecular perspectives, with special emphasis on the adrenal glands and the gonads.

**Prerequisites:** BIO 355 and BIO 392.

**BIO 479 Neurobiology 3**

Survey of major integrative mechanisms used by nervous systems from invertebrates to humans. Synaptic transmission, sensory processing and activity of neural circuitry controlling behavior will be analyzed.

**Prerequisites:** BIO 355.

**Notes:** PHY 212 or PHY 292 recommended.

**BIO 479L Neurobiology Laboratory 1**

Computer-based laboratory exercises to complement BIO 479 lecture material, including intracellular and extracellular recording simulations.

**Prerequisites:** Pr. or Coreq.: BIO 479.

**Notes:** PHY 212 or PHY 292 recommended.

**BIO 480 Environmental Physiology 3**

Lectures, discussions, and student presentations on the physiology of animals as it is influenced by and is adapted to environmental conditions.

**Prerequisites:** BIO 355 and either BIO 277 or BIO 477.

**BIO 481 General Microbiology 3**

Introductory survey of microbiology, emphasizing the role of microorganisms in everyday life.

**Prerequisites:** BIO 301, BIO 355, and BIO 392, or permission of instructor.

Prerequisite or

**Corequisites:** BIO 481L.

**BIO 481L General Microbiology Laboratory 1**

Laboratory supporting BIO 481. Prerequisite or

**Corequisites:** BIO 481.

**BIO 482 Molecular Biological Approaches in Research 1**

Use of novel molecular approaches to address current questions in the life sciences will be explored by analyzing recent research reports and learning the principles underlying these approaches.

**Prerequisites:** BIO 392.

**Notes:** May be repeated for a total of 3 s.h. credit.

**BIO 485 Virology 3**

Selected topics in virology. Emphasis upon new trends in the study of animal, plant, and bacterial viruses at both molecular and cellular levels.

**Prerequisites:** BIO 355 and BIO 392. or permission of instructor.

**BIO 486 Cell Cycle and Cancer 3**

Molecular basis of cell division and cancer examined through lectures and discussions of primary literature. Topics include cell cycle control, genomic stability, carcinogenesis, and cancer genetics.

**Prerequisites:** BIO 355 and BIO 392, or permission of instructor.

**BIO 487 Epigenetics 3**

Study of epigenetic mechanisms involved in chromatin structure, DNA and histone modifications, gene expression, dosage compensation, imprinting, heterochromatin structure, stem cell differentiation, development, human disease, and environmental-gene interactions.

**Prerequisites:** BIO 355 and BIO 392.

**BIO 488 Essentials of Toxicology 3**

This course is designed to introduce undergraduate students to the fundamentals of toxicology and serve as the key introductory course for students who require a background in toxicology.

**Prerequisites:** Grade of C- or better in BIO 111, BIO 112, BIO 301 and BIO 355, or permission of instructor.

**BIO 490 Introduction to Mathematical Models in Biology 3**

Exploration of research and methodology at the interface of mathematics and biology, with an overview of relevant fields and in-depth case studies. Focus will be on mathematical models in biology.

**Prerequisites:** Minimum grade of C- in BIO 111 and minimum grade of B- in BIO 112 and either MAT 191 or STA 271. or permission of instructor;

**Notes:** Same as MAT 460.

**BIO 492 Genetics of Complex Traits 3**

Theory, experimental methods, and analysis related to the genetic basis for variation in complex traits, including quantitative and threshold traits in animals and plants, and complex human diseases.

**Prerequisites:** BIO 392 or permission of the instructor.

**BIO 493 Honors Work 1-6**

Honors Work.

**Prerequisites:** Permission of instructor required.

**Notes:** A maximum of 6 s.h. total of any combination of BIO 493, BIO 496, BIO 497, or BIO 499 may be counted toward requirements for the Biology B.A. or B.S. degree.

**BIO 494 Introduction to Biotechnology 4**

Introduction to the principles and techniques of biotechnology. Includes molecular cloning, DNA sequencing, and gene expression. Explores topics such as gene amplification, gene therapy, and DNA fingerprinting.

**Prerequisites:** BIO 392 and BIO 375.

**BIO 495 Advanced Genetics 3**

Selected topics in genetics at an advanced level. Emphasis placed on comparative view of molecular mechanisms underlying animal and plant development.

**Prerequisites:** BIO 392.

**BIO 496 Science Pedagogy for Learning Assistants 1**

Students learn about current research in science pedagogy in a weekly seminar and apply their knowledge to support active learning and inquiry as in-class learning assistants in a biology course.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for a total of 2 s.h.. A maximum of 6 s.h. total of any combination of BIO 493, BIO 496, BIO 497, or BIO 499 may be counted toward the BIOL major.

**BIO 497 Internship in Biology 1-3**

Students work at site outside University for a minimum of 45–135 hours under direction of faculty and on-site supervisor. Times vary.

**Prerequisites:** Prior approval required.

**Notes:** A maximum of 6 s.h. total of any combination of BIO 493, BIO 496, BIO 497, or BIO 499 may be counted toward requirements for the Biology B.A. or B.S. degree.

**BIO 499 Undergraduate Research 1-3**

Biological research under the direction of a faculty member, culminating in a written report. Research will include laboratory and/or field work and/or directed readings of the literature. Times by arrangement.

**Prerequisites:** One of the following: BIO 301, BIO 330, BIO 355, or BIO 392, and permission of instructor;

**Notes:** A maximum of 6 s.h. total of any combination of BIO 493, BIO 496, BIO 497, or BIO 499 may be counted toward requirements for the Biology B.A. or B.S. degree.

**BIO 519 Introduction to Nanotechnology 3**

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

**Notes:** Same as NAN 519.

**BIO 600 Introduction to Graduate Studies 1**

Training in research ethics and oral-visual communication. Topics include plagiarism, experimental design, statistical interpretation, conflicts of interest, animal safety, authorship, peer review, and scientific presentations.

**Prerequisites:** Biology graduate student or permission of instructor.

**BIO 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**BIO 601 Seminar in Animal Ecology 3**

Literature of animal ecology including both classical and recent papers. Using student presentations and class discussions, the ontogeny of some overarching ecological themes are explored.

**Prerequisites:** BIO 301.

**BIO 605 Seminar in Ecology 3**

Broad view of ecological literature and in-depth studies of selected aspects of population and community ecology.

**Prerequisites:** Previous course in ecology.

**BIO 609 Seminar in Molecular Cell Biology 3**

Topics in cell and molecular biology will be reviewed through discussion of research journal articles. Emphasis on modern experimental techniques and approaches.

**Prerequisites:** BIO 355.

**BIO 610 Seminar in Molecular Genetics 3**

Recent advances in molecular genetics, reinforcing basic concepts underlying these developments and understanding their impact on the life sciences.

**Prerequisites:** BIO 355 and BIO 392.

**BIO 611 Advanced Topics in Animal Ecology 3**

Directed readings in the literature of physiological ecology, growth and regulation of populations, community structure, energy flow, mineral cycling, and other areas of current research interest.

**Prerequisites:** Permission of instructor.

**BIO 614 Prenatal Development: Embryology and Teratology 3**

Human embryological development with emphasis on normal and abnormal development. Issues in teratology and birth defects, clinical problems associated with birth defects and their means of prevention.

**Prerequisites:** Enrollment in MS genetic counseling program or permission of instructor.

**BIO 615 Advanced Topics in Animal Physiology 3**

Study of physiological mechanisms; selected problems from current literature.

**Prerequisites:** Permission of instructor.

**BIO 617 Advanced Topics in Genetics 3**

Basic mechanisms of gene action in microbes, animals, and plants.

**Prerequisites:** Permission of instructor.

**BIO 618 Computational Biology 3**

The class will introduce concepts and methods to analyze biological data including DNA sequence data, genome assembly and annotation, DNA sequence comparison, phylogeny construction and protein structure analyses.

**BIO 619 Plant Physiology 3**

This course will cover the study of plant cells and functions, transport processes in plants, plant metabolism, plant cellular signaling due to endogenous chemicals and environment, plant development, and plant adaptation to environment.

**Prerequisites:** Approval of the instructor.

**BIO 620 Ecosystem Ecology and Biogeochemistry 3**

Introduction to ecosystem function, structure, and dynamics; basic ecosystem theories; discussions of key processes governing energy flow and nutrient cycling; comparison of ecosystems; selected original literature.

**BIO 623 Landscape Ecology Laboratory 1**

Field labs to observe different landscape structures and conduct course projects for comprehending principles of landscape ecology. Students will use computer labs for GIS basics, landscape analyses.

**Corequisites:** BIO 627.

**BIO 624 Advanced Topics in Microbiology 3**

Critical review of current research covering a wide range of topics including infectious diseases, bacterial physiology, marine microbiology, and immunology. Focus on students' interests or needs.

**Prerequisites:** Permission of instructor.

**BIO 626 Conservation Biology 3**

Introduction to habitat and species conservation; topics include genetic diversity, demographic patterns of rare species, habitat fragmentation, design and management of nature reserves, ecological restoration.

**BIO 627 Landscape Ecology 3**

Introduction to patch-corridor-matrix structure of landscapes and their impact on ecological processes. Discussion of landscape indices, spatial heterogeneity, current issues, and general approaches in landscape ecology.

**Corequisites:** BIO 623.

**BIO 628 Microbial Ecology 3**

Emphasis on current areas of active research with reference to applied problems.

**BIO 629 Aquatic Ecology 3**

The study of the geology, physics, chemistry, and ecology of lakes, including reservoirs and streams with comparisons to the ocean.

**BIO 630 Advanced Topics in Plant Ecology 3**

Studies of special terrestrial communities or plant groups.

**Prerequisites:** Permission of instructor.

**BIO 635 Molecular Toxicology 3**

Molecular mechanisms involved in the toxicant-induced adverse health effects and discussion of molecular pathways altered in cells in response to environmental xenobiotic exposure.

**BIO 636 Ecotoxicology 3**

This course is designed to provide an in-depth understanding of the sources and transport of environmental pollutants, and their adverse ecological impacts.

**Prerequisites:** Introductory undergraduate-level course in Ecology or Environmental Sciences or equivalent or permission of the instructor.

**BIO 637 Human Evolutionary Genetics 3**

Study of primary literature testing hypotheses about human ancestry and evolution using molecular genetic methods.

**BIO 638 Aquatic Ecology Laboratory 1**

Practical study of water chemistry methods, lake and stream morphometry, identification of freshwater zooplankton, benthic invertebrates and fish, and field trips to area reservoirs and streams.

**Corequisites:** BIO 629.

**BIO 639 Biochemistry: Metabolic Regulation in Health and Disease 3**

Chemical properties of major cellular compounds; biosynthesis, degradation, and function of carbohydrates, lipids, proteins, nucleic acids, vitamins, and hormones; energy metabolism; enzymatic catalysis.

**BIO 640 Biology of Aging 3**

An integrative look at biological theory and mechanisms to explain the diversity of the aging process, including human implications.

**BIO 641 Stream Ecology 3**

Study of ecology and management of flowing water ecosystems. Topics such as community and ecosystem processes, major paradigms, management of point versus non-point pollutants, and restoration addressed.

**Prerequisites:** BIO 301 or equivalent.

**BIO 642 Genes and Signals 3**

Investigates the regulation of gene expression in bacteria, yeast, and higher eukaryotes, and explores how such regulatory systems have evolved.

**BIO 643 Biophysics 3**

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

**BIO 644 Entomology 3**

A theoretical and practical overview of the insect orders, selected topics of insect behavior, ecology, and evolution, and an introduction to human-insect interactions.

**BIO 645 Disease Ecology 4**

Understanding and managing emerging infectious diseases, primarily zoonotic, using an ecologically-based approach. Students learn theory and skills in the epidemiology and ecology of infectious diseases.

**Prerequisites:** Permission of instructor.

**Notes:** Includes a laboratory component.

**BIO 646 Advanced Topics in Neurobiology 3**

Directed readings on fundamental physiological principles of nervous system functioning. Topics may include motor pattern generation, sensory transduction, sensori-motor integration, neurohormonal modulation of behavior.

**Prerequisites:** Permission of instructor.

**BIO 648 Current Topics in Biology 1-3**

Advanced topics courses in the biological sciences. Topics vary with instructor.

**Prerequisites:** Permission of instructor.

**BIO 649C Current Topics: Neurons / Behavior 1-3**

Advanced topics courses in the Biological Sciences. Topics vary with instructor.

**Prerequisites:** Permission of Instructor.

**BIO 651 Vascular Plant Systematics 4**

Principles, methods, and the history of systematic biology are covered in the context of vascular plant classification and evolution.

**Corequisites:** BIO 651L.

**Notes:** Passing grade in lecture must be achieved for successful completion of this course. May not be taken more than twice.

**BIO 651L Vascular Plant Systematics Laboratory 0**

Principles, methods and the history of systematic biology are covered in the context of vascular plant classification and evolution.

**Notes:** Passing grade in lecture must be achieved for successful completion of course.

**BIO 652 Metamorphosis 3**

Readings, discussions, and oral presentations of current literature on metamorphosis in animals, mechanisms controlling metamorphosis, evolution of complex life cycles, and adaptations to differing habitats.

**BIO 655 Vertebrate Reproduction 3**

An advanced treatment of the diversity of vertebrate reproductive biology, with emphasis on structural, regulatory, behavioral, and evolutionary aspects.

**BIO 656 Global Change 3**

This course covers causes of anthropogenic global change, consequences for biological and ecological processes, and ecology- and biotechnology-based solutions for mitigating and adapting to this new world. Students will read and discuss the primary literature on global change, explore policy makers' perspectives, and practice how to communicate science effectively through in-class discussions and debates, written assignments, and multiple in-class oral presentations.

**Prerequisites:** Biology graduate student or permission of instructor.

**BIO 660 Symbiosis 3**

Symbiotic interactions of living organisms from an evolutionary perspective. Metabolic, genetic, behavioral, and ecological adaptations which allow symbioses to be formed and maintained will be discussed.

**BIO 673 Drugs and the Brain 3**

Pharmacology of major neurotransmitter systems in the brain and nervous system. Actions of clinically relevant drugs on these systems will be analyzed along with major drugs of abuse.

**BIO 674 Workshops in Biotechnology 1**

Individual, intensive four-week workshops focused on specific techniques in biotechnology. Provides hands-on experience designing and implementing a focused project utilizing current methods and bioinformatics.

**Notes:** May be repeated for credit as long as letter suffix of course differs. Workshops of a given letter may be taken only once.

**BIO 676 Population Genetics and Molecular Evolution 3**

Application of population genetic and molecular evolutionary theory to the study of natural history, natural selection, genome variation and organization, human evolution, conservation biology, and forensics.

**BIO 678 Hormones in Action 3**

Hormonal signaling in humans and other animals is examined using developmental, physiological, behavioral, cellular, and molecular perspectives, with special emphasis on the adrenal glands and the gonads.

**BIO 680 Environmental Physiology 3**

Lectures, discussions, and student presentations on the physiology of animals as it is influenced by and is adapted to environmental conditions.

**BIO 682 Molecular Biological Approaches in Research 1**

Use of novel molecular approaches to address current questions in the life sciences will be explored by analyzing recent research reports and learning the principles underlying these approaches.

**Notes:** May be repeated for a total of 3 credits.

**BIO 685 Virology 3**

Selected topics in virology. Emphasis upon new trends in the study of animal, plant, and bacterial viruses at both molecular and cellular levels.

**BIO 686 Cell Cycle and Cancer 3**

Molecular basis of cell division and cancer examined through lectures and discussions of primary literature. Topics include cell cycle control, genomic stability, carcinogenesis, and cancer genetics.

**BIO 687 Epigenetics 3**

Study of epigenetic mechanisms involved in chromatin structure, DNA and histone modifications, gene expression, dosage compensation, imprinting, heterochromatin structure, stem cell differentiation, development, human disease, and environmental-gene interactions.

**BIO 691 Genetics of Complex Traits 3**

Theory, experimental methods, and analysis related to the genetic basis for variation in complex traits, including quantitative and threshold traits in animals and plants, and complex human diseases.

**BIO 694 Advanced Genetics 3**

Selected topics in genetics at an advanced level. Emphasis placed on comparative view of molecular mechanisms underlying animal and plant development.

**BIO 695 Biological Research 1-6**

Student engages in advanced biological research under the supervision of a member of the Graduate Faculty.

**Notes:** Course may be repeated with a maximum of 9 hours credit counting toward the MS degree. Grade: Satisfactory/Unsatisfactory (S/U).

**BIO 698 Non-Thesis 3**

Capstone for completion of non-thesis option.

**Prerequisites:** Students must have at least 15 credits in 600-749 level courses and cannot enroll in BIO 695, BIO 801, or BIO 803.

**BIO 699 Thesis 1-6**

Individual research for the completion of a thesis.

**Prerequisites:** Successful presentation of thesis proposal to Biology Department.

**BIO 707 Seminar in Environmental Health Science 2**

Development of critical-thinking and writing skills through discussions and critiques of primary literature in environmental health science and through writing assignments.

**Prerequisites:** Biology graduate student or permission of instructor.

**BIO 708 Biostatistics 1 3**

Biological research requires competency in the concepts and methods used to statistically test hypotheses. Emphasis is on the representation, manipulation and hypothesis testing of biological data with R. Students will use statistical analyses to solve problems encountered in biological analyses, such as analyzing sequencing data, sampling bias and phylogenetic relatedness.

**BIO 709 Biostatistics 2 3**

The class will cover advanced concepts and methods to perform statistical tests on environmental and biological data, particularly those challenges that come with utilizing data that is collected from a non-laboratory (i.e. less controlled) setting.

**Prerequisites:** BIO 708 or permission of instructor.

**BIO 731 Environmental Health Science I: Ecosystems to Individuals 3**

Causes of environmental problems that society faces and the effects on ecosystem and community function and species survival. Implications for environmental and human health are explored.

**Prerequisites:** Biology graduate student or permission of instructor.

**BIO 732 Environmental Health Science II: Individuals to Molecules 3**

Introduction to fundamentals of toxicology with a focus on toxicological consequences of environmental perturbations on physiological and cellular processes, genome structure, and gene function.

**Prerequisites:** Biology graduate student or permission of instructor.

**BIO 733 Workshops in Environmental Health Science 1**

Individual six-week workshops focusing on analytical tools and experimental approaches used in freshwater/riparian ecosystem analysis, environmental genomics, environmental forensics, and cellular/physiological research.

**Prerequisites:** Biology graduate student or permission of instructor.

**BIO 734 Current Research in Environmental Health Science 1**

Weekly discussion of research journal articles in the area of environmental health science. Students will present and discuss research journal articles.

**Notes:** May be repeated for a total of 2 credit hours.

**BIO 749 Research Lab Rotations 1**

Course providing credit for participation in laboratory meetings and/or the initiation of preliminary research training in the labs of 1 to 3 potential dissertation or thesis advisors.

**Notes:** May be repeated for a total of 3 hours credit. Grading method is Satisfactory/Unsatisfactory (S/U).

**BIO 790 Directed Study in Environmental Health Science 1-6**

Advanced research in environmental health science under the direction of a graduate faculty advisor. Preparation of doctoral research proposal and planning for dissertation research.

**Prerequisites:** Admitted to PhD in environmental health science and approval of graduate faculty advisor.

**Notes:** May be repeated for a maximum of 12 hours credit counting towards the PhD degree. Grade: Satisfactory/Unsatisfactory (S/U).

**BIO 791 Independent Doctoral Research 1-6**

Independent research in environmental health science related to the student's primary area of research specialization leading to dissertation.

**Prerequisites:** Admitted to candidacy.

**Notes:** May be repeated for a maximum of 15 hours credit counting towards the PhD degree. Grade: Satisfactory/Unsatisfactory (S/U).

**BIO 799 Dissertation 1-18**

Individual research for the completion of the doctoral dissertation.

**Prerequisites:** Admitted to candidacy.

**Notes:** May be repeated for a maximum of 18 hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

**BIO 801 Thesis Extension 1-3**

Thesis Extension.

**BIO 802 Dissertation Extension 1-3**

Dissertation Extension.

**BIO 803 Research Extension 1-3**

Research Extension.

## Business Administration (BUS)

**BUS 105 Blueprint for Professional Success 2**

Establish business skills determined by employers as critical for success. Engage in professional development exercises. Explore academic opportunities to create student's personal and professional blueprint. **Prerequisites:** Open to first and second semester freshmen who are Majors in ACCT, BADM, CARS, ECON, ENTR, FINC, INTB, ISSC, MKTG, or STHP.

**BUS 115 Blueprint for Personal Development 1**

The first step toward becoming a successful business professional is establishing a sense of self. Students engage in personal development to expand their self-awareness and identify opportunities for personal growth.

**Prerequisites:** Open to first and second semester freshmen who are PACC, PBAD, CARS, ECON, ECOS, PENT, PFIN, PHTM, PINT, PISC, or PMKT.

**BUS 130 Entrepreneurship in a Sustainable Global Environment 3**

Global forces will restructure the world economy for the foreseeable future. Entrepreneurship, sustainability, and innovation will drive companies and individuals and produce major changes within that environment.

**MAC:** MAC Global and Intercultural

**Notes:** Same as ENT 130.

**BUS 201 Creativity, Innovation, and Vision 3**

Creativity and innovation is examined through an interdisciplinary lens. We examine how creative and innovative thinking gives us the vision to see opportunities and how they impact society.

**MAC:** MAC CritThink Soc and BehavSci

**Notes:** Same as ENT 201.

**BUS 206 Start Something Globally Sustainable! 3**

Students learn the basics of establishing a new business from idea to inception while identifying dynamic elements of culture and environmental systems through the finalized sustainable global business, esports application, and direct selling assignment. Students may have the opportunity for a loan to establish a viable business.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Same as ENT 206.

**BUS 215 Blueprint for Professional Development 1**

Students engage in personal development to expand their self-awareness and identify opportunities for personal growth, to begin building a professional portfolio, and develop employment related skills.

**Prerequisites:** BUS 115. Open to sophomores who are PACC, PBAD, CARS, ECON, ECOS, PENT, PFIN, PHTM, PINT, PISC, or PMKT.

**BUS 216 Blueprint for Personal and Professional Development 2**

Students will begin building a professional portfolio and engaging in topics designed to promote the development of skills determined by employers as critical for success.

**Prerequisites:** Restricted to sophomore, junior or senior students who are pre-admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, ECON, ECOS, PENT, ENTR, PFIN, FINC, PHTM, HTMT, PINT, INTB, PISC, ISSC, PMKT, or MKTG).

**Notes:** Students may not receive credit for both BUS 216 and either BUS 115 or BUS 215.

**BUS 240 Introduction to the Entrepreneurial Experience 3**

Introduction to the entrepreneurial experience including historical perspectives, the role of entrepreneurs in supporting the economy, the entrepreneurial process, venture creation, and innovation.

**Notes:** Same as ENT 240.

**BUS 300 Ideas to Sustainable Opportunities: Feasibility Analysis 3**

Provides the knowledge and skills to develop a sustainable feasibility plan for a new business venture that will be the basis for developing a business plan.

**Prerequisites:** ENT/FIN 200 or ACC 201. or permission of instructor;

**Notes:** Same as ENT 300.

**BUS 315 Global and Cultural Development 1**

This course facilitates team work, collaboration and cultural intelligence through a global team project. Students participate in activities to improve their professional skills and career readiness in a global environment.

**Prerequisites:** BUS 215 or BUS 216. concurrent enrollment in MGT 301 or previous credit for MGT 301; Junior standing; Students who are Majors in ACCT, BADM, CARS, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

**BUS 328 Organizational Leadership 3**

The course examines the theories and models of leadership.

Environmental pressures, organizational objectives, company culture, and individual ethical standards will be examined to incorporate the situational determinants of leadership effectiveness.

**Prerequisites:** Sophomore standing.

**BUS 336 Opportunities to Action: Business Plan 3**

Provides the knowledge and skills to develop a feasibility plan into a business plan for a new venture, which culminates in a business plan competition.

**Prerequisites:** BUS 300 or ENT 300.

**Notes:** Same as ENT 336.

**BUS 337 Family Business 3**

Overview of family business, including what is required for family harmony and business continuity.

**Notes:** Same as ENT 337.

**BUS 338 Global Franchising 3**

This course introduces the student to opportunities in franchising including becoming a franchisee or franchisor.

**Prerequisites:** ACC 201 or ENT 200/FIN 200.

**Notes:** Same as ENT 338, HTM 338.

**BUS 339 Entrepreneurial Leadership 3**

Leadership theories, skills, and practices necessary for effectiveness in varied entrepreneurial settings, including private businesses, corporations, not-for-profit organizations, and social movements.

**Notes:** Same as ENT 339.

**BUS 340 Social Entrepreneurship 3**

Introduction to social entrepreneurship including identification of social problems and how they are solved through innovation, community impact, sustainability, ethical, scalable, economic value creation, and risk-taking efforts including in direct selling.

**Notes:** Same as ENT 340.

**BUS 342 International Entrepreneurship 3**

Creation and management of business ventures with international dimensions are examined, and economic and formal/informal institutions affecting entrepreneurship are discussed.

**Notes:** Same as ENT 342.

**BUS 415 Leadership Development 1**

Students learn about the qualities of good leaders and demonstrate those qualities are exercised in a business environment with a specific focus on ethical and sustainable decision making.

**Prerequisites:** BUS 315. Open to Seniors who are Majors in ACCT, BADM, CARS, ECON, ECOS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**BUS 440 Social Entrepreneurship: Justice and a Green Environment 3**

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

**Prerequisites:** Upper-division undergraduate status.

**Notes:** Same as ENT 440, PCS 440, WGS 440.

**BUS 450 Directed Business Practice 3**

Planned work experience approved in advance by instructor. This is a web-based course that requires regularly scheduled work in an organization that sponsors your internship. In addition, the course requires reading, writing, and skill practice assignments.

**Prerequisites:** Junior standing and written permission of the instructor.

**Notes:** Open to all majors. Same as ENT 450.

**BUS 454 Coordination Work Based 3****BUS 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**BUS 494 Surv Bus/Mkt Education 3****BUS 495 Curr/Clsrm Org Bus/Mkt Prog 3****BUS 496 Sel Topics Bus/Mkt Educ 1-3****BUS 499 Selected Topics in Entrepreneurship 1-3**

Study of topics of common interest to those interested in entrepreneurship. Group discussion and study rather than independent study emphasized. Generally non-recurring topics studied.

**Prerequisites:** Junior standing. or permission of instructor

**Notes:** May be repeated for credit if the topic of study changes. Same as ENT 499.

**BUS 606 International Entrepreneurship 3**

This course is for students interested in starting, joining, or expanding international ventures. It examines dimensions affecting entrepreneurship, including modes of entry (direct selling, franchising, internet), economic, and formal/informal institutions.

**Notes:** Same as ENT 606.

**BUS 609 Franchising 3**

Develop knowledge and skills needed to succeed as a franchisee, franchisor, or franchise executive, including understanding the Franchise Disclosure Document and the role of entrepreneurship in franchising.

**BUS 614 Leadership in the International Environment 3**

Understanding and analyses of leadership and followership in an international context. Application of theoretical frameworks and provision of practical advice for leading across cultural boundaries and addressing international challenges.

**BUS 615 Global Business 3**

Principles, practices and processes of conducting businesses in the globalized environment.

**BUS 616 International Business Negotiations 3**

Provides theoretical principles and concepts that aid students in preparing for, performing in, and evaluating international business negotiations.

**BUS 617 International Strategy 3**

Examines key frameworks and theories in international strategy and their application to strategy practice and research.

**Prerequisites:** BUS 615 or permission of program director.

**BUS 618 International Collaboration Project I 3**

The course offers an opportunity to learn international collaboration through practice, an experiential exercise where the students complete an international business consulting project working in global virtual teams.

**Prerequisites:** BUS 622 or permission of program director.

**BUS 619 International Collaboration Project II 3**

Offers theoretical training and the opportunity to further develop international collaboration skills through practice by participating in an experiential learning exercise as a coach and manager of global virtual teams.

**Prerequisites:** BUS 618.

**BUS 621 Research Methods 3**

Familiarize students with inductive and deductive research in international business. Selecting a data gathering method, designing a survey/questionnaire, and sampling methods. Analyzing data and interpreting results to make international business decisions.

**BUS 622 Cross-Cultural Management 3**

Examines the effect of cultural differences on management in organizations. Provides students with an understanding of the challenges and opportunities in managing people from diverse cultural backgrounds at the workplace.

**BUS 623 International Marketing 3**

Issues in international marketing are addressed from both theoretical and experiential learning perspectives.

**BUS 624 Global Workforce Performance Management 3**

Examination of the broader areas of "Performance Management" in effective workforce management in the US and around the world.

**BUS 625 Training and Development of Human Resources 3**

Examines the role of training and development in business organizations. Explores training needs assessment techniques, determining training objectives, and choosing the appropriate training methods to successfully implement training programs that improve organizational efficiency and effectiveness.

**BUS 626 Managing Employee and Organizational Development 3**

Provides an overview of the roles of human resource managers as organizational effectiveness champions, employee champions, change agents, and internal consultants. Explores topics such as the importance of communication, leading change, employee engagement, managing teams, diversity and inclusion, corporate social responsibility, and improving organizational effectiveness.

**BUS 627 Global Human Resource Management 3**

Focuses on examining the unique challenges and opportunities presented by the increasing internationalization and multiculturalism of the workplace and the development of competences needed to effectively manage human resources in global cross-cultural contexts.

**BUS 628 Global Sustainability Management 3**

Provides an overview of concepts in sustainability management, sustainability strategies, stakeholder perspectives on sustainability management, and functional perspectives of sustainability management from a global perspective. Equips students with tools to implement sustainability management in a company and improve its sustainability performance.

**BUS 640 Experiences in Sustainable Entrepreneurship 3**

Interdisciplinary course in sustainable entrepreneurship. Exploration of models for designing and implementing entrepreneurial projects which respond to social, economic, environmental, and justice issues. Introduction to direct action and evaluation.

**Notes:** Same as ENT 640, WGS 640.

**BUS 695 Special Topics in International Business 3**

This course focuses on current trends and topics in international business.

**BUS 701 Doctoral Research Methods I (Quantitative Research Methods) 3**

Examines multivariate statistical techniques including exploratory factor analysis and principal components analysis, confirmatory factor analysis; moderation and mediation analysis; structural equation modeling and hierarchical linear modeling.

**BUS 702 Doctoral Research Methods II (Qualitative Research Methods) 3**

Discussion of the nature of qualitative research in organization studies. Discuss qualitative methodological approaches, and the design, implementation and publication of qualitative research.

**BUS 703 Doctoral Research Methods III (Applied Research Methods in Business) 3**

The application of quantitative and qualitative methods in conducting high quality research in business.

**Prerequisites:** BUS 701, BUS 702.

**BUS 705 Seminar in Academic Writing and Publishing 3**

Provides an in-depth review and understanding of academic and scholarly writing, explains the process of developing and publishing academic work, with the focus on publishing business research and scholarly work.

**BUS 720 Seminar in Organization Theory 3**

Examines the theory and research related to organizations, including theories that cross micro/macro boundaries and represent novel contributions from organizational perspectives; the history and development of research on organizations.

**BUS 721 Seminar in Organizational Behavior 3**

Classic and current theory in organizational behavior, including the role and effects of individual differences, perception, job design, groups, motivation, job satisfaction, organizational commitment, and other aspect of organizational design.

**BUS 722 Seminar in Organizational Leadership 3**

Provides an in-depth review of classic and modern theories and application of leadership and followership models in organizations, including critical examination of leadership in cross-cultural settings.

**Prerequisites:** BUS 721 or permission of the instructor.

**BUS 730 Seminar in International Business Theory 3**

Comprehensive overview of international business field, including theoretical and empirical approaches to the study of cross-border business, evolution of thought in international business, theory of the MNC, and contemporary perspectives.

**BUS 731 Seminar in Cross-Cultural Management 3**

An in-depth review of the theories, concepts, and practices of management across and in different cultures and investigates the impact of national cultures on management practice.

**BUS 740 Seminar in Strategic Management I 3**

Theories and concepts in strategic management including the examination of behavioral and economic approaches to strategy research and the relationship of other areas of research to strategy formulation and implementation.

**Prerequisites:** BUS 720.

**BUS 741 Seminar in Strategic Management II 3**

Examines theory and research on corporate level strategies and corporate governance.

**Prerequisites:** BUS 740 or permission of the instructor.

**BUS 750 Doctoral Research Methods IV (Regression Models) 3**

Techniques of estimating multivariate relationships. Discusses multiple regression and problems associated with single equation modeling, moderation and mediation analysis, structural equation modeling, and hierarchical linear modeling.

**BUS 789 Advanced Topics in Management 3-9**

This course focuses on current research topics such as corporate social responsibility, human resources management, international business, organizational behavior, strategic management, and sustainability.

**BUS 790 Doctoral Research Independent Study 1-3**

Individual work on research topics that are related to student's primary area(s) of specialization and research interest. Research conducted with faculty guidance and direction.

**BUS 799 Dissertation 1-18**

Students will finish a quality dissertation under the instruction of an instructor. The topic will fall within the field of general management. The instructor will determine the pedagogy.

**Prerequisites:** Permission of instructor.

**BUS 802 Dissertation Extension 1-3**

Dissertation extension.

# Chemistry and Biochemistry (CHE)

**CHE 101 Introductory Chemistry 3**

Survey of fundamentals of measurement, molecular structure, reactivity, and organic chemistry; applications to textiles, environmental, consumer, biological, and drug chemistry.

**MAC:** MAC Nat Sci Data Analysis

**Notes:** For elementary education, business, and liberal arts majors. Students cannot receive credit for both CHE 101 and either CHE 111 or CHE 103; CHE 110 is recommended as corequisite.

**CHE 103 General Descriptive Chemistry I 3**

Chemistry course for pre-health, pre-nursing, pre-kinesiology and students building a foundation for CHE 111. Topics include states of matter, atomic and molecular structure, stoichiometry, solutions, and nuclear chemistry.

**MAC:** MAC Nat Sci Data Analysis

**Corequisites:** CHE 110 must be taken concurrently unless student takes CHE 104 or CHE 111 later.

**Notes:** Not open to students who have already taken CHE 111.

**CHE 104 General Descriptive Chemistry II 3**

Applications of the principles introduced in CHE 103 to representative organic and biological systems. Topics include introductory organic and biochemical concepts.

**Prerequisites:** CHE 103 or permission of instructor.

**Corequisites:** CHE 110 must be taken concurrently unless taken with CHE 103.

**CHE 110 Introductory Chemistry Laboratory 1**

Designed to acquaint non-science majors with basic laboratory practices.

**Corequisites:** To be taken concurrently with either CHE 103 or CHE 104.

Also may accompany CHE 101.

**CHE 111 General Chemistry I 3**

Fundamental principles of chemistry, including stoichiometry, atomic structure, and states of matter.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** One year of high school chemistry or CHE 103. students lacking high school chemistry should take the sequence CHE 103, CHE 111, CHE 114; Prerequisite or

**Corequisites:** CHE 112.

**CHE 112 General Chemistry I Laboratory 1**

Laboratory work to accompany CHE 111. Prerequisite or

**Corequisites:** CHE 111.

**CHE 114 General Chemistry II 3**

Continuation of CHE 111 with attention to ionic equilibria, elementary kinetics and thermodynamics, acid-base theory, coordination chemistry, and electrochemistry.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** CHE 103, CHE 104, and CHE 110 with performance in each at the B level or higher, or CHE 111, CHE 112. Prerequisite or

**Corequisites:** CHE 115.

**Notes:** Designed primarily for science majors and is the prerequisite to upper level courses in chemistry.

**CHE 115 General Chemistry II Laboratory 1**

Laboratory work to accompany CHE 114.

**Prerequisites:** CHE 112 or equivalent. Prerequisite or

**Corequisites:** CHE 114.

**CHE 170 Engaging with Chemistry and Biochemistry 1**

Introduction to careers with a chemistry or biochemistry foundation, and to successful academic approaches to preparing for those careers.

**Prerequisites:** Chemistry or Biochemistry majors.

**CHE 191 Introduction to Research 1**

Introduction to the basic concepts of research, involving multistep experiments and discussion of research opportunities.

**Corequisites:** CHE 114.

**CHE 205 Introductory Organic Chemistry 3**

A course in organic chemistry designed for students whose programs require only one semester in this area.

**Prerequisites:** CHE 104, CHE 110. or CHE 114, CHE 115;

**Corequisites:** CHE 206.

**CHE 206 Introductory Organic Chemistry Laboratory 1**

Laboratory work to accompany CHE 205.

**Corequisites:** CHE 205 .

**CHE 252 Chemistry and the Human Environment 3**

Study of chemical problems central to current technological, biomedical, and environmental issues. Topics include energy alternatives, food chemicals, environmental chemistry, molecular basis of drug action, and consumer products.

**MAC:** MAC Health and Wellness

**Prerequisites:** CHE 101, CHE 104, or CHE 114 or permission of instructor.

**CHE 291 Sophomore Research 1-3**

Sophomore-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

**Prerequisites:** CHE 114 and CHE 115.

**Notes:** May be repeated for credit for up to 3 s.h.

**CHE 292 Sophomore Research 1-3**

Sophomore-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

**Prerequisites:** CHE 114 and CHE 115.

**Notes:** May be repeated for credit for up to 3 s.h.

**CHE 331 Quantitative Analysis 3**

Introduction to the theory and practice of volumetric and gravimetric methods of analysis.

**Prerequisites:** CHE 114, CHE 115.

**Corequisites:** All students must take CHE 333 concurrently unless they have previous credit for an equivalent course.

**CHE 333 Quantitative Analysis Laboratory 1**

Laboratory work to accompany CHE 331.

**CIC:** CIC College Writing

**Corequisites:** CHE 331 must be taken concurrently.

**CHE 342 Inorganic Chemistry I 3**

Introduction to theoretical principles, structure, and reactivity of main group metals and nonmetals and transition metals including industrial, bioinorganic and organometallic chemistry, and inorganic materials and nanomaterials.

**Prerequisites:** CHE 114.

**CHE 351 Organic Chemistry I 4**

Chemistry of aliphatic and aromatic compounds with attention to reaction mechanisms and synthetic applications, and the application of spectroscopy to structure determination.

**Prerequisites:** CHE 114.

**Corequisites:** CHEM and BCHE majors: CHE 353.

**Notes:** May not be taken more than twice.

**CHE 352 Organic Chemistry II 3**

Continuation of CHE 351 with attention to alcohols, ethers, aldehydes and ketones, carboxylic acids and derivatives, amines, lipids, carbohydrates, and organic spectroscopy.

**Prerequisites:** Grade of C or better in CHE 351.

**Corequisites:** CHEM and BCHE majors must take CHE 355 concurrently.

Other students must take CHE 354 concurrently unless they have previous credit for an equivalent course.;

**Notes:** May be repeated only once.

**CHE 353 Organic Laboratory Techniques 1**

Basic techniques for organic chemistry laboratory, with introduction of separation, characterization, and analysis of organic compounds including use of instrumental methods. To accompany CHE 351 for chemistry and biochemistry majors.

**Prerequisites:** CHEM or BCHE major. previous credit for CHE 351 or concurrent enrollment in CHE 351.

**CHE 354 Organic Chemistry Laboratory 1**

Laboratory work to accompany CHE 352.

**CHE 355 Intermediate Organic Chemistry Lab 2**

Advanced organic laboratory methods; modern reactions in synthesis; purification of compounds and characterization by spectroscopic instrumentation; qualitative organic analysis; chemical and biochemical literature; computational modeling; chemical database searching; safety resources.

**Prerequisites:** Chemistry or Biochemistry major. grade of C (2.0) or better in CHE 351 and CHE 353 or CHE 354;

**Corequisites:** CHE 352.

**CHE 391 Junior Research 1-3**

Junior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

**Prerequisites:** CHE 352 and CHE 353 (or CHE 354) or CHE 331 and CHE 333 and permission of instructor.

**Notes:** May be repeated for credit for up to three (3) credits.

**CHE 392 Junior Research 1-3**

Junior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

**Prerequisites:** CHE 352 with CHE 353 (or CHE 354) or CHE 331 with CHE 333. and permission of instructor;

**Notes:** May be repeated for credit for up to three (3) credits.

**CHE 401 Chemistry Seminar Introduction 0**

Preparation for seminar. Attendance at weekly seminars given by visiting speakers, faculty, and students.

**Prerequisites:** CHE 355 or CHE 372. CHEM or BCHE major; junior standing;

**Notes:** Grade: Pass/Not Pass (P/NP).

**CHE 402 Chemistry Seminar 1**

Oral reports and discussion of topics from the current chemistry literature by students, staff, and guest lecturers. Attendance at weekly seminars is required.

**Prerequisites:** CHE 401, senior standing.

**CHE 406 Introductory Physical Chemistry 4**

Study of the concepts basic to chemical kinetics, equilibrium, energetics, spectroscopy, solution phenomena, electrochemistry, and colloidal behavior with applications to biological systems. Theory of methods and instrumentation also examined.

**Prerequisites:** Two semesters of chemistry beyond general chemistry, MAT 292 or MAT 296, one year of physics.

**Notes:** Students cannot receive credit for both CHE 406 and CHE 461 toward an undergraduate degree.

**CHE 407 Introductory Physical Chemistry Laboratory 1**

Laboratory work related to CHE 406 with emphasis on mathematical treatment of experimental data and communication of results in report form.

**CIC:** CIC College Writing

**Corequisites:** CHE 406 .

**CHE 420 Chemical Principles of Biochemistry 3**

Introduction to major classes of biomolecules and to genetic and metabolic pathways in living systems; emphasis on chemical nature of biological processes and the driving forces that make them work.

**Prerequisites:** CHE 352. BIO 111 and BIO 112 strongly recommended.

**CHE 427 Introduction to Medicinal Chemistry 3**

The introduction to medicinal chemistry course introduces students to the process of drug discovery through an interdisciplinary look at the challenges faced in getting a small-molecule drug to market. After completing the introduction to drug discovery, students will learn about the medicinal chemistry of past, current, and future drug treatments.

**Prerequisites:** Grade of C or better in CHE 351 and CHE 352.

**CHE 431 Instrumental Analysis 3**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis.

**Prerequisites:** CHE 331, CHE 333, CHE 205 or CHE 352 (either may be taken concurrently), PHY 212 or PHY 292.

**CHE 433 Instrumental Analysis Laboratory 1**

Laboratory work to accompany CHE 431.

**CIC:** CIC College Writing

**Corequisites:** CHE 431 must be taken concurrently.

**CHE 436 Computational Chemistry 3**

Survey of modern computational chemistry methods, including molecular mechanics, molecular dynamics simulations, conformational searching, and computational quantum mechanics.

**Prerequisites:** CHE 352, PHY 212 or PHY 292, or permission of instructor.

**CHE 442 Inorganic Chemistry II 3**

Modern concepts of chemical bonding and its application to inorganic reactions and periodic relationships.

**Prerequisites:** CHE 342, CHE 406 or CHE 461.

**Corequisites:** CHE 406 or CHE 461 may be taken concurrently.

**CHE 453 Advanced Organic Chemistry I 3**

Advanced topics in organic chemistry with special emphasis on reaction mechanisms and stereochemistry.

**Prerequisites:** CHE 352.

**CHE 455 Organometallic Chemistry 2**

Theoretical and synthetic aspects of organometallic chemistry and applications to catalysis and synthetic organic chemistry.

**Prerequisites:** CHE 352, CHE 442.

**CHE 456 Biochemistry I 3**

Introductory biochemistry presented from a chemical perspective. Topics include amino acids, proteins and enzymes, carbohydrates, nucleic acids, lipids, membranes, and carbohydrate catabolism.

**Prerequisites:** CHE 352, BIO 111, BIO 112.

**CHE 457 Biochemistry II 3**

Continuation of CHE 456. Enzyme catalytic mechanisms, additional topics in intermediary metabolism, genetic biochemistry, and selected topics in molecular physiology.

**Prerequisites:** CHE 456.

**CHE 458 Biochemistry Laboratory 1**

Introduction to biochemical techniques, including isolation, purification and characterization of biological molecules.

**CIC:** CIC College Writing

**Prerequisites:** CHE 456 (or equivalent), CHE 353 (or CHE 354), and CHE 333. or permission of instructor.

**CHE 461 Physical Chemistry I 4**

Chemical thermodynamics and equilibrium processes covered, including phase equilibria, thermodynamics of solutions, kinetics, and electrochemistry.

**Prerequisites:** MAT 292 or MAT 296 and PHY 292.

**Notes:** Students cannot receive credit for both CHE 461 and CHE 406 toward an undergraduate degree.

**CHE 462 Physical Chemistry II 3**

Subject material deals with microscopic world including introductions to quantum mechanics, molecular spectroscopy, and statistical mechanics.

**Prerequisites:** CHE 461 .

**CHE 463 Physical Chemistry I Laboratory 1**

Laboratory work related to CHE 461 with emphasis on mathematical treatment of experimental data and communication of results in report form.

**CIC:** CIC College Writing

**Prerequisites:** CHE 331, CHE 333.

**Corequisites:** CHE 406 or CHE 461.

**CHE 464 Physical Chemistry II Laboratory 1**

Additional laboratory work primarily in kinetics and the determination of molecular structure. This is a writing emphasis course.

**CIC:** CIC College Writing

**Prerequisites:** CHE 461, CHE 463.

**Corequisites:** CHE 462.

**CHE 470A Special Topics in Chemistry: Analytical 1-3**

See CHE 470.

**Prerequisites:** Permission of instructor.

**CHE 470B Special Topics in Chemistry: Biochemistry 1-3**

See CHE 470.

**Prerequisites:** Permission of instructor.

**CHE 470C Special Topics in Chemistry: Inorganic 1-3**

Prerequisite: Permission of instructor.

**CHE 470D Special Topics in Chemistry: Organic 1-3**

See CHE 470.

**CHE 470E Special Topics in Chemistry: Physical 1-3**

See CHE 470.

**CHE 470F Special Topics in Chemistry: Chemical Education 1-3**

See CHE 470.

**Prerequisites:** Permission of instructor.

**CHE 481 Synthetic Techniques 2**

Theoretical discussion and laboratory practice in modern methods of synthesis in the areas of organic and inorganic chemistry. Emphasis given to regions of overlap such as organometallic chemistry.

**CIC:** CIC College Writing

**Prerequisites:** CHE 342, CHE 352, CHE 355.

**CHE 490 Internship in Chemistry and Biochemistry 3**

Practical experience in local industrial setting. Includes bi-weekly meeting with Departmental internship coordinator. Students must complete 12 hours a week at an internship site.

**Prerequisites:** CHE 333 and CHE 355. junior status; overall GPA of 3.0 or better; and permission of instructor .

**CHE 491 Senior Research 1-3**

Senior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

**Prerequisites:** Three (3) years of chemistry or biochemistry and permission of instructor.

**Notes:** May be repeated for credit for a maximum of three (3) credits.

**CHE 492 Senior Research 1-3**

Senior-level research in chemistry and biochemistry. Participation in a research project directed by a faculty supervisor.

**Prerequisites:** Three (3) years of chemistry or biochemistry and permission of instructor.

**Notes:** May be repeated for credit for a maximum of three (3) credits.

**CHE 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**CHE 499 Senior Thesis 1**

Preparation of a thesis based on a student's undergraduate research.

**Prerequisites:** Senior standing, completion of five (5) semesters of undergraduate research, or permission of instructor.

**Corequisites:** CHE 492 for 2 or 3 s.h.

**CHE 531 Instrumental Analysis 3**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis.

**CHE 533 Instrumental Analysis Laboratory 1**

Laboratory work to accompany CHE 531.

**Corequisites:** CHE 531 must be taken concurrently.

**CHE 553 Advanced Organic Chemistry I 3**

Advanced topics in organic chemistry with special emphasis on reaction mechanisms and stereochemistry.

**CHE 555 Organometallic Chemistry 3**

Theoretical and synthetic aspects of organometallic chemistry focusing on transition metal complexes and their applications to industrially important catalysis and to synthetic organic chemistry.

**CHE 556 Biochemistry I 3**

Introductory biochemistry presented from a chemical perspective. Topics include amino acids, proteins and enzymes, carbohydrates, nucleic acids, lipids, membranes, and carbohydrate catabolism.

**CHE 557 Biochemistry II 3**

Continuation of CHE 556. Enzyme catalytic mechanisms, additional topics in intermediary metabolism, genetic biochemistry, and selected topics in molecular physiology.

**Prerequisites:** CHE 556 or permission of instructor.

**CHE 558 Biochemistry Laboratory 1**

Introduction to biochemical techniques, including isolation, purification and characterization of biological molecules.

**Prerequisites:** CHE 556 (or equivalent) or permission of instructor.

**CHE 570B Special Topics in Chemistry: Biochemistry 1-3**

See CHE 570.

**Prerequisites:** Permission of instructor.

**CHE 570C Special Topics in Chemistry: Inorganic 1-3**

See CHE 570.

**Prerequisites:** Permission of instructor.

**CHE 570D Special Topics in Chemistry: Organic 1-3**

See CHE 570.

**CHE 570E Special Topics in Chemistry: Physical 1-3**

See CHE 570.

**CHE 570F Special Topics in Chemistry: Chemical Education 1-3**

See CHE 570.

**Prerequisites:** Permission of instructor.

**CHE 601 Graduate Seminar I 1**

Oral reports from the current literature of chemistry by the students, as well as attendance at presentations by other students, staff, and guest speakers.

**Prerequisites:** CHE 401 or equivalent.

**CHE 602 Graduate Seminar II 1**

Oral reports from the literature and the student's thesis research, as well as attendance at presentations by other students, staff, and guest speakers.

**Prerequisites:** CHE 601.

**CHE 613 Teaching Chemistry: Theory and Practice 1**

Introduction to teaching chemistry with emphasis on theory, practice, and techniques.

**CHE 615 Entrepreneurship for the Sciences 3**

Develop knowledge and skills in entrepreneurship to identify and evaluate science and technology ideas in chemistry and the life sciences as opportunities to take through the feasibility and business plan.

**Notes:** Same as ENT 615.

**CHE 623 Learning Theories in Chemistry 3**

Introduction to the learning theories that inform chemistry education research, with the focus on how research findings regarding how humans learn chemistry can be applied to improve teaching and learning.

**CHE 624 Survey of Natural Products Research 3**

Survey of many different areas of natural products research, including taxonomy, genetics, nomenclature, biosynthesis, and process methods.

**Prerequisites:** Two courses in undergraduate organic chemistry and one course in undergraduate biochemistry.

**CHE 627 Introduction to Medicinal Chemistry 3**

Introduces students to the process of drug discovery through an interdisciplinary look at the challenges faced in getting a small-molecule drug to market. After completing the introduction to drug discovery, students will learn about the medicinal chemistry of past, current, and future drug treatments.

**Prerequisites:** Grade of C or better in CHE 351 and CHE 352 or an equivalent sequence of two semesters of organic chemistry lecture.

**CHE 632 Advanced Analytical Chemistry 3**

Current research activities in the analytical area, primarily for first year graduate students. Four areas emphasized: chemical equilibrium, spectroscopy, separations, and electrochemistry.

**Prerequisites:** CHE 462 or CHE 406 or equivalent. One semester of instrumental analysis (CHE 531) recommended.

**CHE 633 Bioanalytical Chemistry 3**

Comprehensive study on various analytical methods used to characterize nucleic acid and protein drug targets and their molecular interactions with therapeutic agents.

**Prerequisites:** Permission of instructor.

**CHE 636 Computational Chemistry 3**

Survey of modern computational chemistry methods, including molecular mechanics, molecular dynamics simulations, conformational searching, and computational quantum mechanics.

**CHE 641 Advanced Inorganic Chemistry 3**

Group theory, its applications, and other topics in advanced inorganic chemistry.

**Prerequisites:** CHE 442.

**CHE 651 Structure Elucidation in Medicinal Chemistry 3**

Use of structure elucidation in medicinal chemistry including drug design, chemistry of High Throughput Screening and focused libraries, lead development/optimization.

**Prerequisites:** Two courses in undergraduate organic chemistry and one course in undergraduate biochemistry.

**CHE 652 Synthetic Organic Chemistry 3**

Methods and problems in multi-step organic synthesis, including use of transition metal reagents and asymmetric synthesis. Applications in drug synthesis.

**Prerequisites:** Two courses in undergraduate organic chemistry.

**CHE 656 Enzyme Mechanisms 3**

Detailed look at how enzymes catalyze a broad range of chemical reactions. Particular emphasis on the role of organic cofactors and metal ions in catalysis.

**Prerequisites:** CHE 352 and either CHE 420 or CHE 556, or permission of instructor.

**CHE 658 Nucleic Acid Biochemistry 3**

Structure and functions of nucleic acid and their biochemical reactions with cellular proteins. Emphasis on the genomic approach to identify and validate drug targets.

**Prerequisites:** Permission of instructor.

**CHE 659 Receptor Biochemistry 3**

Structure and biochemical properties of the various cell-surface receptors. Emphasis on specific receptors chosen as drug targets for various diseases.

**Prerequisites:** One course in undergraduate biochemistry.

**CHE 660 Biochemical Pharmacology and Disease Targets 3**

Drug action at the biochemical and molecular level. Focus on the biochemical and cellular mechanisms of action that guide the drug discovery and development process.

**Prerequisites:** One course in undergraduate biochemistry.

**CHE 661 Advanced Physical Chemistry I 3**

Selected topics in quantum chemistry, spectroscopy, statistical thermodynamics, and chemical kinetics will be developed with attention to methods of application.

**Prerequisites:** CHE 461 and CHE 462 or equivalent (one year of physical chemistry).

**CHE 663 Spectroscopy and Structure of Proteins and Nucleic Acids 3**

Spectroscopic and structural methods for the study of biological macromolecules, particularly proteins and nucleic acids. Topics include absorption spectroscopy, circular dichroism, fluorescence, FTIR, NMR, EPR, and X-ray crystallography.

**Prerequisites:** CHE 406 or CHE 461, CHE 420 or CHE 556, or permission of instructor.

**Notes:** May be repeated for a maximum of 6 credits when topic varies.

**CHE 670B Adv Special Topic Biochemistry 1-6****CHE 670D Adv Special Topic Organic 1-6****CHE 680 Research Problems in Chemistry and Biochemistry 1-6**

Advanced research in specialized areas of chemistry or biochemistry under the direction of a faculty member. Preparation for master's thesis.

**Prerequisites:** Permission of instructor and department head.

**Notes:** May be taken for credit over two or more semesters.

**CHE 691 Introduction to Graduate Research 1**

Guides new students in the selection of a research advisor. Professors present brief summaries of their research projects. Topics relevant to research are also discussed.

**Prerequisites:** Admitted to graduate program in department.

**CHE 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**Prerequisites:** Approval of research proposal by thesis committee.

**CHE 703 Instrumental Analysis 3**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis.

**CHE 704 Instrumental Analysis Laboratory 1**

Laboratory work to accompany CHE 703.

**Corequisites:** CHE 703.

**CHE 705 Advanced Organic Chemistry I 3**

Advanced topics in organic chemistry with special emphasis on reaction mechanisms and stereochemistry.

**CHE 706 Organometallic Chemistry 3**

Theoretical and synthetic aspects of organometallic chemistry focusing on transition metal complexes and their applications to industrially important catalysis and to synthetic organic chemistry.

**CHE 707 Biochemistry I 3**

Introductory biochemistry presented from a chemical perspective. Topics include amino acids, proteins and enzymes, carbohydrates, nucleic acids, lipids, membranes, and carbohydrate catabolism.

**CHE 708 Biochemistry II 3**

Continuation of CHE 707. Enzyme catalytic mechanisms, additional topics in intermediary metabolism, genetic biochemistry, and selected topics in molecular physiology.

**Prerequisites:** CHE 707 or permission of instructor.

**CHE 709 Biochemistry Laboratory 1**

Introduction to biochemical techniques, including isolation, purification and characterization of biological molecules.

**Prerequisites:** CHE 707 or equivalent or permission of instructor.

**CHE 713 Teaching Chemistry: Theory and Practice 1**

Introduction to teaching chemistry with emphasis on theory, practice, and techniques.

**CHE 720 Introduction to Graduate Research 1**

Guides new students in the selection of a research advisor. Professors present brief summaries of their research projects. Topics relevant to research are also discussed.

**Prerequisites:** Admitted to graduate program in department.

**CHE 724 Survey of Natural Products Research 3**

Survey of many different areas of natural products research, including taxonomy, genetics, nomenclature, biosynthesis, and process methods.

**Prerequisites:** Two courses in undergraduate organic chemistry and one course in undergraduate biochemistry.

**CHE 732 Advanced Analytical Chemistry 3**

Current research activities in the analytical area, primarily for first year graduate students. Four areas emphasized: chemical equilibrium, spectroscopy, separations, and electrochemistry.

**Prerequisites:** CHE 462 or CHE 406 or equivalent, one semester of instrumental analysis (CHE 703) recommended.

**CHE 733 Bioanalytical Chemistry 3**

Comprehensive study on various analytical methods used to characterize nucleic acid and protein drug targets and their molecular interactions with therapeutic agents.

**Prerequisites:** Permission of instructor.

**CHE 736 Computational Chemistry 3**

Survey of modern computational chemistry methods, including molecular mechanics, molecular dynamics simulations, conformational searching, and computational quantum mechanics.

**CHE 741 Advanced Inorganic Chemistry II 3**

Group theory, its applications, and other topics in advanced inorganic chemistry.

**Prerequisites:** CHE 442.

**CHE 751 Literature Seminar 1**

A literature-based seminar focusing on scientific literature databases and presentation skills.

**Prerequisites:** CHE 780.

**CHE 752 Dissertation Seminar 1**

A research-based seminar focusing on the student's dissertation research during the semester the student expects to graduate.

**Prerequisites:** CHE 780.

**CHE 753 Structure Elucidation in Medicinal Chemistry 3**

Use of structure elucidation in medicinal chemistry including drug design, chemistry of High Throughput Screening and focused libraries, lead development/optimization.

**Prerequisites:** Two courses in undergraduate organic chemistry and one course in undergraduate biochemistry.

**CHE 754 Synthetic Organic Chemistry 3**

Methods and problems in multi-step organic synthesis, including use of transition metal reagents and asymmetric synthesis. Applications in drug synthesis.

**Prerequisites:** Two courses in undergraduate organic chemistry.

**CHE 756 Enzyme Mechanisms 3**

Detailed look at how enzymes catalyze a broad range of chemical reactions. Particular emphasis on the role of organic cofactors and metal ions in catalysis.

**Prerequisites:** CHE 352 and either CHE 420 or CHE 707, or permission of instructor.

**CHE 758 Nucleic Acid Biochemistry 3**

Structure and functions of nucleic acid and their biochemical reactions with cellular proteins. Emphasis on the genomic approach to identify and validate drug targets.

**Prerequisites:** Permission of instructor.

**CHE 759 Receptor Biochemistry 3**

Structure and biochemical properties of the various cell-surface receptors. Emphasis on specific receptors chosen as drug targets for various diseases.

**Prerequisites:** One course in undergraduate biochemistry.

**CHE 760 Biochemical Pharmacology and Disease Targets 3**

Drug action at the biochemical and molecular level. Focus on the biochemical and cellular mechanisms of action that guide the drug discovery and development process.

**Prerequisites:** One course in undergraduate biochemistry.

**CHE 761 Advanced Physical Chemistry I 3**

Selected topics in quantum chemistry, spectroscopy, statistical thermodynamics, and chemical kinetics will be developed with attention to methods of application.

**Prerequisites:** CHE 461 and CHE 462 or equivalent (one year of physical chemistry).

**CHE 763 Spectroscopy and Structure of Proteins and Nucleic Acids 3**

Spectroscopic and structural methods for the study of biological macromolecules, particularly proteins and nucleic acids. Topics include absorption spectroscopy, circular dichroism, fluorescence, FTIR, NMR, EPR, and X-ray crystallography.

**Prerequisites:** CHE 406 or CHE 461, CHE 420 or CHE 707, or permission of instructor.

**Notes:** May be repeated for a maximum of 6 credits when topic varies.

**CHE 770B Advanced Special Topics in Biochemistry 1-6**

Advanced study in biochemistry.

**Notes:** Hours per week and credit to be arranged, may be repeated for a maximum of six credits when topic varies.

**CHE 770D Advanced Special Topics in Organic Chemistry 1-6**

Advanced study in organic chemistry.

**Notes:** Hours per week and credit to be arranged, may be repeated for a maximum of six credits when topic varies.

**CHE 780 Research Problems in Chemistry and Biochemistry 1-24**

Advanced research in specialized areas of chemistry and biochemistry under the direction of a faculty member. Research to be utilized for the preparation of the dissertation.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for up to 24 hours.

**CHE 790 Chemistry and Biochemistry Internship 3**

Practical experience in a local industrial setting. Includes biweekly meetings with departmental internship coordinator.

**Prerequisites:** Permission of departmental internship coordinator and department head.

**Notes:** Student must complete a minimum of 12 hours per week at the internship site, may be repeated for up to 6 credits.

**CHE 799 Dissertation Research in Chemistry and Biochemistry 1-12**

Prerequisite: Permission of instructor;

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CHE 801 Thesis Extension 1-3**

Thesis Extension.

**CHE 802 Dissertation Extension 1-3**

Dissertation Extension.

**CHE 803 Research Extension 1-3**

Research Extension.

# Chinese (CHI)

**CHI 101 Elementary Chinese I 3**

Introduction to the Chinese language and the cultures of the Chinese-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**CHI 102 Elementary Chinese II 3**

Continued study of the Chinese language and the cultures of the Chinese-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**CHI 203 Intermediate Chinese I 3**

Intermediate-level study of the Chinese language and cultures of the Chinese-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**CHI 204 Intermediate Chinese II 3**

Continued study of the Chinese language and cultures of the Chinese-speaking world at the intermediate level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Chinese are required to take the placement test. Students who are native or heritage speakers of Chinese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**CHI 210 Masterworks of Chinese Literature in Translation 3**

Readings and discussion of the best works of Chinese literature in English translation from the traditional to the modern periods. Taught in English.

**CHI 220 Modern Chinese Literature and Culture 3**

Introductory Chinese culture course with interdisciplinary perspectives on modern Chinese society, history, literature, and art. Taught in English.

**MAC:** MAC Global and Intercultural

**CHI 301 Third-Year Chinese Language 3**

Third-year Chinese language course to improve oral and written proficiencies, including the Mandarin writing system. Taught in Chinese.

**CHI 302 Third-Year Chinese Conversation and Composition 3**

Third-year Chinese language course focusing on topics of current interest. Taught in Mandarin Chinese.

**CHI 305 Topics in Chinese Culture 3**

Third-year Chinese course exploring topical issues of China through art, literature, film, and popular media. Taught in English and/or Chinese.

**CHI 313 Major Figures in Chinese Literature 3**

Selected Chinese authors or figures read and discussed with attention to interpretation and literary analysis. Selection of figures vary. Taught in English with options to read and/or write in Chinese.

**Notes:** May be repeated once for credit when topic varies.

**CHI 491 Advanced Topics in Chinese Language 3**

Directed program of conversation, reading, research, and individual instruction in Chinese language and literature.

**Prerequisites:** CHI 204 (or equivalent) and by permission of instructor.

**Notes:** Either CHI 491 (fall) or CHI 492 (spring), but not both, can be repeated once, up to three (3) semester hours each time.

**CHI 492 Advanced Topics in Chinese Language 3**

Directed program of conversation, reading, research, and individual instruction in Chinese language and literature.

**Prerequisites:** CHI 204 (or equivalent) and by permission of instructor.

**Notes:** Either CHI 491 (fall) or CHI 492 (spring), but not both, can be repeated once, up to three (3) semester hours each time.

## Classical Civilization (CCI)

**CCI 100 Introduction to Greek Civilization 3**

Introduction to Greek civilization from its beginnings to the Hellenistic age. Lectures and discussion will focus on the development of Greek literature, thought, and art in the context of society.

**MAC:** MAC Diversity and Equity

**CCI 101 Introduction to Roman Civilization 3**

Introduction to Roman civilization from its beginnings to the Roman Empire. Lectures and discussion will focus on the development of Roman literature, thought, and art in the context of society.

**MAC:** MAC Global and Intercultural

**CCI 105 The Fantastic World of Classics and Sci Fi 3**

By comparing tales of fantasy and fiction from the ancient world to modern science fiction classics, students will investigate questions of mortality, ethics, civics, and the role of technology in the ancient world as well as their own.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**CCI 108 Playing Games and the Ancient World 3**

An exploration of games and video games from and about Ancient Greece, Rome, and the Near East, and what those games tell us about peoples, the things they value, and the way they see their world.

**MAC:** MAC Foundations

**Prerequisites:** First year status or written permission.

**CCI 117 The Spartans 3**

This course explores Sparta, one of the strangest civilizations of the ancient world. How did a small, xenophobic, and authoritarian backwater fight off the mighty Persian Empire and dominate the Greek world for centuries? We will find out through readings and discussion of ancient literature, modern movies, and recent scholarship.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**CCI 204 The Classical Art of Influence and Misdirection 3**

Introduction to and application of ancient techniques of persuasion and the modern study of bs. Emphasis is placed on the ability to write persuasively using best practices in information literacy.

**MAC:** MAC Written Communication

**CCI 205 Greek Mythology 3**

Interpretation and evaluation of great myths of the ancient Greek world using works of literature and material culture dealing with mythological themes that have shaped human experience.

**MAC:** MAC Global and Intercultural

**CCI 207 Ancient Sports and Society 3**

Survey of the ancient Olympics and local games of Greece and the gladiatorial sports of the Roman world, with special attention to sociopolitical, economic, and religious impact of sporting behaviors.

**CCI 211 Introduction to Greek Archaeology 3**

Introduction to the archaeology of the ancient Greek world, including the ancient palaces, the earliest city states, and the spread of the Hellenistic Empire.

**MAC:** MAC Global and Intercultural

**CCI 212 Introduction to Roman Archaeology 3**

Introduction to the archaeology of the Roman world, with particular emphasis on Rome and the monumental remains of its vast empire.

**MAC:** MAC Global and Intercultural

**CCI 215 The Archaeology of Pompeii: A City Frozen in Time 3**

This course focuses on the archaeological remains of Pompeii, a city buried by the eruption of Vesuvius in 79 CE, and the goal is to understand how different types of writing use the material evidence to provide insight into life in a Roman city.

**MAC:** MAC Written Communication

**CCI 216 The Seven Wonders of the Ancient World 3**

An exploration of the famous Seven Wonders of the ancient Mediterranean and Near Eastern worlds, as well as their historical contexts. We will consider why these monuments captured the imagination of people through the ages, and what our continued fascination with creating lists of "wonders" says about our society.

**MAC:** MAC Oral Communication

**CCI 223 Classical Tragedy 3**

Study of Greek tragedians of Athens in the fifth century and their subsequent influence on later literature. Readings from Aeschylus, Sophocles, and Euripides.

**CCI 224 Classical Comedy 3**

Study of Greek and Roman comedies from the fifth to second centuries BCE and their subsequent influence on later literature. Readings from Aristophanes, Menander, Terence, and Plautus.

**CCI 240 Blood, Sweat, and Tears: Warfare in Antiquity 3**

A survey of Greek and Roman warfare covering strategy, tactics, weapons, technology, and the experience of battle from Homer to the fall of the Roman Empire.

**MAC:** MAC Global and Intercultural

**CCI 312 The Art and Archaeology of Egypt 3**

Introduction to the archaeology of Egypt, emphasizing the major developments in Egyptian society as it grew from small villages to kingdoms that controlled vast areas of land in the surrounding region.

**CCI 313 Archaeology of the Aegean 3**

Introduction to the Minoans and Mycenaeans. The archaeology of the Aegean Islands, Crete, the coast of Asia Minor, including Troy, and the mainland of Greece in the Bronze Age.

**CIC:** CIC College Writing

**CCI 314 Ancient Cities 3**

Introduction to the great cities of the past, emphasizing the physical design of those cities, especially as it reflects changing political and social structures.

**CIC:** CIC College Writing

**CCI 323 The World of Alexander the Great 3**

An introduction to the life and career of Alexander the Great and the Hellenistic period of Greek civilization, emphasizing its art, architecture, and literature in their historical context.

**Prerequisites:** CCI 100 or CCI 211. or permission of instructor.

**CCI 327 Constantine, Crisis, and the Remaking of Rome 3**

An exploration of the later Roman Empire, particularly the Third Century Crisis, the Tetrarchy, and the rise and reign of Constantine. Through ancient texts, inscriptions, monuments, coins, and funerary art, we will discuss the major socio-political, religious, and artistic changes that accompanied this pivotal period in the Roman world.

**CIC:** CIC College Writing

**CCI 328 Spin, Opinion, Lies and the Caesars 3**

A study of public opinion in the Roman Empire, in particular its use to legitimize and deligitimize regimes and leaders and the important role that gossip played in the ability of emperors and usurpers to gain and maintain power.

**CCI 329 Gates of Horn and Ivory: Dreaming in the Ancient World 3**

Dreaming has always been part of our everyday experience. But did the Greeks and Romans dream any differently than we do? How and why did they extract meaning from their nightmares and daydreams? In this course, we will explore the cultural history of dreams and dream interpretation.

**CIC:** CIC College Writing

**Prerequisites:** Sophomore standing or above.

**CCI 330 The Distaff Side: Women in Antiquity 3**

Public and private lives of Greek and Roman women of the Classical Period, focusing on women's political, religious, and domestic roles, their general social status, health and welfare.

**CIC:** CIC College Writing

**Prerequisites:** CCI 201 or CCI 202 or CCI 205.

**CCI 331 Cuts, Curses, and Cesareans: An Introduction to Ancient Medicine 3**

An introduction to the study of ancient medicine, with attention to broader competencies in the medical humanities and intellectual history. Primary texts from Egypt, the Near East, Greece, and Rome are discussed to track key medical developments, the relation between magic and medicine, and the role of healers in society.

**CCI 332 Comparative Studies in World Epics 3**

A comparative study of the formal and cultural elements of major world epics in translation. The following works may be included: Gilgamesh, Iliad, Odyssey, Aeneid, Chanson de Roland, Divine Comedy, Jerusalem Delivered, Beowulf, Joyce's Ulysses.

**CIC:** CIC College Writing

**CCI 333 Comparative Studies in World Drama 3**

A comparative study of the formal and cultural elements of global drama traditions. The course begins with ancient Greece, then considers adaptations and original works from ancient Rome and modern global cultures. Playwrights may include: Aeschylus, Sophocles, Euripides, Aristophanes, Menander, Seneca, Plautus, Terence, Shakespeare, Racine, O'Neill, Mee, Farber.

**CCI 336 Language Change 3**

What makes languages change and how does language change affect individuals and societies? Survey of the empirical study of language change, with insights drawn from linguistics, sociolinguistics, and anthropology.

**CIC:** CIC College Writing

**Prerequisites:** Sophomore standing or above.

**CCI 340 Ancient Cosmology 3**

Survey of ancient theories of the origins and configuration of the universe. Focus on Greek and Roman philosophical accounts, with some attention to Old Testament and Babylonian creation narratives.

**CIC:** CIC College Writing

**CCI 350 Love, Life, and the Law in Ancient Rome 3**

Exploration and application of major concepts and principles of Roman family law and the society in which it developed, primarily through the study of cases from the writings by Roman jurists.

**Prerequisites:** CCI 202 or permission of instructor.

**CCI 354 Roman Republic 754 BC - 44 BC 3**

Study of the social/political forces that led to Rome's conquest of the Mediterranean World and of the transformation which world conquest wrought on Rome itself. Topics covered include: the Roman Constitution and politics, the Roman conquest of Italy and then of the whole Mediterranean, and the decline of the Republic.

**Prerequisites:** None.

**Notes:** Same as HIS 354.

**CCI 355 Roman Empire 44 BC - 337 AD 3**

Survey of politics and society at Rome under the Empire, when Rome dominated Western Civilization. Topics covered include: Augustus and the rise of one-man rule at Rome, the long "Roman Peace" and the civilizing of Europe under the Emperors, rise of Christianity, and the transformed Empire of Constantine the Great.

**CCI 360 Archaeology of the Roman Provinces: Britain and Gaul 3**

Archaeological study of provinces of Gaul and Britain. Following in the footsteps of Julius Caesar to look at how incorporation into the empire changed the lives of the Celtic "barbarians."

**Prerequisites:** CCI 212 or permission of instructor.

**CCI 365 Archaeology of the Roman Provinces: Asia Minor and Syria 3**

Archaeological study of Asia Minor and Syria, a region at the crossroads between East and West. Focus on the impact of the Roman Empire on Eastern culture and society.

**Prerequisites:** CCI 212 or permission of instructor.

**CCI 401 Archaeological Practicum 1-3**

Participation in pre-approved archaeological work and opportunity to learn the field methods of classical archaeology firsthand.

**Notes:** May be repeated for a maximum of 6 s.h.

**CCI 402 History of Latin Literature 3**

A survey of Latin literature in English translation from the third century BC to the beginnings of the Middle Ages.

**CIC:** CIC College Writing

**Prerequisites:** Permission of instructor.

**CCI 403 Independent Study 3**

Directed program of reading, research, and individual instruction in Classical Studies.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit up to 6 s.h.

**CCI 405 Advanced Studies in Mythology 3**

Study of selected myths from Greece, Rome, and comparative cultures. Focus on original literature, supplemented by ancient and modern critical works. Topics will vary; see description for each term.

**CIC:** CIC College Writing

**Prerequisites:** CCI 205 or permission of the instructor.

**CCI 407 Roman Myth and Legend 3**

Examination of the myths and legends of ancient Rome and their connection to the history of Roman political and religious life.

**CIC:** CIC College Writing

**Prerequisites:** CCI 205.

**CCI 412 The Archaeology of Roman Daily Life 3**

Study of Roman daily life and the evidence from archaeology and ancient literature for daily life.

**CIC:** CIC College Writing

**CCI 441 Ancient World: Selected Topics 3**

Varying topics in ancient Near Eastern, Greek, and Roman history, including politics and public rituals, patterns of social organization, ancient slavery, and cross-cultural interactions.

**Notes:** May be repeated once for credit when topic varies. Same as HIS 441.

**CCI 450 Internship in Classical Studies 1-6**

Supervised field experience in museums or institutes devoted to the study of Ancient Greece or Rome and/or visitation of classical sites.

**Prerequisites:** Permission of department head.

**Notes:** May be repeated once, for a maximum of 6 s.h. credit.

**CCI 455 UNCG in Rome 6**

On-site study of the history and material culture of Rome in its social, literary, and political context from the prehistory of the city and its environs through Late Antiquity.

**Prerequisites:** Minimum overall GPA of 2.75 and CCI 202 or CCI 212 and permission of instructor.

**CCI 467 Color in the Ancient World 3**

A deep investigation into the ways color was perceived, conceived, manufactured, expressed in language, and exploited in every facet of life in the ancient Mediterranean world, including the human body, clothing, decoration, politics, social life, religion, philosophy, psychology, language, literature, linguistics, drama, art, and architecture.

**CIC:** CIC College Writing

**Prerequisites:** CCI 201 or CCI 202 or CCI 211 or CCI 212 or permission of the instructor.

**CCI 475 Ritual, Death, and Religion 3**

Survey of archaeological evidence for ritual, religion, and funerary customs in the Bronze Age Aegean, Classical Greece, and Rome.

**CIC:** CIC College Writing

**Prerequisites:** CCI 211 or CCI 212 or ATY 158 or ATY 258 or ATY 360.

**CCI 490 Seminar in Classical Studies 3**

Seminar on the history and methodologies of scholarship in Classical Studies. Topics will vary.

**CIC:** CIC College Writing

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic changes.

**CCI 493 Honors Work 3-6**

Individual work towards completion of the Senior Honors Project done under the supervision of a faculty member in Classical Studies.

**Prerequisites:** Permission of instructor and admission to Lloyd International Honors College.

**Notes:** May be repeated for credit if the topic of study changes.

**CCI 512 The Archaeology of Roman Daily Life 3**

Study of Roman daily life and the evidence from archaeology and ancient literature for daily life.

## **Communication Sciences and Disorders (CSD)**

**CSD 150 Communication Disabilities in Film 3**

Popular films and their portrayal of individuals with various speech, language, or hearing problems; how that information promotes images that are positive and negative; and how those images influence public opinion.

**CSD 219 Communication Disorders Laboratory 1**

Supervised therapy for students with speech, voice, language, or hearing problems.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit. Grade: Pass/Not Pass (P/NP).

**CSD 250 Concepts in Communication Sciences 3**

Concepts essential in understanding human communication; factors affecting life-long development and competency of speech, language and hearing.

**Notes:** For freshmen and sophomores.

**CSD 306 Introduction to Phonetics 3**

Recording of speech using the International Phonetic Alphabet in broad transcription. General American dialects and variations.

**Prerequisites:** Majors only, or by permission of instructor.

**Corequisites:** Must be taken concurrently with CSD 307, CSD 308, and CSD 309.

**Notes:** Not open to freshmen or sophomores.

**CSD 307 Speech and Hearing Science 3**

Acoustic principles of speech and hearing; analysis of the acoustic characteristics of speech and physiological correlates; speech perception.

**Prerequisites:** Majors only, or by permission of instructor.

**Corequisites:** Must be taken concurrently with CSD 306, CSD 308, and CSD 309.

**Notes:** Not open to freshmen or sophomores.

**CSD 308 Language and Speech Development 3**

Theory and evidence of the chronological development of phonology, syntax, semantics, and pragmatics in the child.

**Prerequisites:** Majors only, or by permission of instructor.

**Corequisites:** Must be taken concurrently with CSD 306, CSD 307, and CSD 309.

**Notes:** Not open to freshmen or sophomores. Students cannot receive credit for both this course and SES 240.

**CSD 309 Anatomy and Physiology of the Speech and Hearing Mechanism 3**

Anatomical and physiological bases of human communication.

**Prerequisites:** Majors only, or by permission of instructor.

**Corequisites:** Must be taken concurrently with CSD 306, CSD 307, and CSD 308.

**Notes:** Not open to freshmen or sophomores.

**CSD 333 Independent Study SLP 1-3**

Directed study and/or research under faculty supervision.

**Prerequisites:** Permission of the instructor.

**Notes:** May be repeated once for credit for a total of 6 s.h. Grade: Pass/Not Pass (P/NP).

**CSD 334 Introduction to Audiology 3**

Basic anatomy and physiology of the human auditory system, fundamental hearing science, and methods and techniques of hearing measurement and interpretation for the assessment, diagnosis, evaluation, and rehabilitation of hearing disorders.

**Prerequisites:** Speech Pathology/Audiology and Interpreting, Deaf Education, and Advocacy Services majors only.

**CSD 335 Independent Study Audiology 1-3**

Directed study and/or research under faculty supervision.

**Prerequisites:** Permission of the instructor.

**Notes:** May be repeated once for credit for a total of 6 s.h. Grade: Pass/Not Pass (P/NP).

**CSD 336 Speech Sound Disorders 3**

Assessment and treatment procedures of speech and sound disorders.

**Prerequisites:** CSD 306, CSD 307, CSD 308, and CSD 309. or permission of instructor.

**CSD 337 Language Disorders 3**

Nature, theory, measurement, and management of language problems across the life span.

**Prerequisites:** CSD 306, CSD 307, CSD 308, CSD 309.

**CSD 338 Voice and Fluency Disorders 3**

Basic theories and principles in the onset, development, and maintenance of stuttering and voice disorders in children and adults. Primary factors in prevention, measurement, assessment, and management.

**Prerequisites:** CSD 306, CSD 307, CSD 308, CSD 309 .

**CSD 450 Diagnostic Procedures: Inquiry, Observation and Measurement 3**

Processes and techniques of data acquisition and analysis for the diagnosis, assessment, and evaluation of communication disorders.

**Prerequisites:** Completion of all CSD 300-level courses required for the major or permission of the instructor.

**CSD 452 Communication and Aging 3**

Development of communication in old age; factors affecting development and competency; communication evidence and theories of aging; facilitation of life-long functional communication.

**Prerequisites:** CSD 308 or permission of instructor.

**CSD 454 Advanced Speech Science 3**

Acoustic theory and methods of analysis; acoustic structure of speech and its physiological correlates; application of acoustic information to clinical management of disorders of communication.

**Prerequisites:** CSD 306, CSD 307, CSD 308, CSD 309.

**CSD 456 Aural Rehabilitation 3**

Principles of aural rehabilitation with hearing impaired adults and their significant others.

**Prerequisites:** CSD 334.

**CSD 457 Pediatric Aural Rehabilitation 3**

Study of new technologies available for children with hearing impairment and the impact of these technologies on therapy and teaching.

**Prerequisites:** CSD 334 for undergraduates. permission of instructor for graduate students.

**CSD 471 Honors Clinical Practice in Speech-Language Pathology 3**

CSD 471 offers supervised clinical experience in the treatment of communication disorders to select undergraduate students majoring in Speech Language Pathology and Audiology (SPAU).

**CSD 475 Instrumentation for Communication Disorders 3**

Instrumentation commonly used in communication disorders; operation and measurement techniques for clinical and research applications.

**Prerequisites:** Permission of instructor.

**CSD 476 Structured Clinic Observations for Speech-Language Pathology Students 1**

This course is designed to satisfy the American Speech-Language-Hearing Association requirement for 25 guided clinical observation hours in speech-language pathology.

**Prerequisites:** CSD 334, CSD 336, and CSD 337. or permission of instructor;

**Notes:** Grade: Pass/Not Pass (P/NP).

**CSD 477 Structured Clinic Observations for Audiology Students 1**

Students interested in graduate studies in the field of Audiology will be guided in clinical observations of the prevention, identification, diagnosis, and evidence-based treatment of hearing and other auditory disorders.

**Prerequisites:** CSD 334, CSD 336, and CSD 337. or permission of instructor;

**Notes:** Grade: Pass/Not Pass (P/NP).

**CSD 487 Introduction to Adult Language Disorders 3**

Assessment, treatment, and quality of life issues associated with acquired cognitive-linguistic disorders in adults will be addressed. The targeted disorders include aphasia, dementia, and traumatic brain injury.

**CSD 488 Neurology of Speech, Language and Hearing 3**

An overview of neuroanatomy and neurophysiology with a concentration on neurological mechanisms related to speech, language and hearing.

**Prerequisites:** CSD 309 or permission of instructor.

**CSD 490 Senior Honors Project 3**

Independent original scholarship, completed under the supervision of a faculty member. Culminates in an original oral presentation, written document, or other creative work.

**Prerequisites:** Senior status and admission to the Lloyd International Honors College and the CSD Honors Program, or permission of the instructor. Notes:May be repeated once for credit.

**CSD 493 Honors Independent Study 3-6**

Directed study and/or research under faculty supervision.

**Prerequisites:** Senior status and admission to the Lloyd International Honors College and the CSD Honors Program, or permission of the instructor.

**Notes:** May be repeated once for credit.

**CSD 495 Special Topics Seminar 1**

Critical analysis of contemporary topics in Communication Sciences and Disorders.

**Prerequisites:** CSD 334, CSD 336, and CSD 337, or permission of instructor.

**Notes:** May be repeated for credit twice during the senior year of UNCG undergraduates. Second degree students may enroll twice during the year they are taking undergraduate courses.

**CSD 550 Diagnostic Procedures: Inquiry, Observation and Measurement 3**

Processes and techniques of data acquisition and analysis for the diagnosis, assessment, and evaluation of communication disorders.

**CSD 556 Aural Rehabilitation 3**

Principles of aural rehabilitation with hearing impaired adults and their significant others.

**CSD 557 Pediatric Aural Rehabilitation 3**

Study of new technologies available for children with hearing impairment and the impact of these technologies on therapy and teaching.

**Prerequisites:** Permission of instructor.

**CSD 587 Introduction to Adult Language Disorders 3**

Assessment, treatment, and quality of life issues associated with acquired cognitive-linguistic disorders in adults will be addressed. The targeted disorders include aphasia, dementia, and traumatic brain injury.

**CSD 588 Neurology of Speech, Language and Hearing 3**

An overview of neuroanatomy and neurophysiology with a concentration on neurological mechanisms related to speech, language and hearing.

**CSD 600 Professional Issues and Ethics in Speech-Language Pathology 3**

Issues related to the profession, service delivery, ethics, legal considerations, funding issues, program administration and credentialing. Content is in accordance with the American Speech-Language-Hearing Association Scope of Practice.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 603 Seminar in Voice Problems 3**

Investigation of current literature and theories of vocal anomalies. Organic deviations.

**Prerequisites:** CSD 551 or equivalent and admission to appropriate degree program or permission of instructor.

**CSD 604 Fluency Disorders 2**

Assessment, diagnosis, and treatment of fluency disorders in children, adolescents, and adults.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 605 Seminar in Speech and Language Pathology 3**

Studies dealing with specialized areas of communication disorders. Topic to be announced each semester course is offered.

**Prerequisites:** Graduate-level courses in appropriate content area and admission to appropriate degree program or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**CSD 606 Cognitive-Linguistic Disorders in Adults 3**

Assessment, diagnosis, and treatment of communication disorders resulting from stroke, dementia, and traumatic brain injury.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 608 Seminar in Cleft Palate 3**

Investigation of current literature and theories in cleft palate. Speech and hearing aspects; controversial procedures in repair and rehabilitation.

**Prerequisites:** CSD 551, CSD 570 or equivalent and admission to appropriate degree program or permission of instructor.

**CSD 612 Augmentative and Alternative Communication 1**

Knowledge of augmentative and alternative communications and problem-solving in the design and application of appropriate AAC systems.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 614 Language Learning Disabilities 3**

Assessment and treatment of spoken and written language learning disabilities in school-age children and adolescents with special emphasis on the collaborative role of the speech-language pathologist in school-based settings.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 616 Motor Speech Disorders 3**

Neurologic basis, assessment and treatment of dysarthria and apraxia.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 619 The Supervisory Process in Communication Sciences and Disorders 1**

Study and practice of clinical supervision in speech-language pathology. Theoretical models of supervision, pertinent research, and clinical practice.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 627 Diversity, Equity, and Inclusion in Communication Sciences and Disorders 1**

Identification and treatment of speech and language differences in diverse populations.

**Prerequisites:** Admission to the M.A. in Speech-Language Pathology or permission of instructor.

**CSD 628 Cognitive and Linguistic Disorders in Adults 2 3**

The purpose of this course is to provide the requisite knowledge required to understand, evaluate, and treat acquired adult cognitive-linguistic disorders including traumatic brain injury, right hemisphere disorder, and dementias.

**Prerequisites:** CSD 606 or permission of instructor.

**CSD 629 Dysphagia 3**

Anatomical bases of normal and disordered swallowing in children and adults; evaluation and treatment of swallowing disorders.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 632 Introduction to Research in Communication Sciences and Disorders 3**

Introduction to research procedures in the study of communication sciences and disorders.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 633 Special Projects in Communication Sciences and Disorders 3**

Individual scholarly project developed by the student with faculty guidance.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CSD 636 Prevention, Assessment, and Intervention of Communication Disorders: Birth-5 3**

Communication development and disorders (speech, language, and hearing) in infants, toddlers, and preschoolers.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 637 Prevention, Assessment, and Intervention of Communication Disorders: School Age 3**

Communication development and disorders in school age children and adolescents.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CSD 638 Minor Area Clinical Practicum for Speech-Language Pathology Majors 1**

Instruction for speech-language pathology majors in the minor area of hearing assessment. Provides training and supervised clinical experiences in hearing screenings.

**CSD 650 Independent Study 1-3**

Topic to be determined by faculty advisor and student.

**Prerequisites:** Admission to appropriate degree program or permission of instructor and major advisor.

**CSD 671 Clinical Foundations in Speech-Language Pathology I 3**

Instruction in the clinical process for providing evaluations and treatment for individuals with communication disorders or differences.

**Corequisites:** CSD 671L or permission of instructor.

**CSD 671L Clinical Practice I 2**

Clinical practicum experience in providing screenings, evaluations and treatment for patients or clients with communication disorders or differences.

**Corequisites:** CSD 671 or permission of instructor.

**CSD 677 Internship in Communication Disorders 3-9**

Clinical experience under supervision of a certified speech-language pathologist in an off-campus facility.

**Prerequisites:** Permission of instructor.

**CSD 678 Clinical Foundations in Speech-Language Pathology II 3**

Instruction in specialized topics related to contemporary professional practice and use of instrumentation and technology for evaluating and treating individuals with communication disorders or differences.

**Prerequisites:** CSD 671, CSD 671L.

**Corequisites:** CSD 678L or permission of instructor.

**CSD 678L Clinical Practice II 2**

Clinical practicum experience in providing screenings, evaluations and treatment for patients or clients with communication disorders or differences.

**Prerequisites:** CSD 671, CSD 671L.

**Corequisites:** CSD 678 or permission of instructor.

**CSD 679A Service Learning and Clinical Practicum in International Settings 6**

Students will compare and contrast professional issues in global settings through guided study-abroad experiences, service learning experiences and interaction with students and teachers abroad while gaining clinical practicum hours.

**CSD 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**Prerequisites:** Admission to appropriate degree program, or permission of instructor and major advisor.

**CSD 751 Professional Seminars in Communication Sciences and Disorders 1**

Weekly seminar on contemporary issues in communication sciences and disorders.

**Notes:** May be repeated four times for credit. Grade: Satisfactory/Unsatisfactory (S/U).

**CSD 760 Advanced Seminar in Communication Sciences and Disorders 3**

Critical analysis of special topics in communication sciences and disorders. Topics change each semester.

**Notes:** May be repeated when topic varies for a maximum of 18 hours.

**CSD 771 Best Practices in Teaching Communication Sciences and Disorders 3**

Introduction to best practices in teaching in communication sciences and disorders.

**Prerequisites:** Permission of instructor for non-CSD majors.

**CSD 773 Practicum in Teaching Communication Sciences and Disorders 3**

Practicum in teaching in communication sciences and disorders.

**Prerequisites:** CSD 771 (or as corequisite), prior permission of instructor for non-CSD majors;

**Notes:** Course may be repeated once for credit. Grade: Satisfactory/Unsatisfactory (S/U).

**CSD 780 Independent Study 1-3**

Guided readings, research, and individual project work.

**Prerequisites:** Permission of doctoral advisory committee and graduate faculty mentor.

**Notes:** May be repeated for a maximum of 15 hours credit.

**CSD 790 Directed Research 1-3**

Individual work on directed research or topics of special interest, collection and analysis of data, critical review, integration, and interpretation of research literature on a topic pertinent to the student's research.

**Prerequisites:** Permission of doctoral advisory committee and graduate faculty mentor.

**Notes:** May be repeated for a maximum of 15 hours credit.

**CSD 799 Dissertation 1-12**

Prerequisite: Completion of doctoral examinations.

**CSD 802 Dissertation Extension 1-3**

Dissertation Extension.

**CSD 803 Research Extension 1-3**

Research Extension.

## Communication Studies (CST)

**CST 105 Introduction to Communication Studies 3**

Students will learn to construct and deliver coherent oral arguments for various contexts. Principles of competent communication will be addressed. Recordings will be used to evaluate and enhance communication skills.

**MAC:** MAC Oral Communication

**CST 199 Introduction to Communication Inquiry 1**

This course prepares students to ask and answer questions from a communication perspective. Students will engage critical thinking skills to evaluate evidence, interpret communication journal articles, and package information.

**CST 200 Communication and Community 3**

Exploration of role and impact of communication in diverse communities. Ethical and social responsibilities of civic action are examined in the context of community problem solving. Includes service learning experience in a supervised setting.

**CST 207 Relational Communication 3**

Contemporary theory and practice of relational communication, with emphasis on increasing awareness of strategic and ethical uses of communication to build relationships.

**CST 210 Communicating Ethically 3**

Provides students with an opportunity to think critically about ethical and moral dimensions of current practices in interpersonal, institutional, and public communication.

**CST 300 Communication Theory 3**

Critical analysis and evaluation of scientific, rhetorical, and critical theories of communication. Emphasis on how theory assists us to understand, predict, and transform society.

**Prerequisites:** Junior status and above and any two courses from among CST 200, CST 207, and CST 210, or permission of instructor.

**CST 305 Persuasion in Western Culture 3**

The history of rhetoric (persuasion) and its evolution in Western culture, from ancient Greece to our current age. Application of rhetorical theory/criticism to various historical and contemporary communicative events.

**Prerequisites:** CST 105 and junior standing.

**CST 308 Organizational Communication 3**

Examines contemporary organizational communication theory and practices as they enable organizations to function, change, learn, and create/recreate identities.

**CST 311 Deliberation and Decision Making 3**

Course content explores the theory and practice of collaborative argumentation. This includes analysis and deliberation over contemporary issues and training in reasoned, persuasive oral and written communications.

**CST 315 Persuasion and Social Influence 3**

Theories and practices of persuasion in critically evaluating and creating/composing persuasive messages. Role of ethics in relational, group, and mass mediated persuasive communication.

**CIC:** CIC College Writing

**CST 333 Special Problems 1-3**

Guided individual study in an area of special interest to the student.

**Prerequisites:** Permission of faculty supervisor.

**Notes:** May be repeated for credit.

**CST 337 Intercultural Communication 3**

Drawing from multiple theoretical perspectives, this course explores theories, research, and issues important to the understanding of communication between people from different racial, ethnic, national, and other cultural backgrounds.

**CST 341 Communication and Workplace Relationships 3**

Advanced communication skills applied to the workplace. Emphasis on both oral and written communication in interviewing, making presentations, and creating ethically grounded professional communication.

**CST 342 Communication and Public Relations: Strategies and Innovations 3**

Prepares students for effective and ethical public communication and relations on behalf of profit and not-for-profit organizations. Students conduct research, apply strategies, and utilize innovative methods to meet organizational communication objectives.

**CIC:** CIC College Writing

**CST 343 Crisis Communication 3**

Investigates the range of crises facing us in every segment of society. From readings, case studies, videos, and presentations an understanding of current communication functions relating to these issues are studied.

**CIC:** CIC College Writing

**CST 344 Conflict Communication 3**

Course explores how communication is central to expressing opposing voices and managing conflicted relationships, change, diversity/difference, and identities.

**CIC:** CIC College Writing

**CST 350 Small Group and Team Communication 3**

Theory and practice of small group/team communication, emphasizing student participation. Develops skills for leadership in small group/teams. Develops framework for analysis of effective small groups/teams.

**CST 390 Speaking Center Theory and Practice 3**

Explores principles of Communication Across the Curriculum, applying them to interpersonal communication, listening, group communication, public speaking, and pedagogy to prepare Communication Consultants in UNCG's Speaking Intensive program.

**Prerequisites:** CST 105 or CST 341 (may be taken as a corequisite). 3.0 GPA in the student's major; written permission from the Speaking Across the Curriculum Center Director.

**CST 399 Communication Research Methods 3**

Theoretical examination and practical application of the philosophical, ideological, and processual bases for selecting, using, and evaluating methods of conducting and reporting communication research.

**CST 403 Communication Pedagogy 3**

Seminar focusing on the effect of communication upon learning. For undergraduates interested in teaching or training. Emphasis on pedagogical principles and instructional materials.

**Prerequisites:** Permission of instructor.

**CST 406 Speaking Out for Community Change 3**

Exploration of theory and practice in community advocacy. Focus on public deliberation, moral conflict, and community dialogue in value-laden topics and controversies.

**Prerequisites:** CST 305 recommended for undergraduates.

**CST 407 Gender and Communication 3**

Using a case study method, this course examines the relationship of gender to communication process. Identity, language, and relationships within cultural context are key concepts under study.

**Prerequisites:** CST 207 or equivalent.

**CST 408 Health Communication 3**

Focuses on current trends in the design of health messages. Explores health campaigns, interpersonal interventions, health care institutions, and consumer-based models and participatory approaches to health.

**Prerequisites:** CST 105.

**Notes:** May be repeated once for credit.

**CST 412 Communication Internship 3-6**

Field learning experience using communication theory, research, and strategies in agencies and organizations within the larger community.

**Prerequisites:** Will vary. junior or senior status, and permission of instructor;

**Notes:** May be repeated for maximum of 6 s.h. credit. Open to majors only.

**CST 415 Family Communication 3**

Exploration of family communication, including symbols, meanings, rules, traditions, stories, secrets, roles, artifacts, and theoretical frameworks. Practical application exercises and research related to family communication practices and patterns.

**CST 416 Communication and Ethnography: Writing Life 3**

Intensive study and practice of methodologies of personal narrative, ethnography, autoethnography, and memoir. Examination and expression of self, identity, and communication in close personal relationships via writing life histories.

**CIC:** CIC College Writing

**Prerequisites:** Junior or senior standing.

**CST 417 Communication and Friendship 3**

Course focuses on communication in friendships, via a close examination of friendships in everyday and popular culture contexts. Ethnographic methodology and dialectical, narrative, and identity theory frame our study.

**Prerequisites:** CIC College Writing

**CST 420 Environmental Communication 3**

Explores environmental communication including current issues, theoretical frameworks, ethical frameworks, and the symbolic relationship of humans to nature. Emphasizes research, analysis, critical self-reflection, and practices.

**CST 421 African American Culture and Identity 3**

Examines dynamic ways that African Americans construct, maintain, and negotiate their social identities in a variety of contexts. Explores the connections among race/ethnic identity, communication, and culture.

**Prerequisites:** Junior or senior standing.

**CST 440 Reclaiming Democracy: Dialogue, Decision-Making, Community Action 4**

This course asks: How do we reclaim our democracy as a humane, inclusive process responsible to the needs of all community members and what does this require of us?

**Prerequisites:** Junior or senior standing.

**CST 455 Relational Communication and the Hollywood Feature Film 3**

Analysis and application of images, discourses, and practices concerning human communication and relationships as they are represented in the powerful cultural medium of film.

**Prerequisites:** Undergraduates: CST 207, CST 300 or CST 305, and upper division standing.

**CST 460 Special Topics in Communication Research 3**

Seminar in applying communication theory and research to current topics.

**Notes:** May be repeated for credit an unlimited number of times when topics vary.

**CST 499 Senior Capstone 3**

Graduating seniors synthesize their experience of the communication studies major by reflecting on course work and scholarly focus areas, assessing departmental learning outcomes, and constructing a career portfolio.

**Prerequisites:** Senior status or permission of instructor.

**CST 601 Engaging Communication Scholarship I 3**

Theories and research methodologies in communication studies.

Emphasis on application of theory to social and cultural contexts and use of methods to solve research problems/answer research questions.

**CST 602 Engaging Communication Scholarship II 3**

Study of theories and research methodologies in communication studies. Application of communication theory to social and cultural contexts and use of methods to solve research problems/answer research questions.

**CST 603 Communication Pedagogy 3**

Seminar focusing on the effect of communication upon learning. For graduate teaching assistants in any discipline, graduates or undergraduates interested in teaching or training. Emphasis on pedagogical principles and instructional materials.

**CST 605 Communicating for Social Change 3**

Theoretical and practical views on how to work inside and outside institutions of power to transform values, assert credibility, and mobilize others. Emphasis on how communication creates social change. Topics and emphasis vary by semester.

**CST 606 Speaking Out for Community Change 3**

Exploration of theory and practice in community advocacy. Focus on public deliberation, moral conflict, and community dialogue in value-laden topics and controversies.

**CST 612 Seminar in Communication Studies 3**

Subject matter varies.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**Notes:** May be repeated for credit.

**CST 621 African American Culture and Identity 3**

Examines dynamic ways that African Americans construct, maintain, and negotiate their social identities in a variety of contexts. Explores the connections among race/ethnic identity, communication, and culture.

**CST 630 Communication, Organization, and Democracy 3**

Draws upon critical organizational communication and critical/cultural studies to consider the role of communication in creating and sustaining democratic organizing in micro, meso, and macro contexts.

**CST 632 Communication Ethics and Social Justice 3**

Theory and practice of communication ethics in a free society. Issues and cases ranging from intrapersonal to mass media communication situations.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CST 635 Identity, Culture, and Communication 3**

Takes critical/cultural studies approaches to examine how culturally significant identity sites such as race, ethnicity, gender, and diaspora are constructed, negotiated, and resisted through communication.

**CST 650 Independent Study 1-3**

Topic to be determined by faculty advisor and student.

**Prerequisites:** Permission of Instructor.

**CST 652 Research Practicum in Communication 1-3**

Engagement in communication research with the direct supervision of a member of the Graduate Faculty.

**Prerequisites:** Permission of Graduate Faculty member with whom student wishes to work.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CST 655 Relational Communication and the Hollywood Feature Film 3**

Analysis and application of images, discourses, and practices concerning human communication and relationships as they are represented in the powerful cultural medium of film.

**CST 659 Communication and Gender 3**

Ways in which communication process constructs gendered communities. Analysis of gendered language codes, speech communities, and messages that transform community.

**CST 663 Seminar in Relational Communication 3**

Major interpersonal communication theories and constructs, and methods for investigating them.

**Prerequisites:** Admission to appropriate degree program or permission of instructor.

**CST 698 Capstone Experience in Communication (Final Research Project) 1-3**

Synthesis of theories, research methods, and practices of communication that will shape the 21st Century, demonstrated through independent scholarly research conducted in consultation with faculty committee.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CST 803 Research Extension 1-3**

Research Extension.

# Community and Therapeutic Recreation (CTR)

## **CTR 101 Leisure and American Lifestyles 3**

Examination of personal, philosophical, socio-cultural, economic, behavioral, and historical dimensions of leisure; evolution of leisure lifestyles; exploration of the interrelationship between individuals, groups, and society in the context of leisure.

**MAC:** MAC Health and Wellness

**Notes:** Students may not receive credit for both CTR 101 and CTR 111.

## **CTR 102 Creating a Meaningful Life 3**

Examine personal, social, and cultural bases for a healthy and well-balanced life. Recognize and foster creative potential for lifelong personal growth, satisfying quality of life through leisure, and meaningful rewards.

**MAC:** MAC Health and Wellness

## **CTR 103 Sex, Drugs, & Rock n' Roll 3**

An exploration of deviant leisure through the lens of recreational sex; substance use in recreational settings; and the use of music for forming relationships and establishing identity in leisure.

**MAC:** MAC CritThink Soc and BehavSci

## **CTR 203 Fundamentals of Outdoor Leadership 3**

Introduction to basic wilderness living skills, conservation of wild areas, sound safety practices, outdoor leadership theory, and practical application as related to a college outdoor recreation program.

**Prerequisites:** Permission of instructor.

## **CTR 212 Leadership in Recreation and Parks 3**

Analysis of techniques, principles, and practices of leadership and group dynamics in recreation and parks.

## **CTR 213 Programming in Recreation and Events 4**

General principles of program planning; intensive study of program areas available to participants; analysis of methods and techniques of program design, organization, implementation, and evaluation.

## **CTR 214 Inclusive Recreation 3**

Awareness of and sensitivity to the needs of people with disabilities and other disenfranchised individuals with regard to planning, delivering, and evaluating recreation/leisure services in the community.

**MAC:** MAC Diversity and Equity

## **CTR 231 Introduction to Recreational Therapy 3**

Survey of key concepts, theoretical underpinnings, and procedures in clinical and community recreation settings. Focuses upon varied special needs populations, prescriptive activities, and documentations using medical charting.

## **CTR 235 Disabling Conditions and Recreational Therapy 3**

Major primary and secondary disabling conditions typically encountered in RT practice will be covered. These include, but not limited to: physical disorders, behavioral health/psychiatric disorders, and cognitive/developmental disorders. Implications, considerations, and treatment techniques will be covered.

## **CTR 251 Practicum Preparation in Recreation and Parks 1**

A course preparing students to seek and apply for practicum positions in recreation and parks management and develop professional resumes, cover letters, and job search skills.

**Prerequisites:** RPMT majors or minors only.

## **CTR 252 Professional Internship Preparation in Recreation and Parks 1**

Portfolio-based course preparing students to seek and apply for internship positions in recreation and parks management.

**Prerequisites:** CTR 315. RPMT majors.

## **CTR 315 Practicum in Recreation and Parks 3,6**

Directed practical experience in approved recreation and parks agency. Opportunities provide for student to develop knowledge, values, and skills appropriate for entry-level practice in the profession.

**Prerequisites:** CTR 212. CTR 213; CTR 214 or CTR 231; or permission of instructor; must have a cumulative 2.0 GPA to enroll;

**Notes:** A three (3) semester hour experience may be repeated once for a maximum of 6 s.h.

## **CTR 338 Client Assessment in Recreational Therapy 3**

Introduction to the theories, concepts, and techniques used in client assessment for recreational therapy programs and treatment.

**Prerequisites:** CTR 231 or permission of instructor.

## **CTR 342 Recreation Area and Facility Development 3**

Examination of the basic procedures involved in the planning process; basic considerations in park planning and maintenance management; analysis of the methods and techniques of site evaluation, design, and maintenance management.

## **CTR 348 Evaluation Methods in Recreation and Parks 3**

Examination and application of evaluation methods in recreation and parks including the reasons for conducting evaluations, evaluation questions, data collection methods and analysis, interpretation of results for making recommendations, and report writing.

## **CTR 405 Special Topics Seminar 3**

Specific course title identified by subscript, e.g., Problems Seminar. Leisure and Aging. Nature of problems themselves and their impact on societies studied.

**Prerequisites:** Course work in appropriate content area and/or permission of instructor.

**Notes:** May be repeated once for credit.

## **CTR 415 Financing and Budgeting in Recreation and Parks 3**

Examination of the financial needs and techniques utilized in recreation and parks. Emphasis on philosophy, terminology, and measurement of economies, revenue streams, and budgets.

## **CTR 416 Management in Recreation and Parks 3**

Principles and practices of management in recreation and parks agencies with emphasis on motivation, leadership, finance and budgeting, personnel policies and practices, and marketing and public relations.

**Prerequisites:** CTR 315 or permission of instructor .

## **CTR 417 Internship in Recreation and Parks 12**

Advanced practical experience in an approved recreation and parks agency. Internship consists of a full-time placement for a minimum of 12 weeks and 480 clock hours. Therapeutic Recreation students are required to complete a full-time placement for 14 weeks and 560 clock hours to comply with national certification standards.

**Prerequisites:** CTR 315 and CTR 416. must have a cumulative 2.0 GPA to enroll.

## **CTR 419 Directed Research in Recreation, Parks, and Tourism 3**

Identification and investigation of research questions in recreation and parks. Opportunity for students to conduct research with direction from scholars in the field.

**Prerequisites:** Permission of instructor.

## **CTR 423 Meeting and Event Planning and Management 3**

Comprehensive understanding of the elements necessary to conduct a quality event or meeting; emphasis on skills needed to identify, create, organize, implement, and evaluate a special event, conference, or meeting.

**CTR 429 Special Event Management 3**

Study of elements necessary to manage and operate an event business; emphasis on development and presentation of event proposals, customer service, fee structures, event design, risk management, and legal issues.

**CTR 433 Trends and Issues in Recreational Therapy 3**

Study of trends and issues in recreational therapy; examination of current controversial issues, interdisciplinary team practice, supervisory functions, and professional advocacy.

**Prerequisites:** CTR 315, concurrent enrollment in CTR 439 or past enrollment in CTR 439, or permission of instructor.

**CTR 435 Animal Assisted Therapy 3**

An introduction to the theories, concepts, and techniques used in animal assisted therapy in long-term care, rehabilitation, acute care hospitals, special schools, and other settings.

**CTR 437 Interventions and Facilitation Techniques in Recreational Therapy 3**

This course will prepare students to plan, implement, and evaluate a variety of recreational therapy interventions using various therapeutic facilitation techniques. Relevant efficacy research and theoretical foundations will be included.

**Prerequisites:** Pr. or Coreq.: CTR 439.

**CTR 439 Clinical Procedures in Recreational Therapy 3**

Students learn clinical skills related to the recreational therapy process with a focus on developing individualized treatment plans; developing goals, objectives and treatment interventions; documentation skills, discharge planning and evaluation.

**Prerequisites:** Concurrent enrollment in CTR 231 or previous credit for CTR 231. or permission of instructor.

**CTR 444 Recreation, Parks, and Health 3**

Examination of evidence regarding the impacts of recreation, parks, green space, and leisure on the health and well-being of individuals and communities.

**CTR 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**CTR 611 Foundations of Recreation and Parks 3**

Understand and apply various theories and concepts, as well as current research, which influence the study of leisure behavior and the delivery of recreation services.

**CTR 613 Recreation and Parks Management 3**

Theories and patterns of management appropriate for leisure service delivery systems. Organizational planning, legal foundations, financial management, personnel management, and the politics of leisure service delivery systems.

**CTR 615 Financing and Budgeting in Recreation and Parks 3**

Examination of the financial needs and techniques utilized in recreation and parks. Emphasis on philosophy, terminology, and measurement of economies, revenue streams, and budgets.

**CTR 633 Professional Issues in Recreational Therapy 3**

Study of professional issues in recreational therapy including professionalism, credentialing, research, professional preparation, continuing education, health care, ethics, advocacy, legislation, marketing, and role of recreational therapy managers in addressing these issues.

**CTR 634 Advanced Procedures in Recreational Therapy 3**

Health care delivery service in community and medical arenas. Role of recreational therapy within that system. Administrative/managerial procedures.

**Prerequisites:** CTR 611 or permission of instructor.

**CTR 635 Animal Assisted Therapy 3**

An introduction to the theories, concepts, and techniques used in animal assisted therapy in long-term care, rehabilitation, acute care hospitals, special schools, and other settings.

**CTR 637 Advanced Interventions and Facilitation Techniques in Recreational Therapy 3**

Prepares students to select, plan, implement, and evaluate advanced recreational therapy interventions using various therapeutic facilitation techniques. Relevant efficacy research and theoretical foundations will be included.

**Prerequisites:** CTR 611 or permission of instructor.

**CTR 638 Advanced Client Assessment in Recreational Therapy 3**

Introduction to the theories, concepts and techniques used in client assessment for recreational therapy programs and treatment. Also addresses the administrative issues surrounding the development of an assessment plan and supervision issues surrounding the assessment process.

**Prerequisites:** CTR 611 or permission of instructor.

**CTR 639 Advanced Clinical Procedures in Recreational Therapy 3**

In this advanced clinical procedures course, students learn clinical skills related to the recreational therapy process with a focus on developing individualized treatment plans; developing clinical goals, objectives and treatment interventions; learning documentation, discharge planning, and evaluation skills.

**Prerequisites:** CTR 611 or permission of instructor.

**CTR 644 Recreation, Parks, and Health 3**

Examination of evidence regarding the impacts of recreation, parks, green space, and leisure on the health and well-being of individuals and communities.

**CTR 646 Community Development 3**

Historical, sociological, and contemporary investigations of the concept of "community" and how it is used for bringing together disparate networks, negotiating resource allocation, group solidarity and collaboration, and civic engagement.

**CTR 695 Independent Study 3**

Independent study to support graduate-level research and demonstration projects under the close supervision of a graduate faculty member in CTR.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit.

**CTR 696 Directed Readings 3**

Opportunity to conduct in-depth study and library work on a particular topic in recreation and parks under close supervision of a graduate faculty member in CTR.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit.

**CTR 697 Internship in Recreation and Parks 3-6**

A supervised field experience including a final paper.

**Prerequisites:** Written permission of instructor.

**CTR 698 Field Project in Recreation and Parks 3-6**

A supervised field project including a major literature-based paper.

**Prerequisites:** Written permission of instructor.

**CTR 699 Thesis 1-6**

Individual guidance in the development and examination of a research problem.

**Prerequisites:** Written permission of instructor.

**CTR 801 Thesis Extension 1-3**

Thesis Extension.

**CTR 803 Research Extension 1-3**

Research Extension.

# Comprehensive Transition and Postsecondary Education (CTP)

**CTP 104 Principles of Advocacy 3**

Introduction to principles of advocacy with emphasis on self-determination and personal responsibility in relationship to self, peers and community.

**Prerequisites:** Integrative Community Studies student.

**CTP 106 Introduction to Personal Finance 3**

Introduction to basic financial literacy skills including assessment of personal resources, budgeting and goal setting, and prioritization and/or tracking of personal spending habits.

**Prerequisites:** Integrative Community Studies student.

**CTP 111 Academic Success Planning 3**

Introduction to student-centered academic planning and goal setting with an emphasis on strategies for success in a college environment.

**Prerequisites:** Integrative Community Studies student.

**CTP 124 Human Rights 3**

Overview of concepts related to human rights, including Universal Declaration of Human Rights, different civil rights movement in the U.S., and the impact of discrimination on marginalized groups.

**Prerequisites:** Integrative Community Studies student.

**CTP 126 Financial Services, Providers, and Products 3**

Designed to increase knowledge of the different characteristics and functions of financial services and providers in the U.S., along with exploration of personal relationship to banking.

**Prerequisites:** Integrative Community Studies student.

**CTP 158 Introduction to Dimensions of Campus and Community 3**

Introduction to exploring a new campus community and making the most out of what it has to offer socially and recreationally, given individual interest and desires.

**Prerequisites:** Integrative Community Studies student.

**Notes:** May be repeated for a total of 6 s.h.

**CTP 190 First Year Practicum 2**

Course designed to enhance student's understanding of personal management and success through experiential learning activities.

**Prerequisites:** Integrative Community Studies student.

**Notes:** May be repeated once for credit.

**CTP 191 Introductory Independent Study 3**

Course is designed to provide the student with an introductory opportunity to participate in the creation of academic learning experiences geared to individual needs, interests, aptitudes, and desired outcomes through an independent academic project.

**CTP 204 Self-Determination and Community Engagement 4**

Through this course, students will explore and apply knowledge of the relationship between personal advocacy and self-determination in the context of community engagement.

**Prerequisites:** Integrative Community Studies student.

**CTP 206 Financial Security on a Budget 3**

Expanding knowledge of personal finance methods and strategies for maximizing financial resources as a student in college.

**Prerequisites:** CTP 106. Integrative Community Studies student.

**CTP 211 Navigating College Life 3**

Interactive seminar designed to build on student's knowledge of personal responsibility skills required for successful navigation of life on campus and in community.

**Prerequisites:** Integrative Community Studies student.

**CTP 214 Legislative Action 4**

Exploration of the basic functions of the various branches and areas of government, legislative processes, options for taking action, and personal interaction with legislators and public officials.

**Prerequisites:** Integrative Community Studies student.

**CTP 224 Holistic Success Planning 3**

Provides opportunities for deeper engagement with person-centered planning process through class-led meetings and activities.

**Prerequisites:** Integrative Community Studies student.

**CTP 257 Career Exploration 3**

Exploration of personal interests and strengths related to career goals: resume building, informational interviewing, and other discovery-related activities.

**Prerequisites:** Integrative Community Studies student.

**CTP 258 Comprehensive Transition and Postsecondary Education 3**

Follow-up to CTP 158, with emphasis on personal reflection and development of ability to adapt to a variety of social and recreational activities and/or settings in the greater community.

**Prerequisites:** CTP 158. Integrative Community Studies student;

**Notes:** May be repeated once for credit.

**CTP 267 Internship Preparation 3**

Professional preparation and planning for 156 hour internship experience.

**Prerequisites:** CTP 257. Integrative Community Studies student.

**CTP 290 Sophomore Practicum 2**

Course designed to give students an opportunity to further develop personal management and success through experiential learning activities.

**Prerequisites:** Integrative Community Studies student.

**Notes:** May be repeated once for credit.

**CTP 291 Independent Study 3**

Course is designed to provide the student with an opportunity to participate in the creation of academic learning experiences that are foundational to the ICS program of study through an independent academic project.

**CTP 306 Essential Elements of Credit Management 3**

Expanding knowledge of credit building and management skills including ability to protect oneself against identity theft, impact of bankruptcy, and other concepts related to long-term financial stability.

**Prerequisites:** Integrative Community Studies student.

**CTP 314 Planning to Protect Your Rights 3**

Exploration of individualized methods of goal planning and development of support networks with eye to preservation of person-centered process through a firm understanding of the Disability Rights Movement.

**Prerequisites:** CTP 224. Integrative Community Studies student.

**CTP 324 Directing Your Resources 3**

Interactive seminar designed to broaden knowledge of philosophy of self-direction and practical strategies for building self-directed supports in the community.

**Prerequisites:** CTP 224, CTP 314; or permission of instructor; Integrative Community Studies student.

**CTP 326 Personal Financial Planning Seminar 3**

Interactive seminar providing overview of taxpayer rights and responsibilities, tax regulations, and expansion of asset building strategies. Culmination of CTP finance curriculum offering basis for development of post-college financial plan.

**Prerequisites:** CTP 106, CTP 206; CTP 306; Integrative Community Studies student.

**CTP 390 Junior Practicum 3**

Course designed to enhance student's understanding of personal management and success through experiential learning activities in their junior year at UNCG.

**CTP 391 Advanced Independent Study 3**

Course is designed to provide the student with an opportunity to participate in the creation of academic learning experiences through the development of an advanced independent academic project that furthers learning in a desired area of interest.

**CTP 393 Internship 2**

Practical experience in the desired career field.

**Prerequisites:** CTP 257, CTP 267; Integrative Community Studies student;

**Notes:** May be repeated once for credit.

**CTP 404 Senior Seminar 3**

Interactive seminar that focuses on the development of presentation skills and strategies for the effective use of the senior capstone portfolio as a tool for sustained self-direction.

**Prerequisites:** Integrative Community Studies student.

**Notes:** May be repeated for a total of 6 s.h.

**CTP 459 Senior Practicum 3**

Guided practice of activities designed to increase self-direction skills.

**Prerequisites:** Integrative Community Studies student.

**CTP 490 Senior Capstone Portfolio 3**

Development of senior portfolio that outlines student progress and overall command of the learning outcomes within the program of study.

**Prerequisites:** Integrative Community Studies student.

**Notes:** May be repeated once for credit.

**CTP 492 Internship and Job Development 3**

Practical experience in desired career field with emphasis on development of skills necessary to identify job-related needs and negotiate with potential employers.

**Prerequisites:** CTP 257, CTP 267; CTP 393; Integrative Community Studies student;

**Notes:** May be repeated once for credit.

## Computational Analytics (IAC)

**IAC 620 Algorithm Analysis and Design 3**

An examination of topics in algorithm design and analysis including sequential algorithm design and complexity analysis, dynamic programming, greedy algorithms, and graph algorithms. Also covers selected advanced topics from NP-completeness; approximation, randomized, parallel, number-theoretic algorithms; Fast Fourier Transform; computational geometry; and string matching.

**IAC 621 Data Science 3**

Problem-based learning introduction to data science, including programming with data; data mining, munging, and wrangling; statistics, analytics, and visualization towards scientific, social, and environmental challenges.

**IAC 622 Big Data and Machine Learning 3**

Big data definitions and characteristics, computing environment for big data management and processing, machine learning models and algorithms, and scaling up machine learning (high dimensionality reduction).

**IAC 689 Capstone Project in Computational Analytics 3**

Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.

## Computer Science (CSC)

**CSC 100 The Beauty and Joy of Computing 3**

A broad-based introduction to key concepts and principles of computer science. Exploration of seven big ideas of computing: creativity, abstraction, data, algorithms, programming, the Internet, and impact of computing.

**CSC 101 Introduction to Computer Concepts 3**

Introduction to computers and computing. Topics cover impact of computers on society, ethical issues, hardware, and software applications.

**CSC 105 Data, Computing, and Quantitative Reasoning 3**

Problem-based introduction to quantitative reasoning, including computational methods; formulation of quantitative arguments; algorithmic understanding, selection, and utilization; data modeling, interpretation, and summarization of results, on real world datasets.

**MAC:** MAC Quantitative Reasoning

**CSC 110 Computational Problem Solving 3**

Using computing to apply mathematical concepts in developing algorithmic solutions to real-world problems, stressing analysis and logical reasoning. A modern programming language will be introduced for examples and assignments.

**Prerequisites:** Non-Computer Science majors only or permission of instructor.

**CSC 120 Introduction to Computer Programming for Non-Majors 3**

Introduction to computer programming for non-computer science majors, including programming concepts of variables, expressions, decision statements, iteration, functions, and modular design. Language and applications chosen to be relevant to non-majors.

**CSC 130 Introduction to Computer Science 3**

Programming in a high-level language. Emphasis on problem analysis, problem-solving techniques, and software design principles and techniques.

**Prerequisites:** Grade of at least C (2.0) in MAT 120, MAT 150, MAT 151, MAT 183, MAT 184, MAT 190, MAT 191, or MAT 196.

**Notes:** Computer Science majors should not take MAT 120, MAT 183, or MAT 184.

**CSC 220 Elementary Data Structures-A Transition 3**

Comparison between Java and other high level languages. Advanced syntax of Java. Emphasis on modularization and abstraction. Big-O analysis of algorithms. Design and use of abstract data types with various implementations.

**Prerequisites:** Grade of at least C (2.0) in CSC 120 or permission of the instructor.

**CSC 230 Elementary Data Structures and Algorithms 3**

Advanced syntax of high level language taught in CSC 130. Emphasis on modularization and abstraction. Big-O analysis of algorithms. Design and use of abstract data types with various implementations.

**Prerequisites:** Grade of at least C (2.0) in CSC 130.

**CSC 250 Foundations of Computer Science I 3**

An introduction to the fundamental ideas underlying contemporary computer science with a focus on the computation and construction of objects.

**Prerequisites:** Grade of at least C (2.0) in CSC 130 or permission of instructor.

**CSC 261 Computer Organization and Assembly Language 3**

Introduction to the organization of the computer through the use of Assembly Language programming. Data representation, parts of the computer system, Assembly Language fundamentals, instruction sets, memory, and floating-point operations.

**Prerequisites:** Grade of at least C (2.0) in CSC 130 or permission of instructor.

**CSC 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**CSC 312 Ethics in Computer Science 1**

Historical and social context of computing, ethical responsibilities of the computing professional, intellectual property rights, and risks and liabilities.

**Prerequisites:** Grade of at least C (2.0) in CSC 230 and in CSC 250, or permission of instructor.

**Notes:** Computer Science majors only.

**CSC 330 Advanced Data Structures 3**

Static and dynamic data structures emphasizing binary trees and graphs. Advanced programming techniques. Advanced sorting and searching algorithms. Hashing techniques. Performance analysis. Methods of developing large applications programs.

**Prerequisites:** Grade of at least C (2.0) in CSC 220 or CSC 230 and in CSC 250 or MAT 253.

**CSC 339 Concepts of Programming Languages 3**

Concepts of block-structured, object-oriented, functional, logic, and concurrent programming languages. Comparative study of syntactic and semantic features of these languages and writing programs using them.

**Prerequisites:** Grade of at least C (2.0) in CSC 330.

**CSC 340 Software Engineering 3**

Practical and theoretical concepts of software engineering.

**CIC:** CIC College Writing

**Prerequisites:** Grade of at least C (2.0) in CSC 330.

**CSC 350 Foundations of Computer Science II 3**

High level concepts in the theoretical foundations of computer science.

**Prerequisites:** Grade of at least C (2.0) in CSC 250, or permission of instructor.

**CSC 362 System Programming 3**

System programming with emphasis on processes, memory management, multithreaded programming, synchronization and deadlocks, interprocess communication, parallel and distributed computing, networking, files systems, security, signals, and virtualization containers.

**Prerequisites:** Grade of C or better in CSC 230 and CSC 261, or permission of instructor.

**CSC 405 Data Science 3**

Problem-based learning introduction to Data Science, including programming with data; data mining, munging, and wrangling; statistics, analytics, and visualization, towards scientific, social, and environmental challenges.

**Prerequisites:** A grade of B+ or better in CSC 330 and (STA 271 or STA 290), or permission of instructor (prior programming and statistics experience is required).

**CSC 407 Network Analysis 3**

Concepts and methods of network analysis, including network data extraction, management, model, visualization, and analysis of network structure and dynamics.

**Prerequisites:** Grade C or better in CSC 330, or permission of instructor.

**CSC 410 Big Data and Machine Learning 3**

Big data definitions and characteristics, computing environment for big data management and processing, machine learning models and algorithms, and scaling up machine learning (high dimensionality reduction).

**Prerequisites:** A grade of C or better in CSC 330 and (STA 271 or STA 290), or permission of instructor.

**CSC 411 Advanced Data Science 3**

Experiential learning towards advanced concepts of Data Science, including efficient and parallel programming with large scale datasets, advanced data organization and storage, applied machine learning and inferencing, towards real-world challenges.

**Prerequisites:** A grade of B+ or better in CSC 405 and CSC 410.

**CSC 415 Computer Graphics 3**

Survey of graphics algorithms, data structures, and techniques.

**Prerequisites:** Grades of at least C (2.0) in CSC 340, CSC 350, and either MAT 292 or MAT 296, or permission of instructor.

**CSC 416 Digital Image Processing 3**

Image representation, enhancement, compression, coding, restoration, and wavelet transforms.

**Prerequisites:** Grades of at least C (2.0) in CSC 330, CSC 350, and either MAT 292 or MAT 296, or permission of instructor. Successful completion of STA 271 or STA 290 recommended.

**CSC 417 Deep Learning in Computer Vision 3**

Concepts of state-of-the-art deep learning architectures, algorithms for various computer vision tasks (e.g., such as image classification, object detection, semantic segmentation, image generation, and high-dimensional image analysis), and hands-on exercises and project.

**Prerequisites:** Grade C or better in CSC 330, or permission of instructor.

**CSC 425 Bioinformatics 3**

Introduction to the problems and methods in Bioinformatics. Problem areas include restriction mapping, map assembly, sequencing, DNA arrays, and sequence comparison.

**Prerequisites:** Permission of instructor.

**CSC 427 Numerical Analysis and Computing 3**

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

**Prerequisites:** Grade of at least C (2.0) in MAT 293 or MAT 296, or permission of instructor.

**CSC 429 Artificial Intelligence 3**

Logical foundations, knowledge representation and reasoning, search, and selected topics such as natural language processing and reasoning under uncertainty.

**Prerequisites:** Grade of at least C (2.0) in CSC 330 and CSC 350 or permission of instructor.

**CSC 439 Introduction to Compiler Design 3**

Basic techniques of compiler design and implementation: lexical analysis, parsing, code generation. Sizable programming project implementing a compiler for a block-structured language with strong typing.

**Prerequisites:** Grades of at least C (2.0) in CSC 261 and CSC 330 or permission of instructor.

**Notes:** Successful completion of CSC 432 helpful.

**CSC 442 Human-Computer Interface Development 3**

Survey of concepts and techniques for human-computer interface development. Topics include user-centered design, user interface programming, and usability evaluation.

**Prerequisites:** Grades of at least C (2.0) in CSC 340 or permission of instructor.

**CSC 452 Theory of Computation 3**

Finite state automata and regular expressions, context-free grammars, push-down automata and their use in parsing, overview of language translation systems, models for programming language semantics, computability and undecidability.

**Prerequisites:** Grade of at least C (2.0) in CSC 350. or permission of instructor.

**CSC 454 Algorithm Analysis and Design 3**

Sequential algorithm design and complexity analysis. Dynamic programming. Greedy algorithms. Graph algorithms. Selected advanced topics from NP-completeness; approximation, randomized, parallel, number-theoretic algorithms; Fast Fourier Transform; computational geometry; string matching.

**Prerequisites:** Grade of at least C (2.0) in CSC 330.

**CSC 461 Principles of Computer Architecture 3**

Hardware and software components of computer systems, their organization and operations. Topics: comparative instruction set architectures, microprogramming, memory management, processor management, I/O, interrupts, and emulation of processors.

**Prerequisites:** Grades of at least C (2.0) in CSC 261, CSC 330, and CSC 350, or permission of instructor.

**CSC 462 Principles of Operating Systems 3**

Techniques and strategies used in operating system design and implementation: managing processes, input/output, memory, scheduling, file systems, and protection.

**Prerequisites:** Grades of at least C (2.0) in CSC 340 and CSC 362 or permission of instructor.

**Notes:** Successful completion of CSC 461 helpful.

**CSC 471 Principles of Database Systems 3**

Contemporary database systems. Emphasis on query processing, design, and implementation of applications in relational (SQL) databases. Introduction to other database models such as XML, object-oriented, and deductive.

**Prerequisites:** Grade of at least C (2.0) in CSC 330, or permission of instructor.

**CSC 474 Principles of Data Mining 3**

Foundation and principles of data mining-Architecture, languages, data preparation and core algorithms including association mining, classification and clustering will be discussed. Topics such as graph mining may also be covered.

**Prerequisites:** CSC 471 or permission of instructor.

**CSC 477 Principles of Computer Networks 3**

Hardware and software components of computer networks, their organization and operations. Topics: open system interconnection; local area networks; TCP/IP internetworking, routing, and packet switching; network programming.

**Prerequisites:** Grades of at least C (2.0) in CSC 261 and CSC 330, or permission of instructor.

**CSC 478 Principles of Wireless Networks 3**

Digital communications, communication networks, wireless communication technology, wireless networking, wireless LANs, and wireless network programming.

**Prerequisites:** Grades of at least C (2.0) in CSC 330 and CSC 477, or permission of instructor.

**CSC 481 Principles of Computer Security 3**

Core concepts in computer security, including the security goals of confidentiality, integrity, and availability; authentication; access control; security software development; use of cryptography; and basic network security.

**Prerequisites:** Grade of C or better in CSC 330 and CSC 362, or permission of instructor.

**CSC 485 Modern Cryptography 3**

Theory and practice of cryptography, emphasizing formal models and security reasoning. Primitives covered include private and public-key encryption, message authentication codes, hash functions, digital signatures, secret sharing, and zero-knowledge proofs.

**Prerequisites:** A grade of C or better in CSC 481, or permission of instructor.

**CSC 487 Network Security 3**

The course explores the network security concepts of communication protocols; security in routing; remote authentication; access policies; web security; network vulnerabilities; intrusion detection and prevention; and network traffic analysis.

**Prerequisites:** Grade of C or better in CSC 481 or permission of instructor.

**CSC 490 Senior Capstone 3**

Application of classroom knowledge and skills in computer science to solve real-world problems and to develop research and development skills.

**CIC:** CIC College Writing

**Prerequisites:** Permission of instructor. student must be in the final semester of major coursework.

**CSC 492 Directed Study in Computer Science 1-3**

Directed Study in Computer Science.

**CSC 493 Honors Work in Computer Science 3**

Research in a topic of special interest at the Honors level.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic changes.

**CSC 494 Directed Study in Computer Science 1-3**

Notes: Grade: Pass/Not Pass (P/NP).

**CSC 495 Selected Topics in Computer Science 3**

A topic of special interest is studied in depth.

**Prerequisites:** Junior standing and permission of instructor.

**Notes:** May be repeated for credit for a total of 6 s.h. when topic of study changes.

**CSC 605 Data Science 3**

Problem-based learning introduction to Data Science, including programming with data; data mining, munging, and wrangling; statistics, analytics, and visualization, towards scientific, social, and environmental challenges.

**Prerequisites:** Permission of instructor (prior programming and statistics experience is required).

**CSC 607 Network Analysis 3**

Concepts and methods of network analysis, including network data extraction, management, model, visualization, and analysis of network structure and dynamics.

**CSC 610 Big Data and Machine Learning 3**

Big data definitions and characteristics, computing environment for big data management and processing, machine learning models and algorithms, and scaling up machine learning (high dimensionality reduction).

**CSC 611 Advanced Data Science 3**

Experiential learning towards advanced concepts of Data Science, including efficient and parallel programming with large scale datasets, advanced data organization and storage, applied machine learning and inferencing, towards real-world challenges.

**Prerequisites:** Grade of B+ or better in CSC 605 and CSC 610.

**CSC 615 Computer Graphics 3**

Survey of graphics algorithms, data structures, and techniques.

**CSC 616 Digital Image Processing 3**

Image representation, enhancement, compression, coding, restoration, and wavelet transforms.

**CSC 617 Deep Learning in Computer Vision 3**

Concepts of state-of-the-art deep learning architectures, algorithms for various computer vision tasks (e.g., such as image classification, object detection, semantic segmentation, image generation, and high-dimensional image analysis), hands-on exercises and project, and research topics.

**CSC 625 Bioinformatics 3**

Introduction to the problems and methods in Bioinformatics. Problem areas include restriction mapping, map assembly, sequencing, DNA arrays, and sequence comparison.

**Prerequisites:** Permission of instructor.

**CSC 626 Advanced Bioinformatics 3**

Advanced topics in bioinformatics related to sequence comparison and database search, fragment assembly of DNA, physical mapping of DNA, phylogenetic trees, genome rearrangements, and molecular structure prediction.

**Prerequisites:** CSC 526 or permission of instructor.

**CSC 627 Numerical Analysis and Computing 3**

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

**CSC 629 Artificial Intelligence 3**

Logical foundations, knowledge representation and reasoning, search, and selected topics such as natural language processing and reasoning under uncertainty.

**CSC 630 Fundamentals of Health Informatics 3**

Introduction to healthcare data, data systems, and different kinds of applications of analytics for health care, including clinical and research applications.

**Notes:** Students cannot receive credit for both IAH 630 and CSC 630.

**CSC 631 Artificial Intelligence in Healthcare 3**

Problem-based learning with artificial intelligence approaches of data science, data mining, statistics, and machine/deep learning, directed towards solving quantitative problems in the domain of healthcare analytics.

**Notes:** Students cannot receive credit for both IAH 631 and CSC 631.

**CSC 632 Ethics and Intellectual Property for Informatics and Analytics 3**

Students engage relevant ethical and legal issues pertaining to datafication and intellectual property for informatics and analytics. Students conduct ethics and intellectual property research for a particular domain and produce reports and presentations using reproducible methods.

**Notes:** Students cannot receive credit for both IAL 632 and CSC 632.

**CSC 639 Introduction to Compiler Design 3**

Basic techniques of compiler design and implementation: lexical analysis, parsing, code generation. Sizable programming project implementing a compiler for a block-structured language with strong typing.

**Notes:** Successful completion of CSC 652 is helpful.

**CSC 640 Software Engineering 3**

Organization and scheduling of software engineering projects and structured software design. Specification methods, metrics, software engineering tools, design, prototyping, version control, and testing.

**CSC 642 Human-Computer Interface Development 3**

Survey of concepts and techniques for human-computer interface development. Topics include user-centered design, user interface programming, and usability evaluation.

**CSC 652 Theory of Computation 3**

Finite state automata and regular expressions, context-free grammars, push-down automata and their use in parsing, overview of language translation systems, models for programming language semantics, computability and undecidability.

**CSC 653 Advanced Theory of Computation 3**

Computability theory including Church-Turing thesis (Turing machines, variants, other models), decidability (decidable and undecidable problems for automata and grammars, the halting problem), reducibility (undecidability of mathematical truth).

**Prerequisites:** CSC 452, CSC 652, or permission of instructor.

**CSC 654 Algorithm Analysis and Design 3**

Sequential algorithm design and complexity analysis. Dynamic programming. Greedy algorithms. Graph algorithms. Selected advanced topics from NP-completeness; approximation, randomized, parallel, number-theoretic algorithms; Fast Fourier Transform; computational geometry; string matching.

**CSC 655 Advanced Topics in Algorithms 3**

Modern development of algorithm design and analysis for sequential and parallel computers; parallel, number-theoretic, probabilistic, and approximation algorithms, string matching, computational geometry, NP-completeness: worst-case versus average-case.

**Prerequisites:** Grade of at least C in CSC 454 or CSC 654.

**CSC 656 Foundations of Computer Science 3**

Introduces the mathematical foundations that support advanced studies in computer science including computer programming and the analysis of algorithms.

**CSC 661 Principles of Computer Architecture 3**

Hardware and software components of computer systems, their organization and operations. Topics: comparative instruction set architectures, microprogramming, memory management, processor management, I/O, interrupts, and emulation of processors.

**CSC 662 Principles of Operating Systems 3**

Techniques and strategies used in operating system design and implementation: managing processes, input/output, memory, scheduling, file systems, and protection.

**Notes:** Successful completion of CSC 661 is helpful.

**CSC 663 Advanced Topics in Computer Systems 3**

Distributed and parallel systems. High-speed and wireless networks. Mobile computing. Communication, synchronization, distributed shared memory, real-time and fault-tolerant systems; current implementations.

**Prerequisites:** CSC 330 and CSC 567 or CSC 561 or CSC 562 or permission of instructor.

**Notes:** May be repeated for credit when topics vary.

**CSC 671 Advanced Database Systems 3**

Modern database models. User interface and operations. Applications design. Introduction to multi-database systems: interoperability and data integration. Selected topics of current interest.

**CSC 672 Database System Architecture 3**

File organization and indexing techniques. Query processing and optimization. Concurrency control and crash recovery. Distributed and heterogeneous database systems. Selected topics of current interest in database and knowledge-base systems.

**Prerequisites:** CSC 471 or CSC 671 or permission of instructor.

**CSC 674 Principles of Data Mining 3**

Foundation and principles of data mining-Architecture, languages, data preparation and core algorithms including association mining, classification and clustering will be discussed. Topics such as graph mining may be also covered.

**Prerequisites:** CSC 471 or permission of instructor.

**CSC 676 Topics in Database Systems 3**

Selected topics of current interest such as: deductive databases, modeling and management of uncertain and inaccurate information, multi-database systems, data mining, on-line analytical processing and data warehousing.

**Prerequisites:** CSC 671 or permission of instructor.

**CSC 677 Principles of Computer Networks 3**

Hardware and software components of computer networks, their organization and operations. Topics: open system interconnection; local area networks; TCP/IP internetworking, routing, and packet switching; network programming.

**CSC 678 Principles of Wireless Networks 3**

Digital communications, communication networks, wireless communication technology, wireless networking, wireless LANs, and wireless network programming.

**Prerequisites:** CSC 677 or permission of instructor.

**CSC 681 Principles of Computer Security 3**

Core concepts in computer security, including the security goals of confidentiality, integrity, and availability; authentication; access control; security software development; use of cryptography; and basic network security.

**CSC 685 Modern Cryptography 3**

Theory and practice of cryptography, emphasizing formal models and security reasoning. Primitives covered include private and public-key encryption, message authentication codes, hash functions, digital signatures, secret sharing, and zero-knowledge proofs.

**Prerequisites:** Grade of C or better in CSC 481 or CSC 681 or permission of instructor.

**CSC 687 Network Security 3**

The course explores the network security concepts of communication protocols, security in routing, remote authentication, access policies, web security, network vulnerabilities, intrusion detection and prevention, and network traffic analysis.

**Prerequisites:** Grade of C or better in CSC 481 or CSC 681 or permission of instructor.

**CSC 692 Directed Study in Computer Science 1-3**

Directed Study in Computer Science.

**CSC 693 Advanced Topics in Computer Science 3-6**

Algorithms, architecture, languages, systems, theory, or other areas of computer science.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit.

**CSC 694 Directed Study in Computer Science 1-3**

Notes: Grade: Pass/Not Pass (P/NP).

**CSC 697 Research Problems in Computer Science 3**

Advanced research in specialized areas of computer science under the direction of a faculty member. Preparation for master's thesis.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CSC 698 Project in Computer Science 3-6**

Prerequisite: Permission of instructor;

**Notes:** May be repeated for up to 6 credit hours with permission of instructor. Grade: Satisfactory/Unsatisfactory (S/U).

**CSC 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**CSC 701 Doctoral Student Orientation 3**

Introduction to computer science research and standards in different areas of computer science. Particular emphasis on research in the department with faculty-presented research presentations.

**Prerequisites:** Permission of instructor.

**CSC 705 Data Science 3**

Problem-based learning introduction to Data Science, including programming with data; data mining, munging, and wrangling; statistics, analytics, and visualization, towards scientific, social, and environmental challenges.

**Prerequisites:** Permission of instructor (prior programming and statistics experience is required).

**CSC 707 Network Analysis 3**

Concepts and methods of network analysis, including network data extraction, management, model, visualization, and analysis of network structure and dynamics.

**CSC 709 Big Data and Machine Learning 3**

Big data definitions and characteristics, computing environment for big data management and processing, machine learning models and algorithms, and scaling up machine learning (high dimensionality reduction).

**CSC 710 Advanced Topics in Algorithms 3**

In-depth exploration of an advanced topic in algorithms. Topic varies by semester, and includes topics such as randomized algorithms, parallel algorithms, online algorithms, approximation algorithms, and quantum computing/algorithms.

**Prerequisites:** CSC 654.

**CSC 711 Advanced Data Science 3**

Experiential learning towards advanced concepts of Data Science, including efficient and parallel programming with large scale datasets, advanced data organization and storage, applied machine learning and inferencing, towards real-world challenges.

**Prerequisites:** Grade of B+ or better in CSC 705 and CSC 709.

**CSC 712 Advanced Topics in Image Processing 3**

In-depth exploration of an advanced topic in image processing. Topic varies by semester, and includes topics such as image enhancement, image analysis, machine (deep) learning-based image processing.

**Prerequisites:** CSC 616.

**CSC 715 Computer Graphics 3**

Survey of graphics algorithms, data structures, and techniques.

**CSC 716 Digital Image Processing 3**

Image representation, enhancement, compression, coding, restoration, and wavelet transforms.

**CSC 717 Deep Learning in Computer Vision 3**

Concepts of state-of-the-art deep learning architectures, algorithms for various computer vision tasks (e.g., such as image classification, object detection, semantic segmentation, image generation, and high-dimensional image analysis), hands-on exercises and project, and research topics.

**Prerequisites:** Permission of instructor.

**CSC 721 Advanced Computer Graphics 3**

Advanced computer graphics algorithms, data structures, and techniques.

**Prerequisites:** CSC 715 or permission of instructor.

**CSC 722 Advanced Topics in Computer Security 3**

In-depth exploration of an advanced topic in computer security. Topic varies by semester, and includes topics such as system security, software security, web security, and network security.

**Prerequisites:** CSC 681.

**CSC 724 Advanced Topics in Networks 3**

In-depth exploration of an advanced topic in networks. Topic varies by semester, and includes topics such as cloud systems, data center services, network computing, Internet of Things, social networks, software defined networks, and network security.

**Prerequisites:** CSC 677.

**CSC 725 Bioinformatics 3**

Introduction to the problems and methods in Bioinformatics. Problem areas include restriction mapping, map assembly, sequencing, DNA arrays, and sequence comparison.

**Prerequisites:** Permission of instructor.

**CSC 726 Advanced Bioinformatics 3**

Advanced topics in bioinformatics related to sequence comparison and database search, fragment assembly of DNA, physical mapping of DNA, phylogenetic trees, genome rearrangements, and molecular structure prediction.

**Prerequisites:** CSC 725 or permission of instructor.

**CSC 727 Numerical Analysis and Computing 3**

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

**CSC 729 Artificial Intelligence 3**

Logical foundations, knowledge representation and reasoning, search, and selected topics such as natural language processing and reasoning under uncertainty.

**CSC 730 Advanced Topics in Artificial Intelligence 3**

In-depth exploration of an advanced topic in artificial intelligence. Topic varies by semester, and includes topics such as natural language processing, argument mining, and intelligent tutoring systems.

**Prerequisites:** CSC 629.

**CSC 732 Advanced Topics in Databases 3**

In-depth exploration of an advanced topics in database. Topic varies by semester, and includes topics such as complex data types, big data analytics, parallel and distributed databases, advanced indexing, advanced application development, and blockchain databases.

**Prerequisites:** CSC 671.

**CSC 734 Advanced Topics in Bioinformatics 3**

In-depth exploration of an advanced topic in bioinformatics. Topic varies by semester, and includes topics such as ontologies, big biological data analysis, hypothesis testing for biological applications, text mining and natural language processing, etc.

**Prerequisites:** CSC 626.

**CSC 736 Advanced Topics in Machine Learning 3**

In-depth exploration of an advanced topic in machine learning. Topic varies by semester, and includes topics such as statistical computing approaches, model building techniques, graph analytics, big data analytics, and emerging machine learning approaches.

**Prerequisites:** CSC 610.

**CSC 738 Software Engineering 3**

Organization and scheduling of software engineering projects and structured software design. Specification methods, metrics, software engineering tools, design, prototyping, version control, and testing.

**CSC 739 Introduction to Compiler Design 3**

Basic techniques of compiler design and implementation: lexical analysis, parsing, code generation. Sizable programming project implementing a compiler for a block-structured language with strong typing.

**Notes:** Successful completion of CSC 752 is helpful.

**CSC 740 Current Research in Computer Science 3**

Discussion of current research in an area of computer science not covered by available current research courses, including problems in theoretical computer science, programming languages, software engineering, or other areas.

**Prerequisites:** Permission of instructor.

**CSC 741 Current Research in Artificial Intelligence 3**

Discussion of current research in a focused problem area of artificial intelligence, which could include problems in natural language processing, argument mining, or intelligent tutoring systems. Topics will be announced with each offering.

**Prerequisites:** Permission of instructor.

**CSC 742 Current Research in Systems 3**

Discussion of current research in a focused problem area of computer systems, which could include problems in operating systems, architecture, networking, or security. Topics will be announced with each offering.

**Prerequisites:** Permission of instructor.

**CSC 743 Current Research in Database 3**

Discussion of current research in a focused problem area of database, which could include problems in data warehousing and online analytical processing, data mining, social networks, or data streaming.

**Prerequisites:** Permission of instructor.

**CSC 744 Human-Computer Interface Development 3**

Survey of concepts and techniques for human-computer interface development. Topics include user-centered design, user interface programming, and usability evaluation.

**CSC 745 Computing Research with Applications in Physical Sciences 3**

Discussion of current research in a focused problem area of interdisciplinary computational research spanning across domains including but not limited to biology, chemistry, and geography. Problems will include novel computational approaches and developments in computer science with applications in one of the physical sciences.

**Prerequisites:** Permission of instructor.

**CSC 746 Computing Research with Applications in Social Sciences 3**

Discussion on research problems and solutions for large-scale datasets in the domain of Social Sciences. Research topics could include distributed databases, data mining/fusion/privacy, machine learning and/or statistical approaches.

**Prerequisites:** Permission of instructor.

**CSC 747 Computing Research with Applications in Health Sciences 3**

Discussion of current research in the domain-focused problems for health sciences which include biomedical image processing/analysis, multimodal/high-dimensional/longitudinal biomedical data analysis, machine/deep learning, and statistical analysis.

**Prerequisites:** Permission of instructor.

**CSC 752 Theory of Computation 3**

Finite state automata and regular expressions, context-free grammars, push-down automata and their use in parsing, overview of language translation systems, models for programming language semantics, computability and undecidability.

**CSC 753 Advanced Theory of Computation 3**

Computability theory including Church-Turing thesis (Turing machines, variants, other models), decidability (decidable and undecidable problems for automata and grammars, the halting problem), reducibility (undecidability of mathematical truth).

**Prerequisites:** CSC 752 or permission of instructor.

**CSC 754 Algorithm Analysis and Design 3**

Sequential algorithm design and complexity analysis. Dynamic programming. Greedy algorithms. Graph algorithms. Selected advanced topics from NP-completeness; approximation, randomized, parallel, number-theoretic algorithms; Fast Fourier Transform; computational geometry; string matching.

**CSC 756 Foundations of Computer Science 3**

Introduces the mathematical foundations that support advanced studies in computer science including computer programming and the analysis of algorithms.

**CSC 761 Principles of Computer Architecture 3**

Hardware and software components of computer systems, their organization and operations. Topics: comparative instruction set architectures, microprogramming, memory management, processor management, I/O, interrupts, and emulation of processors.

**CSC 762 Principles of Operating Systems 3**

Techniques and strategies used in operating system design and implementation: managing processes, input/output, memory, scheduling, file systems, and protection.

**Notes:** Successful completion of CSC 761 is helpful.

**CSC 763 Advanced Topics in Computer Systems 3**

Distributed and parallel systems. High-speed and wireless networks. Mobile computing. Communication, synchronization, distributed shared memory, real-time and fault-tolerant systems; current implementations.

**Prerequisites:** CSC 667 or CSC 761 or CSC 762 or permission of instructor.

**Notes:** May be repeated for credit when topics vary.

**CSC 765 Advanced Wireless Networks 3**

Wireless technology and architecture, wireless network types, wireless network design approaches, wireless application development and wireless network programming.

**Prerequisites:** CSC 761 or CSC 762 or CSC 777 or permission of instructor.

**CSC 771 Advanced Database Systems 3**

Modern database models. User interface and operations. Applications design. Introduction to multi-database systems: interoperability and data integration. Selected topics of current interest.

**CSC 772 Database System Architecture 3**

File organization and indexing techniques. Query processing and optimization. Concurrency control and crash recovery. Distributed and heterogeneous database systems. Selected topics of current interest in database and knowledge-base systems.

**Prerequisites:** CSC 771 or permission of instructor.

**CSC 774 Principles of Data Mining 3**

Foundation and principles of data mining-Architecture, languages, data preparation and core algorithms including association mining, classification and clustering will be discussed. Topics such as graph mining may be also covered.

**Prerequisites:** Permission of instructor.

**CSC 775 Principles of XML Databases 3**

XML from a database point of view, concentrating on information retrieval (querying) and integration.

**Prerequisites:** CSC 771 or permission of instructor.

**CSC 776 Topics in Database Systems 3**

Selected topics of current interest such as deductive databases, modeling and management of uncertain and inaccurate information, multi-database systems, data mining, on-line analytical processing and data warehousing.

**Prerequisites:** CSC 771 or permission of instructor.

**CSC 777 Principles of Computer Networks 3**

Hardware and software components of computer networks, their organization and operations. Topics: open system interconnection; local area networks; TCP/IP internetworking, routing, and packet switching; network programming.

**CSC 778 Principles of Wireless Networks 3**

Digital communications, communication networks, wireless communication technology, wireless networking, wireless LANs, and wireless network programming.

**Prerequisites:** CSC 777 or permission of instructor.

**CSC 781 Principles of Computer Security 3**

Core concepts in computer security, including the security goals of confidentiality, integrity, and availability; authentication; access control; security software development; use of cryptography; and basic network security.

**CSC 785 Modern Cryptography 3**

Theory and practice of cryptography, emphasizing formal models and security reasoning. Primitives covered include private and public-key encryption, message authentication codes, hash functions, digital signatures, secret sharing, and zero-knowledge proofs.

**Prerequisites:** CSC 781 or permission of instructor.

**CSC 787 Network Security 3**

The course explores the network security concepts of communication protocols, security in routing, remote authentication, access policies, web security, network vulnerabilities, intrusion detection and prevention, and network traffic analysis.

**Prerequisites:** CSC 781 or permission of instructor.

**CSC 790 Independent Research 1-6**

Work on a research problem, supervised by a faculty member.

**Prerequisites:** Permission of instructor.

**CSC 799 Dissertation 1-12**

Dissertation Research.

**Prerequisites:** Permission of instructor.

**Notes:** May be retaken for a total of at most 30 credits.

**CSC 801 Thesis Extension 1-3**

Thesis Extension.

**CSC 803 Research Extension 1-3**

Research Extension.

## Consortium (CNS)

**CNS 100A Inter-Institutional Bennett 99.99****CNS 100B Inter Inst Greensboro College 99.99****CNS 100C Inter Inst Guilford College 99.99****CNS 100E Inter Inst High Point College 99.99****CNS 100F Inter Inst N C A/T State Univ 99.99****CNS 100G Inter Inst UNC Chapel Hill 99.99****CNS 100H Inter Inst N C State Univ 99.99****CNS 100I Inter Inst Duke University 99.99****CNS 100J Inter Inst UNC Charlotte 99.99****CNS 100K Inter Inst Guil Tech Comm Coll 99.99****CNS 100L Inte Inst Elon University 99.99****CNS 100M Inter Inst N C Central Univ 99.99****CNS 500 Consortium Elective 1-6****CNS 550 Consortium Elective 1-6**

## Consumer, Apparel, and Retail Studies (CRS)

**CRS 211 Textile Science: From Fiber to Finish 3**

Principles of textile science with emphasis on fiber chemical composition, physical structure, and properties; analyses of yarn and fabric structures and properties; and fundamentals of coloration and finishing.

**CRS 221 Global Perspectives on Culture, the Body, and Dress 3**

Exploration of global practices and thought around dressing the body within a socio-cultural context.

**MAC:** MAC Global and Intercultural

**CRS 231 Introduction to Apparel and Related Industries: From Concept to Consumer 3**

Interaction of the consumer with apparel, retail, and associated industries. Overview of industry processes from raw material to consumption for apparel and other consumer products. Career opportunities explored.

**CRS 242 Foundations of Design in the Digital Environment 3**

Application of design principles to branding and marketing concepts in the digital environment. Emphasis placed on the use of digital and/or virtual technologies such as Photoshop and Illustrator.

**Corequisites:** CRS 242L.

**CRS 242L Foundations of Design in the Digital Environment Lab 0**

Computer lab supporting CRS 242.

**Corequisites:** CRS 242.

**Notes:** No grade is awarded with this course number. grades are awarded with the lecture course.

**CRS 255 Consumer Behavior in Apparel and Related Industries 3**

An interdisciplinary study of how and why consumers make specific decisions and behave as they do. Principles and strategic implications of consumer behaviors for apparel and related industries.

**CRS 262 Fashion and Social Media Marketing 3**

Approaches to fashion branding and marketing communication. Focus on integrating digital and social media strategies with innovative technologies.

**CRS 312 Technical Apparel Analysis 3**

Overview of the physical structure and properties of fiber, yarns, fabric, and apparel. Examination and evaluation of ready-to-wear apparel and related consumer goods from a consumer perspective.

**Prerequisites:** Minimum grade of C (2.0) in CRS 211.

**Corequisites:** CRS 312L.

**CRS 312L Technical Apparel Analysis Lab 0**

Laboratory supporting CRS 312.

**Prerequisites:** Minimum grade of C (2.0) in CRS 211.

**Corequisites:** CRS 312.

**Notes:** No grade is awarded with this course number. Grades are awarded with the lecture course.

**CRS 321 Fashion and Identity: The Social Psychology of Dress 3**

Investigation and analysis of meanings and symbols of the dressed body. Focus on the influence of personal choices and social norms for the development and expression of identity.

**CRS 331 Professional Development: Consumer, Apparel, and Retail Industries 3**

Guidance and preparation for relevant and successful internship experiences in the major. Emphasis on professional norms and behavior. Examination of processes, content, requirements, and options for self-directed learning opportunities.

**Prerequisites:** Overall minimum GPA of 2.20 required for all concentrations. Minimum grade of C (2.0) in APD 252 for Apparel Design concentration; Minimum grade of C (2.0) in RCS 361 for GARI and RCS concentrations.

**CRS 332 Internship: Consumer, Apparel, and Retail Industries 6**

Campus-monitored, structured internship experiences in off-campus businesses, minimum 300 supervised clock hours. Application and development of professional skills directly related to the student's concentration in the major.

**Prerequisites:** Minimum grade of C (2.0) in CRS 331. overall GPA of 2.20; 18 s.h. in major; restricted to CARS majors;

**Notes:** May not be taken concurrently with CRS 331.

**CRS 363 Global Sourcing of Apparel and Related Consumer Products 3**

Sourcing strategies for apparel and related consumer products, global platforms, business and cultural environments, and financial transactions used in conducting business in the international marketplace.

**Prerequisites:** Minimum grade of C (2.0) in CRS 231.

**CRS 372 The History of Fashion 3**

Fashion from prehistory to present, with emphasis on social, economic, and political events as well as various cultures that have influenced modern style.

**CRS 400 Special Problems in Consumer Apparel and Retail Studies 1-4**

Individual study. Conference hours to be arranged.

**Prerequisites:** Permission of instructor .

**CRS 405 Retail Data Analytics 3**

Beginning course in research methodology within the domains of consumer, apparel, and retailing. Concepts, frameworks, and relationships of theory and research. Epistemological issues, types of analysis, methods.

**Prerequisites:** Minimum grade of C (2.0) in RCS 355.

**CRS 450 Economics of the Textile and Apparel Complex 3**

Economics and social aspects of production, distribution, and utilization of apparel and textiles.

**Prerequisites:** Grade of C or better in ECO 201 or its equivalent as determined by the instructor. or graduate standing.

**CRS 470 Fashion Brand Management 3**

All aspects of managing a brand portfolio, including creating, positioning, and differentiating a brand. Includes focus on self-branding.

**CRS 481 Contemporary Professional Issues in Consumer, Apparel, and Retail Studies 3**

Study of contemporary issues related to consumer, apparel, and retail studies. Application of knowledge and skills to solve real world industry problems.

**Prerequisites:** For Apparel Design concentration: minimum grade of C (2.0) in APD 341. For RCS concentration: pr. or co-req. RCS 484.

**CRS 482 Special Problems in Consumer, Apparel, and Retail Studies 1-4**

Study tours. Conference hours to be arranged.

**Notes:** May be repeated once for a total of four (4) semester hours.

**CRS 483 Problems in Consumer, Apparel, and Retail Studies 2-6**

Individual study.

**CRS 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major.

**CRS 570 Apparel Brand Management 3**

All aspects of managing an apparel brand portfolio, including creating and positioning the brand, establishing brand equity and differentiation, and providing a brand experience for global apparel consumers.

**CRS 582 Problems in Consumer, Apparel, and Retail Studies 2-6**

Individual study.

**CRS 605 Retail Data Analytics 3**

Beginning graduate course in research methodology within the domains of consumer, apparel, and retailing. Concepts, frameworks, and relationships of theory and research. Epistemological issues, types of analysis, methods.

**CRS 620 Analysis of Apparel and Related Industries 3**

Analysis of apparel and related industries from raw materials through consumption. Examination of production and marketing of products, technological developments, and domestic and global market strategies.

**CRS 630 Economic Dynamics of the Retail Complex 3**

Application of economic concepts to consumption behaviors in the retail industry with special emphasis on apparel and related products. Impact of history, trends, brands, and demographics explored.

**Prerequisites:** CRS 530 and MBA 603 or permission of instructor.

**CRS 632 Supervised Industry Practicum in Consumer, Apparel, and Retail Studies 3-6**

Supervised industry practicum combining practical and academic elements. Course supervised by the Director of Graduate Study or designated faculty member.

**Prerequisites:** Permission of Director of Graduate Study.

**Notes:** Six hours of this course may be taken in one semester or three hours may be taken in two consecutive semesters.

**CRS 651 Advanced Retail Data Analytics 3**

Designed to further introduce students to predictive and prescriptive analytics tools for business decisions. Students will also be introduced to the R language and R Studio for statistical analysis and graphics, in addition to Analytic Solver Basic, JMP, and SAS.

**Prerequisites:** CRS 605.

**CRS 682 Graduate Seminar in Consumer, Apparel, and Retail Studies 3**

Fundamentals of graduate studies in Consumer, Apparel, and Retail Studies, including guidelines for development and evaluation of research.

**CRS 685 Problems in Retail and Consumer Studies 1-3**

Individual study. Investigation of problems in retail and consumer studies.

**CRS 690 Minor Research 2-6****CRS 699 Thesis 1-6****CRS 701 Literature and Thought in Consumer, Apparel, and Retail Studies 3**

Overview of concepts, frameworks, theory, thought, and empirical research within the domains of consumer, apparel, and retailing. Emphasis on contemporary thinking and identifying opportunities and directions for future research streams.

**CRS 712 Theory Development in Consumer, Apparel, and Retail Studies 3**

Examination of business related marketing theories to consumer, apparel, and retail studies. Analysis of marketing theories, models, and conceptual frameworks. Includes business-to-business, consumer, customer relationship, and economic theories.

**CRS 713 Qualitative Methodology in Consumer, Apparel, and Retail Studies 3**

Exploration of development and use of qualitative research methodology in consumer, apparel, and retail studies. Focus on application of qualitative methodology to diverse research problems, data collection procedures, and analysis approaches.

**CRS 714 Advanced Quantitative Methods in Consumer, Apparel, and Retail Studies 3**

Concepts, frameworks, theory, and empirical research methods and models within the consumer, apparel, and retailing domains. Emphasis on application of research methods and multivariate statistical models of consumer and retail research issues.

**CRS 721 Consumer Behavior in Apparel and Retailing 3**

Current theories and research in consumer behavior. Application of consumer behavior models to apparel, apparel-related products, and retailing through individualized research products.

**CRS 765 College Teaching Practicum in Consumer, Apparel, and Retail Studies 3**

Supervised, structured experiences in planning, teaching, and evaluating a college level course. Professors provide guidance and mentoring of graduate students during the experience.

**Prerequisites:** Permission of instructor.

**CRS 781 Directed Independent Study in Consumer, Apparel, and Retail Studies 1-6**

Directed independent study in Consumer, Apparel, and Retail Studies.

**Prerequisites:** Permission of instructor.

**CRS 783 Problems in Apparel 1-3**

Problems in Apparel.

**CRS 784 Problems in Retail Marketing 1-3****CRS 786 Readings in Apparel 1-3**

Readings in Apparel.

**CRS 787 Readings in Retail Marketing 1-3**

Readings in Retail Marketing.

**CRS 790 Independent Doctoral Research 1-6**

Individual work on research problem(s) related to student's primary area(s) of specialization. Research conducted with faculty guidance and direction. Objective: develop one or more publishable manuscript(s).

**CRS 799 Dissertation 1-12**

Notes: Required of all candidates for the Doctor of Philosophy degree. May be divided over two or more semesters.

**CRS 801 Thesis Extension 1-3**

Thesis Extension.

**CRS 802 Dissertation Extension 1-3**

Dissertation Extension.

**CRS 803 Research Extension 1-3**

Research Extension.

# Counseling and Educational Development (CED)

**CED 210 Career and/or Life Planning 3**

Introduction to career/life planning; knowledge of career development theories and decision-making theories; emphasis on collecting information related to the world of work and relating this information to the individual.

**CED 274 Stress Management 3**

This course addresses stress and related concepts, including how stress impacts human functioning and relevant coping skills to respond to stress and meet one's goals. Conceptualizations of the stress response, from biopsychosocial and cultural models, are explored.

**MAC:** MAC Health and Wellness

**CED 310 Helping Skills 3**

Skills useful for facilitating helping relationships. Practical model for counseling and learning about helping by practicing the helping skills.

**Prerequisites:** Advanced undergraduates in appropriate major.

**CED 392 Love, Sex, and Relationships: Skills for Building Satisfying, Healthy Relationships 3**

This course promotes students' knowledge and skills that foster satisfying and healthy personal relationships. Students will learn strategies to strengthen all relationships, with a primary focus upon intimate partnerships.

**CED 474 Contemporary Topics in Counseling 3**

Designed to study issues, problems, and new approaches in helping relationships. Emphasis placed on current topic(s) of interest.

**Notes:** May be repeated for credit when topics vary.

**CED 474C Contemporary Topics in Counseling: Stress Management 3**

Contemporary Topics in Counseling.

**CED 516 Entrepreneurship in Clinical Settings 3**

Designed to teach students how to effectively build and implement a successful business model for the design and delivery of clinical practices, or related services.

**Notes:** Same as ENT 516.

**CED 521 Legal, Ethical, and Professional Considerations in Addiction Treatment 3**

Covers the legal, ethical, and professional standards that addiction professionals must adhere to from client screening through recovery. Ethical decision-making models and professional licensing and credentialing will be discussed. Also covers provider wellness and self-care.

**CED 522 Addiction Treatment 3**

Covers the different models of addiction and drug classifications. Teaches the neurobiology of addiction and the importance of the helping relationship when working with members of the addiction population. Covers screening and assessment of people thought to have addiction or being considered for treatment.

**CED 523 Treatment Planning and Evidence-Based Practice in Addiction Treatment 3**

Provides an in-depth overview of treatment planning and systems collaboration when working with members of the addiction population. Also covers evidence-based practices, such as: motivational interviewing and cognitive-behavioral therapy. Covers group interventions and provides an overview of mutual support groups.

**Prerequisites:** Must be enrolled in the P.B.C. in Addiction Treatment and have completed CED 521 and CED 522 or must have a mental health related bachelor's degree.

**CED 524 Multicultural Foundations of Addiction Treatment 3**

Introduces students to multicultural aspects of addiction.

Multiculturalism is an important concept to examine in relation to addiction treatment as our clients' social and cultural identities can impact the course of addiction or treatment. Students will examine sociocultural influences as they converge with addiction concerns.

**CED 525 Special Issues in Addiction Treatment 3**

Covers special topics related to addiction such as, nicotine use, the relationship between addiction and the criminal justice system, the impact of intimate partner violence, and trauma related to the addiction population. Also covers how addiction impacts family relationships and the role of family in recovery.

**CED 574 Contemporary Topics in Counseling 3**

Designed to study issues, problems, and new approaches in helping relationships. Emphasis placed on current topic(s) of interest.

**Notes:** May be repeated for credit when topics vary.

**CED 574C Contemporary Topics in Counseling: Stress Management 3**

Topics in Counseling.

**CED 602 Student Development in Higher Education 3**

Study of development services. Areas such as admissions, orientation, career counseling, academic advising, student activities, housing, and financial aid are reviewed.

**Prerequisites:** CED 610 or permission of instructor.

**Corequisites:** CED 675.

**Notes:** Students who took this course as CED 579 are not eligible to take CED 602 and receive credit.

**CED 603 Contemporary College Students 3**

Developmental tasks and processes, including cognitive, moral, emotional, career, and identity, as applied to traditional and nontraditional students and diverse populations.

**Prerequisites:** CED 602 or permission of instructor.

**CED 605 Counseling Diverse Populations 3**

Examination of substantive and theoretical issues concerning counseling diverse populations. Includes study of counseling issues relevant to race/ethnicity, gender, sexual orientation, and other diversity topics.

**Prerequisites:** CED 610 and counseling major.

**Corequisites:** CED 653.

**Notes:** Students who took this course as CED 505 are not eligible to take CED 605 and receive credit.

**CED 610 Helping Relationships 3**

Fundamental principles of providing a helping relationship through counseling and interviewing are integrated in a conceptual framework for subsequent professional studies in counseling. Personal and professional development through skills training in techniques.

**Corequisites:** CED 653.

**CED 611 The Counselor as Scientist-Practitioner 3**

Ways in which counselors can demonstrate accountability in a broad range of settings and from a variety of theoretical perspectives.

**Prerequisites:** Counseling major.

**CED 612 Developmental Counseling 3**

Developmental theories and processes of diverse individuals, families, and groups form the basis for understanding and applying techniques of developmental assessment and intervention. Cognitive-developmental approaches are emphasized.

**Prerequisites:** CED 610 and CED 620, counseling major, human development/developmental psychology or equivalent or permission of instructor.

**Corequisites:** CED 653.

**CED 613 Helping Relationships for Non-Majors 3**

Fundamental principles of creating a helping relationship are integrated in a conceptual framework for application in a range of applied fields (e.g., nutrition, applied sport psychology). Personal and professional development through skills training in techniques.

**CED 616 Entrepreneurship in Clinical Settings 2**

Designed to teach students how to effectively build and implement a successful business model (e.g. private practice) for the design and delivery of clinical practices, or related services.

**CED 620 Counseling Theories and Practice 3**

Examine various counseling theories, their philosophical underpinnings, techniques, cultural implications, and the relationship between theory and practice. Apply theories through case conceptualization, observations, and supervised practice.

**Prerequisites:** CED 610 and counseling major.

**Corequisites:** CED 653.

**CED 642 Substance Abuse Counseling 3**

Counseling intervention strategies related to prevention, substance use, abuse and dependency will be emphasized. Etiology, assessment, and professional counseling concerns discussed.

**Prerequisites:** CED 610 or permission of instructor.

**Corequisites:** CED 653.

**CED 644 Foundations of Mental Health Counseling 3**

Theoretical and applied information for counselors working in clinical mental health counseling settings. Explores delivery systems, procedures, and techniques related to counseling individuals, groups, couples, and families in these settings.

**Prerequisites:** CED 610, counseling major.

**Corequisites:** CED 675.

**CED 645 Mental Health Issues for Genetic Counselors 3**

Overview of mental health-related theories and constructs relevant to genetic counseling. Development of interviewing skills and strategies. Focus on professional self-awareness, with emphasis on demands of professional practice.

**Prerequisites:** Matriculation to fourth semester of the MS in genetic counseling.

**CED 648 Foundations of School Counseling 3**

The role and functions of school counselors, including their work with students, teachers, administrators, and parents, as well as their complimentary relationships with other student services personnel.

**Prerequisites:** CED 610 and counseling major.

**Corequisites:** CED 653.

**Notes:** Must be completed successfully before post-master's certificate student can enroll in internship.

**CED 650 Group Counseling Theory and Practice 3**

Develop understanding and skills in the theory and practice of group work, the relationship of group activities to counseling, and fundamental group counseling techniques.

**Prerequisites:** CED 610, CED 620, and counseling major.

**Corequisites:** CED 653.

**CED 651 Master's Research Experience 1-3**

Hands-on experience working with CED faculty member(s) and/or research team (e.g. data collection, data coding, critiquing relevant literature, writing for publication).

**Prerequisites:** Admission to the M.S. in Counseling in any concentration.

**CED 653 Practicum in Counseling 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance. Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653A Practicum in Counseling: Theories 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653B Practicum in Counseling: Assessment 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653D Practicum in Counseling: Group 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653F Practicum in Counseling: Lifespan 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653G Practicum in Counseling: Couples 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653M Practicum in Counseling: Group Applications 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance. Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653P Practicum in Counseling: Family Counseling 1**

Skill development and application of theory to practice in counseling, assessment and consultation through supervised work with clients in a laboratory setting.

**Prerequisites:** Counseling major.

**Corequisites:** Liability insurance. Grade: Satisfactory/Unsatisfactory (S/U).

**CED 653Q Practicum in Counseling: Mid And Later Life 1**

Skill development and application of theory to practice in counseling.

**CED 664 Advanced Contemporary Topics in School Counseling 3**

Current topics affecting school counselors: the impact of leadership and advocacy, the ASCA National Model, and ethics and legal issues.

**Prerequisites:** Admission to the Post-Master's Certificate Program in Advanced School Counseling.

**CED 668 Counseling Children and Adolescents 3**

Aims to increase student knowledge and practical skill when providing counseling to children and adolescents in a variety of settings. Primary points of emphasis are on influencing emotional and behavioral change through developmentally appropriate interventions (e.g., play therapy, family therapy, behavioral interventions).

**Prerequisites:** CED 610, 620, and permission of instructor.

**Corequisites:** CED 653.

**CED 669 Career Development and Career Counseling 3**

Traditional and contemporary career development theories. Career counseling processes, techniques, and information resources. Career development influences and needs of diverse populations.

**Prerequisites:** CED 610, CED 620, and counseling major.

**Corequisites:** CED 653.

**CED 675 Counseling Field Practicum 3**

Introduction to staff, structures, functions, programs, and policies of a counseling site through a minimum of 45 hours of field-based experiences and weekly supervision session on campus.

**Corequisites:** CED 605, CED 610, CED 620 and CED 678, CED 602 or CED 644, any CED 653 corequisite experiences for these courses. Must have liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 677 School Certification 3**

Introduction to staff, structures, functions, programs and policies of a school counseling program through a minimum of 45 hours of field-based experiences and weekly supervision sessions on campus.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 678 Professional Orientation 3**

Goals and objectives of professional organizations, codes of ethics, legal considerations, standards of preparation, certification, licensing, and role identity of counselor and other personnel services specialists.

**CED 679 Advanced Counseling Practicum 3**

Application of counseling skills, theories and multicultural competencies through a minimum of 40 direct service hours with clients in Departmental Clinic, under intense/close supervision.

**Prerequisites:** Counseling major, CED 605, CED 610, CED 620, CED 678, and CED 602/CED 644/CED 648 and related CED 653 corequisites. Must have liability insurance.

**CED 680A Counseling Internship 6**

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

**Prerequisites:** Advanced standing and recommendation by the major professor.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 680B Counseling Internship 6**

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

**Prerequisites:** Advanced standing and recommendation by the major professor.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 680C Counseling Internship 6**

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

**Prerequisites:** Advanced standing and recommendation by the major professor.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 680D Counseling Internship 6**

On-the-job experience for counselors totaling a minimum of 600 hours over a one-year period.

**Prerequisites:** Advanced standing and recommendation by the major professor.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 682 Application of Measurement and Clinical Appraisal Techniques 3**

Selecting, administering, and interpreting a variety of standardized and nonstandardized instruments, assessments, and appraisal techniques in various settings with diverse populations. Relevant psychometric principles and ethical/legal issues.

**Prerequisites:** Counseling major.

**Corequisites:** CED 653.

**CED 687 Diagnosis and Treatment Planning in Counseling 3**

Provides the skills needed to diagnose accurately and effectively and to develop a comprehensive treatment plan. Emphasis on understanding and evaluating diagnosis with a diverse clientele.

**Prerequisites:** CED 610, CED 644 and counseling major.

**Corequisites:** CED 653.

**CED 688 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar; Issues in Professional Counseling.

**Prerequisites:** Advanced master's or doctoral standing, or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**CED 688A Contemporary Problems Seminar: Pfr Sem Teaching 1-3**

Contemporary Problems Seminar.

**CED 690 Counselors Working with Families 3**

Counseling families from family systems and multicultural theoretical perspectives. Clinical skills including assessment, treatment planning, and techniques.

**Prerequisites:** CED 610, CED 620.

**Corequisites:** CED 653.

**Notes:** Must be completed successfully before post-master's certificate student can enroll in internship.

**CED 691 Advanced Clinical Topics in Couple and Family Counseling/Therapy 3**

Advanced seminar in the scientific and cultural foundations for practice of couple and family counseling/therapy.

**Prerequisites:** CED 690 or permission of instructor.

**Corequisites:** CED 653.

**Notes:** May be repeated for credit when topic varies. Must be completed successfully before post-master's certificate student can enroll in internship.

**CED 692 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

**Prerequisites:** Permission of instructor.

**CED 693 Evidence-Based Practice in Counseling 3**

Overview of specific evidence-based practice interventions, methods, and approaches in counseling. The focus will depend on the course topic, but will focus on topics such as trauma-informed counseling/TF-CBT, Motivational Interviewing, Dialectical Behavior Therapy, Emotion-focused Therapy, etc.

**Corequisites:** CED 653.

**CED 698 Implementing and Evaluating School Counseling Programs 3**

Methods for designing, implementing, and evaluating comprehensive school counseling programs, in relation to the academic, career, and personal-social development of children and adolescents.

**Prerequisites:** CED 648.

**Corequisites:** CED 641, CED 671, and CED 680.

**CED 720A Research Apprenticeship 3**

Hands-on research experience working with CED faculty member(s) and/or research team (e.g. data collection, data coding, critiquing relevant literature, writing for publication) and focused reflection on the research process.

**CED 720B Research Apprenticeship 3**

Hands-on research experience working with CED faculty member(s) and/or research team (e.g. data collection, data coding, critiquing relevant literature, writing for publication) and focused reflection on the research process.

**CED 740 Research Practicum in Counseling 3**

Individual data-based work on problems of special interest in counseling and development. Registration requires approval of dissertation committee chair.

**Prerequisites:** ERM 680, ERM 681 or equivalent courses.

**CED 756A Advanced Counseling Theory and Research 3**

Involves study of research about counseling theories, including discussion of common factor underlying counseling theories, strategies for evaluating theories, and critical analysis of research about theories.

**Prerequisites:** Admission to doctoral program or permission of instructor.

**CED 756B Advanced Counseling Theory and Research 3**

The second course of this two-course sequence focuses on exploring theories of change, particularly as they relate to research with contemporary career development, group counseling, and multicultural counseling theories.

**Prerequisites:** Admission to doctoral program or permission of instructor.

**CED 757 Internship in University Teaching in Counseling 3**

Supervised teaching in the area of counseling and development in a college or university setting.

**CED 760A Consultation in Counseling and Counselor Education 3**

Theory pertaining to the principles and practice of consultation in a variety of settings. Includes models, skills, issues, and ethical considerations in consultation.

**Prerequisites:** Doctoral standing or permission of instructor.

**CED 760B Leadership, Advocacy, and Innovation in Counseling and Counselor Education 3**

Theory pertaining to the principles and practice of leadership in a variety of settings. Includes models, skills, issues, and ethical considerations in leadership.

**Prerequisites:** Doctoral standing or permission of instructor.

**CED 775 Directed Doctoral Research 3**

Individual work on research problems consisting of collection, analysis, critical review, integration, and interpretation of research literature on a topic.

**Prerequisites:** Advanced doctoral standing or permission of instructor.

**Notes:** May be repeated for credit.

**CED 777A Seminar in Counseling 3**

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

**Prerequisites:** Advanced doctoral standing in counselor education and recommendation of doctoral adviser.

**CED 777B Seminar in Counseling 3**

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

**Prerequisites:** Advanced doctoral standing in counselor education and recommendation of doctoral adviser.

**CED 777C Seminar in Counseling 3**

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

**Prerequisites:** Admitted to the doctoral program in counselor education.

**CED 777D Seminar in Counseling 3**

Research methods in counseling; clinical assessment tools and issues; contemporary issues and trends in counselor education, including professional and ethical issues and global perspectives.

**Prerequisites:** Advanced doctoral standing in counselor education and recommendation of doctoral adviser.

**CED 779 Advanced Counseling Practicum 3**

Counseling skills, multicultural competencies and applied counseling theories for 40 direct hours with actual clients under faculty supervision.

**Prerequisites:** Full doctoral admission.

**CED 780A Advanced Counseling Internship 6**

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

**Prerequisites:** CED 756 or CED 774.

**Corequisites:** Liability insurance.

**CED 780B Advanced Counseling Internship 6**

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

**Prerequisites:** CED 756 or CED 774.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 780C Advanced Counseling Internship 6**

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

**Prerequisites:** CED 756 or CED 774.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 780D Advanced Counseling Internship 6**

In-depth supervised field experience for advanced doctoral students in counselor education. Concentrated practice in individual, group, family, and/or consultation modes of counseling with individual faculty supervision in selected clinical settings.

**Prerequisites:** CED 756 or CED 774.

**Corequisites:** Liability insurance.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**CED 781A Clinical Supervision 3**

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

**Prerequisites:** CED 780A, advanced doctoral standing.

**Corequisites:** Liability insurance, CED 653 for CED 781A.

**CED 781B Clinical Supervision Internship 3**

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

**Prerequisites:** CED 780A, advanced doctoral standing.

**Corequisites:** Liability insurance, CED 653 for CED 781A.

**CED 781C Clinical Supervision Internship 3**

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

**Prerequisites:** CED 780A, advanced doctoral standing.

**Corequisites:** Liability insurance, CED 653 for CED 781A.

**CED 781D Clinical Supervision Internship 3**

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

**Prerequisites:** CED 780A, advanced doctoral standing.

**Corequisites:** Liability insurance, CED 653 for CED 781A.

**CED 781E Clinical Supervision Internship 3**

Clinical supervision theories, models, research, interventions and skills, relationship and diversity issues; ethical and legal considerations. Didactic instruction followed by graduated supervised experiences.

**Prerequisites:** CED 780A, advanced doctoral standing.

**Corequisites:** Liability insurance, CED 653 for CED 781A.

**CED 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**CED 802 Dissertation Extension 1-3**

Dissertation Extension.

**CED 803 Research Extension 1-3**

Research Extension.

## Cultural Analytics (IAL)

**IAL 620 Text Mining and Natural Language Processing 3**

Students collect and analyze unstructured text data using web/API scraping methods, and then analyze their corpus using text mining and natural language processing. Additionally, students conduct a survey of relevant issues pertaining to privacy rights and intellectual property rights for web scraping and text mining methods.

**Prerequisites:** Admission to major or permission of instructor.

**IAL 621 Content Analysis for Social Network Data 3**

Students collect social network data to analyze trends (both hashtag trends and organic/non-tagged trends), focusing specifically on audience engagement and comments. Additionally, students conduct a survey of relevant issues pertaining to privacy rights and intellectual property rights for social network trends and audience analytics.

**Prerequisites:** Admission to major or permission of instructor.

**IAL 622 The Internet of Things and Wearable Analytics 3**

Students collect remote/mobile data using a microcomputer (Arduino, Raspberry Pi) or mobile phone, and then analyze that data by creating a dashboard visualization of their data. Additionally, students conduct a survey of relevant issues pertaining to surveillance and privacy rights for remote/mobile data collection projects.

**Prerequisites:** Admission to major or permission of instructor.

**Notes:** Same as ENG 613.

**IAL 632 Ethics and Intellectual Property for Informatics and Analytics 3**

Students engage relevant ethical and legal issues pertaining to datafication and intellectual property for informatics and analytics. Students conduct ethics and intellectual property research for a particular domain and then produce reports and presentations using reproducible methods.

**Notes:** Students cannot receive credit for both IAL 632 and CSC 632.

**IAL 689 Capstone Project in Cultural Analytics 3**

Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.

**Notes:** Same as ENG 624.

## Dance (DCE)

**DCE 101 Introduction to Dance 3**

Studies of different dance styles through readings, dance studio experiences, discussions, and concert attendance.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** For non-majors.

**DCE 102 Dance First-Year Foundations 3**

Dance First-Year Foundations will provide Dance Majors with the skills to help them transition to and navigate the university academic experience. With an emphasis on connecting to peers, faculty and curriculum in the School of Dance, students will also develop introductory dance composition, qualitative research writing and critical thinking skills.

**MAC:** MAC Foundations

**Prerequisites:** Dance Major or Minor or permission of instructor. Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**DCE 111 Introduction to Contemporary Dance 1**

Introduction to the movement techniques of contemporary dance, with emphasis on aesthetic and expressive qualities.

**Notes:** May be repeated for credit.

**DCE 112 Contemporary Dance I 1-2**

Development of technical skills in contemporary dance, including rhythmic perception and spatial awareness, with emphasis on aesthetic and expressive qualities that lead to performance.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 113 Introduction to Ballet 1**

Introduction to basic ballet techniques.

**Notes:** May be repeated for credit.

**DCE 114 Ballet I 1**

Development of technical skills in ballet, including directions of the body, alignment, function and access of turnout, and use of the French ballet lexicon, with emphasis on safe and efficient body use.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 116 Jazz Dance I 1**

Introduction to the style, technique, and rhythmic structures of jazz dance with emphasis on increasing movement capabilities and personal expression.

**Notes:** May be repeated for credit.

**DCE 123 Ballet for Musical Theatre 1**

Continued development of technical skills in ballet, including directions of the body, alignment, function and access of turnout, and use of the French ballet lexicon, with emphasis on safe and efficient body use. This course is designed specifically for musical theatre majors.

**Prerequisites:** Dance major or Drama Musical Theatre Concentration major or permission of instructor.

**DCE 126 Jazz Dance for Musical Theatre 1**

Introduction to the style and rhythmic structures of jazz dance with an emphasis on technique specific to musical theatre performance and expression.

**Prerequisites:** Dance major or Drama Musical Theatre Concentration major or permission of instructor.

**Notes:** May be repeated for credit.

**DCE 132 African Dance I 1**

Introduction to the history and vocabulary of West African dance, emphasizing the central role that dance plays in African cultures.

**Prerequisites:** Dance Major, or Drama Musical Theatre Concentration.

**Notes:** May be repeated for credit.

**DCE 133 Tap Dance I 1**

Introduction to theory, historical context, and technique of traditional and contemporary tap dance forms.

**Prerequisites:** Dance or Drama Musical Theatre Concentration major.

**Notes:** May be repeated for a maximum of two (2) credits.

**DCE 143 Dance Performance Workshop 1**

Workshop experiences in dance creation and performance practices. Informal or formal presentation of choreographic works created with faculty and/or graduate students in dance.

**Prerequisites:** Dance major.

**Notes:** May be repeated once for credit.

**DCE 200 Dance Studies: Dance as Social and Cultural Practice 3**

Introductory study of dance in historical and cultural contexts through a variety of critical lenses. Course includes lectures, discussions, analysis of dance on film, concert attendance, and practical dance experiences.

**MAC:** MAC CritThink Hum and Fine Art

**DCE 204 African Dance and Music: Sanfoka 3**

The Sanfoka is a Ghanaian symbol of a bird whose head turns back to honor the past while moving forward. DCE 204 examines the historical traditions and global transformations of African Dance and Music to explore the dynamic evolution of the two forms across the African Diaspora.

**MAC:** MAC Global and Intercultural

**DCE 207 Dance History: Modernism and Postmodernism 3**

Critical study of modernism and postmodernism in dance in the U.S. and Europe. Broadens the traditional dance history canon and focuses on sociocultural events that shaped innovation in dance.

**Prerequisites:** Dance majors or permission of instructor.

**Notes:** Students may not receive credit for both DCE 207 and DCE 305.

**DCE 212 Contemporary Dance II 1-3**

Further development of technical skills in contemporary dance, including increased movement capabilities, rhythmic accuracy, and spatial relationships, with emphasis on aesthetic and expressive qualities that lead to performance.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 214 Ballet II 1-2**

Development of technical skills in ballet, including safe and efficient alignment and clear articulation of movement vocabulary, with emphasis on increased vocabulary and musicality.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 216 Jazz Dance II 1**

Continuation of DCE 116.

**Prerequisites:** School of Dance technique placement at 200 level.

Ineligible students will be withdrawn. Enrollment priority given to dance majors;

**Notes:** May be repeated for unlimited credit.

**DCE 217 Exploration and Improvisation in Dance 1**

Guided exploration in the elements of dance for the creative development of personal movement repertoire, spontaneous group interaction, and choreographic and movement observation skills.

**Prerequisites:** Dance major or permission of instructor.

**DCE 218 Jazz Dance: from the Street to the Stage 3**

Jazz Dance: from the Street to the Stage explores the historical African Diasporic roots of Jazz Dance focusing on the political and social origins of Jazz Dance in Africanist and American Dance traditions through movement sessions, lectures, and class projects.

**MAC:** MAC Diversity and Equity

**DCE 230 Somatic Practices in Dance 1**

The study of somatic practices in dance. Students will explore and discuss issues related to one body practice. Topics include body awareness, alignment, injury prevention, and movement observation.

**Notes:** May be repeated for credit. Priority enrollment given to dance majors.

**DCE 231 Global Dance Forms 1**

Introduction to Global and Social Dance forms from Europe, Asia, Africa, and/or the Americas. Particular dance form varies by semester.

**Prerequisites:** Dance Major or Minor or instructor permission.

**Notes:** May be repeated for credit.

**DCE 232 African Dance II 1**

Intermediate-level African dance technique. Further exploration of the principles of West African movement and the historic and cultural contexts in which the dances are presented.

**Prerequisites:** School of Dance technique placement at 200 level.

Ineligible students will be withdrawn. Enrollment priority given to dance majors;

**Notes:** May be repeated for unlimited credit.

**DCE 233 Tap Dance II 1**

Continuation of tap dance technique through traditional movement vocabulary, contemporary forms and improvisation, and historical context of tap dance.

**Prerequisites:** DCE 133. Dance major or Drama Musical Theatre Concentration;

**Notes:** May be repeated for credit.

**DCE 235 Yoga for Everybody 3**

An introductory study of yoga as a mind and body practice that develops somatic (mind/body) wellness for everyone.

**MAC:** MAC Health and Wellness

**DCE 241 Music for Dance 2**

Study of the relationship of sound and movement, accompaniment and dance, accompaniment/composer and teacher/choreographer, and a practical application of these understandings.

**Prerequisites:** DANC major.

**DCE 243 Dance Repertory II 1**

Development of performance skills for dancers placed at the 200-technique level or higher through rehearsals and performances of a dance work choreographed by dance faculty or professional dance artists.

**Prerequisites:** Pr. or Coreq.: DCE 212 or DCE 214 or higher.

**Notes:** May be repeated for credit.

**DCE 244 Pilates for a Healthy Body 3**

An introductory study of Pilates as a body/mind practice that develops physical competency and enhances quality of life through exercise, breath awareness and healthy living practice.

**MAC:** MAC Health and Wellness

**DCE 250 Dance Performance Practicum 1**

Extensive rehearsal culminating in formal or informal presentation of choreography created by students.

**Prerequisites:** Open by audition or invitation.

**Notes:** May be repeated for a maximum of five credits. Grade: Pass/Not Pass (P/NP).

**DCE 253 Choreography I: Craft 3**

Study of the elements of time, space, and design as they are artistically significant in dance.

**Prerequisites:** DCE 217 and DCE 241. Dance Major; or permission of instructor.

**DCE 255 Dance Production Practicum I 1**

Supervised experience in introductory level technical production work supporting dance performances.

**Prerequisites:** DCE 360 and Dance Major or Minor. or permission of the instructor;

**Notes:** May be repeated twice for credit.

**DCE 259 Introduction to Laban Movement Analysis 1**

An exploratory introduction to LMA through movement integration.

**Prerequisites:** Dance Major or Minor or permission of the instructor.

**DCE 300 Faculty Creative Research Project 1-3**

Directed work with a dance faculty member on the exploration, development, and/or presentation of creative research methods, materials, and works.

**Prerequisites:** Dance Major or Minor and permission of instructor.

**Notes:** May be repeated for credit. Grade: Pass/Not Pass (P/NP).

**DCE 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**DCE 307 Dance History: Mapping Dance 3**

Study of the routes and roots of dance practices: the changes over time of dance cultures that adapt to new places and contexts through migration, colonization, and globalization.

**Prerequisites:** DCE 207. Dance majors; or permission of instructor;

**Notes:** Students may not receive credit for both DCE 307 and DCE 205.

**DCE 312 Contemporary Dance III 1-3**

Further development of technical skills in contemporary dance. Increased complexity of movement, rhythm, and spatial design, with emphasis on aesthetic and expressive qualities.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 314 Ballet III 1-2**

Further development of technical skills in ballet, including dynamic alignment, body/mind connection, and proprioception, with emphasis on self expression through the ballet aesthetic.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 316 Jazz Dance III 1**

Continuation of DCE 216 for further development of skill, style, and understanding of the jazz form of dance.

**Prerequisites:** School of Dance technique placement at 300 or 400 level. Ineligible students will be withdrawn. Enrollment priority given to dance majors;

**Notes:** May be repeated for unlimited credit.

**DCE 324 Contemporary Dance: Theory and High Intermediate-Level Technique 2**

Theory and practice of intermediate-level contemporary dance technique and its relationship to the artistic and professional field.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance major;

**Notes:** May be repeated for credit.

**DCE 330 Iyengar Yoga: Somatic Practice 1**

Study of a somatic artform as articulated in the Iyengar Yoga method. Iyengar Yoga focuses on alignment, sequencing of poses and yoga philosophy through the study of Patanjali's Yoga Sutras.

**Notes:** May be repeated twice for credit.

**DCE 331 Musical Theatre Dance Styles I 1**

Introduction to musical theatre dance styles and choreographers.

Students will study musical theatre movement vocabulary, repertory and performance skills.

**Prerequisites:** DCE 113 or DCE 114. Dance Major or Drama Musical Theatre Concentration Major or Drama Minor in Musical Theatre; or permission of instructor.

**DCE 332 African Dance III 1**

Advanced study of complex rhythms of African dance. The class will connect traditional songs, dances, and music with the culture and use those elements in choreography.

**Prerequisites:** School of Dance technique placement at 300 or 400 level. Ineligible students will be withdrawn. Enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 333 Musical Theatre Dance Styles II 1**

An advanced examination of musical theatre dance styles and contemporary choreographers. Students will study the movement vocabularies of a range of 21st Century choreographers, learn selections from their repertoire, marry acting techniques with dance performance, and become industry-ready by participating in mock audition experiences.

**Prerequisites:** DCE 331. Musical Theatre Majors or Dance Majors; or by permission of Instructor;

**Notes:** May be repeated for credit.

**DCE 334 Tap Dance III 1**

Continuation of tap dance technique through traditional movement vocabulary, advanced Broadway tap repertoire, contemporary rhythm tap and improvisation, and historical context of tap dance.

**Prerequisites:** DCE 233. Dance major or Drama Musical Theatre Concentration;

**Notes:** May be repeated for credit.

**DCE 340 The Body and Motion in Dance 3**

Study of the body and movement as relevant to dance. Emphasis on anatomical and kinesiological principles, alignment, body issues, prevention and care of injuries.

**Prerequisites:** Dance Major with junior or senior status.

**DCE 343 Repertory III 1**

Development of performance skills for dancers placed at the 300-level technique or higher through rehearsals and performances of a dance work choreographed by dance faculty or professional dance artists.

Prerequisite or

**Corequisites:** DCE 312 or higher.

**Notes:** May be repeated for unlimited credit.

**DCE 345 Dance in Preschool and Elementary Settings 3**

Observe, participate, learn, and develop as a dancer. Create appropriate lesson plans integrating dance movement as a learning tool with 3–5 year old preschool students and with elementary school students.

**DCE 355 Dance Production Practicum II 1-3**

Supervised experience in advanced level technical production work supporting dance performances.

**Prerequisites:** DCE 360 or permission of instructor.

**Notes:** May be repeated for credit.

**DCE 359 Foundations for Dance Education 2**

Introduction to major issues in the field as they affect decisions about teaching dance.

**Prerequisites:** Dance major.

**DCE 360 Dance Production 3**

Theory and practice in technical production areas of dance performance. Topics include lighting, sound, costumes, scenery, and video and production management. Laboratory work with department dance concerts and events.

**Prerequisites:** DANC major or minor.

**DCE 390 Community and Studio Dance: Methods and Experience 2**

Planning, teaching, and evaluating dance technique in studio and community settings for elementary, middle, and high school age students. Emphasis on fundamentals of developmentally appropriate practice in the teaching of dance.

**Prerequisites:** DANC major or minor. DCE 212 or DCE 214 or DCE 216 or DCE 232; or permission of instructor.

**DCE 405 Choreographies and Choreographers 3**

Exploration of concert dance over the twentieth and twenty-first centuries in a variety of geographic areas. Through various critical lenses, this course analyzes the choreographic production of influential dance makers.

**Prerequisites:** Completion of DCE 307 with a grade of C or higher. Dance Major; or permission of the instructor;

**Notes:** Students may not receive credit for both DCE 405 and DCE 505.

**DCE 412 Contemporary Dance IV 1-2**

Refinement of technical skills in contemporary dance. Complex movement, rhythm, and spatial design, with emphasis on aesthetic and expressive qualities that lead to performance.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 414 Ballet IV 1**

Mastery of kinesthetic, expressive, and aesthetic principles of contemporary ballet at an advanced/professional level.

**Prerequisites:** Department placement at this level. Ineligible students will be withdrawn; enrollment priority given to dance majors;

**Notes:** May be repeated for credit.

**DCE 416 Jazz Dance IV: Lineages and Legacies 2**

Jazz Dance IV studies the lineages and future directions of Jazz Dance through advanced training in Jazz Dance contemporary, commercial, lyrical, funk, and musical theatre dance techniques. Dance technical training is augmented by class projects and presentations that explore historical lineages and socio-cultural influences in Jazz Dance.

**Prerequisites:** Dance Major, Dance Minor, or Drama BFA Musical Theatre Concentration.

**Notes:** Department placement at the 300 level or permission of instructor. Ineligible students will be withdrawn. Enrollment priority given to BFA dance majors.

**DCE 417 Contact Improvisation 1**

Development of improvisational performance skills for advanced dancers through a thorough study of Contact Improvisation.

**Prerequisites:** DCE 217 or permission of instructor.

**Notes:** May be repeated for credit.

**DCE 424 Contemporary Dance: Theory and Advanced Level Technique 2**

Theory and practice of advanced-level contemporary dance technique and its relationship to the artistic and professional field.

**DCE 431 Capoeira History and Practice 3**

Introduction to the history and practice of Brazilian capoeira, with emphasis on the style known as capoeira angola. Includes readings, discussion, film viewing and studio practice.

**Prerequisites:** Junior standing or above. or permission of instructor;

**Notes:** May be repeated once for credit.

**DCE 432 Pilates: Movement Fundamentals for Dancers 1**

The course is designed to develop core strength, flexibility, posture, and range of motion and covers the fundamentals of Pilates with an emphasis on breathing, alignment, and core stability.

**Prerequisites:** Dance Major or Minor or permission of instructor.

**Notes:** May be repeated twice for credit.

**DCE 433 Pilates Theory 3**

A pilates theory course that develops knowledge and capacity to teach beginning and intermediate level pilates mat exercises. Course competencies also will focus on core strength, breath and spinal flexibility while challenging upper body strength, range of motion in the hips and spine, and spinal extension.

**Prerequisites:** DCE 432 or permission of instructor.

**DCE 434 African Dance IV: Dance of the African Diaspora Practice and Theory 2**

African Dance IV studies the complex movement and rhythms of African Dance from different ethnic cultures at an advanced level. Historical, social, cultural, and/or religious contents of the dances will be presented. Students will synthesize their understanding of these topics through class projects and presentations.

**Prerequisites:** Dance Major, Dance Minor.

**Notes:** Department placement at the 300 level or permission of instructor. Ineligible students will be withdrawn. Enrollment priority given to BFA dance majors.

**DCE 435 Pilates: Advanced Practice for Dancers 3**

Develops knowledge of advanced principles and exercises in Pilates, focusing on somatic principles, biomechanics of movement, and anatomy to perform complex pilates exercises.

**Prerequisites:** DCE 432.

**DCE 436 Pilates Practicum 2**

Develops the foundational pedagogy needed to teach pilates. Focuses on the application of the principles of Pilates in the teaching and demonstration of exercises. Students will build pedagogical skills, cueing techniques, and confidence through observation and practice teaching.

**Prerequisites:** DCE 432 and DCE 433.

**Notes:** Grade: Pass/Not Pass (P/NP). May be repeated once for credit.

**DCE 443 Advanced Dance Repertory 1-3**

Development of performance skills for advanced dancers through rehearsals and performances of a significant dance work choreographed by dance faculty or approved dance artists in the field.

**Prerequisites:** DCE 312, DCE 324, DCE 412, or DCE 424, and permission of instructor.

**Notes:** May be repeated for credit. Enrollment by audition or by invitation of the instructor.

**DCE 446 Choreographic Explorations Since 1953 3**

Study of choreographic works viewed through six thematic lenses: non-narrative dance, myth, gender and sexuality, culturally specific explorations, social and political commentary, and music and choreography.

**Prerequisites:** Dance major, minor or permission of instructor.

**Notes:** Students must be simultaneously enrolled in OPDI 105, offered through the Online Professional Development Institute of the National Dance Education Organization, to earn UNCG credit. Students not enrolled in OPDI 105 will be withdrawn from the UNCG course.

**DCE 453 Choreography III: Group Forms 3**

Study of and experience in developing choreographic materials for various sized groups. Special emphasis on techniques for the integration of formal values and artistic intention.

**Prerequisites:** DCE 217 and DCE 253.

**DCE 455 Arts and Entrepreneurship: Career Strategies for Artists 3**

Overview of professional performing arts career management tools. Students learn the basics of applying entrepreneurship skills and strategies to starting and sustaining an arts-related business.

**Prerequisites:** ARAD, DANC, DRAM, MEDU, MUSI, or PRFM major, or permission of instructor;

**Notes:** Same as ENT 455.

**DCE 456 Field Study: Dance in New York City 1**

A study trip to experience dance and performance in New York City; activities include attending dance concerts, classes, and meeting with dancers who live and work in NYC.

**Prerequisites:** Dance major or permission of instructor.

**DCE 459 Dance Education Methods and Field Experience 3**

Methods of teaching dance with observation, participation, and planning/teaching/evaluating at elementary, middle, or high school level.

**Prerequisites:** Permission of department. must have earned a grade of B (3.0) in DCE 212 before beginning high school placement; Pr. or Coreq.: DCE 359;

**Notes:** May be repeated twice for a total of 9 s.h. In order to repeat the course, one of ELC 401, ERM 401, SES 401, TED 401, TED 402, or TED 403 must be successfully completed and student must be admitted to the Teacher Education Program.

**DCE 460 Assessment and Instruction in the Dance Classroom 1**

An introduction to portfolio and performance assessment. Reliability, validity, and bias in the construction of classroom assignments and practice the cycle of planning, instructing, assessing for instruction in dance.

**Prerequisites:** DCE 459. Dance BFA and BA majors with K-12 Teaching Licensure.

**DCE 461 Student Teaching in Dance Education 11**

Supervised student teaching experience in dance education. Full-time teaching in a school setting.

**Prerequisites:** Admission to Student Teaching through application.

**Notes:** Grade: Pass/Not Pass (P/NP).

**DCE 463 Seminar in Dance Education 1**

Reflection on student teaching experiences and preparation for future career as a dance educator.

**Prerequisites:** All DANC licensure requirements except DCE 461.

**DCE 465 Screen Dance 3**

Exploration of how dance and dance film technologies work best together and why, including composing for the camera, recording dancers in action, and editing footage to create original work.

**Prerequisites:** DCE 253, DCE 453. or permission of instructor.

**DCE 467 The Dancer's Body 3**

An introduction to the study of body theories and practices in dance. Topics include somatic theory and practice, and body issues related to dance performance, choreography, and pedagogy.

**Prerequisites:** Two semesters of dance technique. DCE 340 or equivalent; or permission of instructor.

**DCE 468 Advanced Study in Somatic Practices 3**

Advanced work in a somatic practice. Areas of study include foundations, reading the body, student and teacher issues, resource lectures, and practice teaching.

**Prerequisites:** DCE 340 and DCE 630. or permission of instructor.

**DCE 470 Creative Synthesis in Dance 3**

Culminating choreographic experience for students completing choreography concentration in B.F.A.

**Prerequisites:** Grades of B or higher in DCE 453 and DCE 465. senior status in DANC B.F.A. major; or permission of instructor.

**DCE 475 Independent Study 1-3**

Intensive work in area of special interest in dance. Available to exceptionally qualified students on recommendation of academic advisor and instructor.

**Prerequisites:** Demonstrated competency for independent work and permission of academic advisor and instructor.

**Notes:** May be repeated for a maximum of 6 s.h.

**DCE 476 Selected Topics in Dance 1-3**

Current topics and issues in dance as art, education, or therapy for students with sufficient preparation for intensive study of identified area.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit if topic varies, up to a maximum of nine credits.

**DCE 487 Performance Theory and Practice 2**

Rehearsal and performance of choreography designed to challenge student dancers at their highest level of performance. Choreography by full time faculty. Selected readings and written assignments accompany practical work.

**Prerequisites:** Pr. or Coreq.: 3 s.h. of DCE 312, DCE 324, DCE 412, or DCE 424.

**DCE 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**DCE 605 Choreographies and Choreographers 3**

Exploration of concert dance over the twentieth and twenty-first centuries in a variety of geographic areas. Through various critical lenses, this course analyzes the choreographic production of influential dance makers.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 610 Dance Studies I: Theories and Methods 3**

Introduction to scholarship and research methodologies in dance studies. Students will be introduced to key theories and methodologies that have shaped the interdisciplinary field of dance research.

**Prerequisites:** DCE 605 and admission to graduate degree program in dance.

**DCE 611 Dance Studies II: Research Projects 3**

In-depth personal inquiry into the nature and making of meaning for a selected area of concern in dance. Includes significant individual project.

**Prerequisites:** DCE 610 or permission of instructor.

**DCE 614 New Media and Technology in Dance Education 3**

Theory and practice related to teaching dance technology, including new media and interdisciplinary relationships. Includes planning, teaching, and assessing student learning in one unit of study.

**Prerequisites:** Admission to M.A. in Dance Education or permission of instructor.

**DCE 620 Music for Dancers 3**

The relationship of sound and movement, accompaniment and dance, accompanist/composer and teacher/choreographer, and bringing these understandings to practical application.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 621 Administration of Dance 3**

Introduction to the business of dance including aspects of building a professional practice relevant to career goals including grant writing, project development and management, public relations, and concert production and presentation.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 624 Movement for Dance 1-2**

Opportunities for dancers to practice their craft, developing working knowledge of different styles of African Dance, Contemporary Dance, Ballet, Jazz Dance, and other movement practices. Style and emphasis may vary each semester.

**Prerequisites:** Graduate standing in Dance.

**Notes:** May be repeated for a maximum of ten credits. Grading method is Satisfactory/Unsatisfactory (S/U).

**DCE 630 Advanced Body Theories and Practices in Dance 4**

Advanced study of body theories and practices in dance. Topics include sociocultural constructions of dancers' bodies, somatic theory, body pedagogies, and somatic practices related to dance performance, choreography, and pedagogy.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 631 Capoeira History and Practice 3**

Introduction to the history and practice of Brazilian capoeira, with emphasis on the style known as capoeira angola. Includes readings, discussion, film viewing and studio practice.

**Notes:** May be repeated once for credit.

**DCE 632 Pilates: Movement Fundamentals for Dancers 1**

The course is designed to develop core strength, flexibility, posture, and range of motion and covers the fundamentals of Pilates with an emphasis on breathing, alignment, and core stability.

**Prerequisites:** DANC major or permission of instructor.

**Notes:** May be repeated twice for credit.

**DCE 635 Advanced Pilates for Dancers 3**

Develops knowledge of advanced principles and exercises in Pilates, focusing on somatic principles, biomechanics of movement, and anatomy to perform complex pilates exercises.

**Prerequisites:** DCE 632.

**DCE 636 Pilates Practicum 2**

Develop the pedagogy needed to teach Pilates. Focus on the application of the principles of Pilates in the teaching and demonstration of exercises. Students will build pedagogical skills, cueing techniques, and confidence through observation and practice teaching.

**Prerequisites:** DCE 632, DCE 635.

**DCE 646 Reflective Practice in P-12 Dance Education 3**

Planning and implementation of projects related to master's standards for dance licensure, with ongoing reflection and dialogue.

**Prerequisites:** Admission to MA in dance education.

**DCE 650 Dance Design Practicum 3**

Advanced practicum in the technical, aesthetic and theoretical aspects of dance design.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 651 Choreographic Practice 3**

Exploration of diverse perspectives on choreography: process, period, style, and genre. Individualized problems and projects developed with each student artist.

**Notes:** May be repeated for credit.

**DCE 653 Pilates Theory 3**

A pedagogy theory course in pilates that develops knowledge and capacity to teach beginning and intermediate level mat exercises. Pilates competencies focus on core strength, breath and spinal flexibility while challenging upper body strength, range of motion in the hips and spine, spinal extension and inverted balance.

**Prerequisites:** DCE 632.

**DCE 654 P-12 Dance Education: Technique and Performance 1**

Theory and practice related to teaching dance technique and performance to school-aged populations. Includes planning, teaching, and assessing student learning in one unit of study.

**Prerequisites:** Admission to M.A. in Dance Education or permission of instructor.

**DCE 655 P-12 Dance Education: Choreography 1-3**

Theory and practice related to teaching choreography to school-aged populations, with an emphasis on collaboration. Includes planning, teaching, and assessing student learning in one unit of study.

**Prerequisites:** Admission to the M.A. in Dance Education program or permission of instructor.

**DCE 656 P-12 Dance Education: Critical Thinking/Literacy 1-3**

Theory and practice related to teaching critical thinking and dance literacy with school-aged populations, including interdisciplinary relationships. Includes planning, teaching, and assessing student learning in one unit of study.

**Prerequisites:** Admission to M.A. in Dance Education.

**DCE 658 Performance Assessment in K-12 Dance Education 3**

A systematic analysis of assessment in K-12 dance pedagogy. Reliability, validity, and bias in the construction of classroom assignments and practice the cycle of planning, instructing, assessing for instruction in dance.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 659 Laban Movement Analysis 3**

An introduction to Laban Movement Analysis through movement integration, observation, critical research, notation, and analysis.

**Prerequisites:** Graduate Dance standing or permission of instructor.

**DCE 660 Issues in Planning the Dance Curriculum 3**

Curriculum planning for dance in educational settings. Involvement with issues in the field.

**Prerequisites:** Graduate standing in dance.

**Notes:** Online only.

**DCE 661 Dance Pedagogy in Higher Education 2**

Consideration of pedagogical issues and strategies in teaching dance studio and theory courses at the undergraduate college/university level.

**Prerequisites:** Graduate standing in dance or permission of instructor(s).

**DCE 662 Practicum in Teaching Dance 1-3**

Observation of dance teaching and supervised practice at the university or K-12 level; some sections may include a required seminar.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**Notes:** May be repeated for a maximum of 6 credits, grading method is Satisfactory/Unsatisfactory (S/U).

**DCE 663 PreK-12 Dance Education Practicum 1-6**

Supervised teaching culminating in the development of a portfolio demonstrating competencies required for Standard Professional I licensure.

**Prerequisites:** Admission to graduate program in Dance.

**Notes:** May be repeated for a maximum of up to 6 credits.

**DCE 665 Screen Dance 3**

Exploration of how dance and dance film technologies work best together and why, including composing for the camera, recording dancers in action, and editing footage to create original work.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 667 The Dancer's Body 3**

An introduction to the study of body theories and practices in dance. Topics include somatic theory and practice, and body issues related to dance performance, choreography, and pedagogy.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 668 Advanced Study in Somatic Practices 3**

Advanced work in a somatic practice. Areas of study include foundations, reading the body, student and teacher issues, resource lectures, and practice teaching.

**Prerequisites:** Graduate standing in Dance or permission of instructor.

**DCE 676 Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Problems Seminar: Dance as Therapy.

**Prerequisites:** Graduate standing in Dance or Dance Education or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**DCE 687 Performance Theory and Practice 2**

Rehearsal and performance of work designed to challenge graduate students at their level of performance. Choreography by graduate faculty.

**Prerequisites:** Graduate standing in dance or permission of instructor.

**Notes:** May be taken three times for credit.

**DCE 688 Practicum in Dance Performance 1-3**

Rehearsal and performance of choreography created or reconstructed by faculty or guest artist.

**Prerequisites:** Graduate standing in dance or permission of the instructor.

**Notes:** One credit per 60 rehearsal hours. Only one credit per choreographer; May be repeated for three credits; Grade: Satisfactory/Unsatisfactory (S/U).

**DCE 693 Portfolio in K-12 Dance Education 1-6**

Development of teaching portfolio to meet specific requirements for M licensure in dance. Students may substitute National Board Professional Teaching Standards portfolio with prior permission.

**Prerequisites:** Satisfactory completion of all required courses for the MA in dance with a dance education (M license) concentration, a Portfolio Review, and at least two years full-time or equivalent teaching K-12 dance.

**Notes:** May be repeated for a maximum of 6 semester hours. Grade: Satisfactory/Unsatisfactory (S/U).

**DCE 694 Comprehensive Exams/Portfolio Review Preparation 1**

Through individual instruction and mentorship, this course prepares students for both the oral presentation and the written portion of comprehensive exams/portfolio review.

**Prerequisites:** DCE 605, DCE 651.

**DCE 695 Independent Study 1-3**

Intensive study in an area of special interest in dance.

**Prerequisites:** Demonstrated competency for independent work and consent of academic advisor and the instructor.

**DCE 697 Masters Production Project 1-6**

Culminating choreography research with a performed or presented outcome. Possibilities include structured choreography, improvisation, lecture demonstration, master class, community based or historical research with performance, and digitally based projects.

**Prerequisites:** Admission to candidacy, successful completion of proposal.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**DCE 698 Field Project in Dance 1-6**

Research, development, and completion of approved project which substantially contributes to mastery in MFA or MA concentration and integrates knowledge gained through the degree program.

**Prerequisites:** MA students and MFA candidates with approved project proposals.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**DCE 699 Thesis 1-6**

**Prerequisite:** Satisfactory completion of portfolio review.

**DCE 801 Thesis Extension 1-3**

Thesis Extension.

**DCE 803 Research Extension 1-3**

Research Extension.

## Economics (ECO)

**ECO 100 Economics of a Global Sustainable Society 3**

Sustainable development, with a natural emphasis on non-Western nations; will consider issues around such topics as demographics, development theories, the environment, health and education, the role of institutions, etc.

**MAC:** MAC Global and Intercultural

**ECO 160 Exploring Economics through Popular Culture and Public Policy 3**

Exploration of topics in popular culture and public policy using the lens of economics. Topics may include entertainment, sports, technology, and policy issues in fields such as health, education, and the environment. Economic concepts include supply and demand, opportunity cost, scarcity, and incentives.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Freshman standing.

**ECO 201 Principles of Microeconomics 3**

Introduction to microeconomic principles and analysis. Topics include: the market economy, supply and demand, shortages and surpluses, competition and monopoly, international trade, and public policy issues.

**MAC:** MAC CritThink Soc and BehavSci

**ECO 202 Principles of Macroeconomics 3**

Introduction to macroeconomic principles and analysis. Topics include the national income, the monetary system, inflation, business cycles, fiscal policy, the national debt, exchange rates, balance of payments, and economic growth.

**MAC:** MAC CritThink Soc and BehavSci

**ECO 250 Economic and Business Statistics I 3**

Introduction to statistical methods with applications in economics and business. Topics include descriptive statistics, probability, statistical inference, correlation, and regression. Emphasis on problem solving with microcomputer applications.

**Prerequisites:** An acceptable score on the mathematics placement test or any one of the following: MAT 115, MAT 118, MAT 120, MAT 150, MAT 151, MAT 190, MAT 191, MAT 196, MAT 292, MAT 296.

**ECO 300 The International Economy 3**

Examines the history, structure, and institutional foundations of the international trading system. Analyzes the impact of trade on economic growth, employment and living standards with a focus on contemporary issues.

**Prerequisites:** ECO 201 and ECO 202. or permission of instructor.

**ECO 301 Intermediate Microeconomic Theory 3**

Intermediate level analysis of consumer theory and theory of the firm. Other topics include market failure, savings and investment, risk and uncertainty, wage determination, and income distribution.

**Prerequisites:** ECO 201. Completion of one of the following: MAT 115, MAT 118, MAT 120, MAT 150, MAT 151, MAT 183, MAT 184, MAT 190, MAT 191, MAT 196, MAT 292, MAT 293, or MAT 296.

**ECO 302 Intermediate Macroeconomic Theory 3**

Intermediate level analysis of national income and employment with attention to fiscal and monetary policy, theories of business fluctuations, and economic growth.

**Prerequisites:** ECO 202.

**ECO 312 Economics of Technology 3**

Economic analysis of technological change. Topics include sources of productivity, inventive activity, entrepreneurship, innovation strategy, RD management, patenting, and technology assessment.

**Prerequisites:** ECO 201.

**Notes:** Same as ENT 312.

**ECO 315 The Economics of Entrepreneurship 3**

Study of entrepreneurship from history of economic thought perspective and application of such concepts to economic agents. Emphasis on economic thought, market activity, and economic growth.

**Prerequisites:** ECO 201.

**Notes:** Same as ENT 315.

**ECO 319 Quantitative Analysis 3**

Introduction to mathematical methods in economics. Includes applications of mathematics to consumer and production theory, equilibrium analysis, input-output models, and optimization.

**Prerequisites:** Minimum grade of B (3.0) in MAT 120 or minimum grade of C (2.0) in MAT 191 or MAT 196. ECO 201.

**ECO 323 Public Economics 3**

The analysis of taxes and expenditures. Topics include: rationale for government (public goods, externalities), expenditure analysis (including income redistribution), tax analysis (including income, sales, and property taxes).

**Prerequisites:** ECO 301.

**ECO 327 Money and Economic Activity 3**

Emphasis on legal, institutional, and economic forces which mutually interact to determine supply of money. Elementary monetary theory and monetary flows, institutions, policies, and problems analyzed.

International as well as domestic monetary analysis.

**Prerequisites:** ECO 202 .

**ECO 350 Economic and Business Statistics II 3**

Continuation of ECO 250. Inference about population variance, inference about two populations, analysis of variance, bivariate regression, and multiple regression with empirical applications to business and economics using statistical software.

**Prerequisites:** Any one of the following: ECO 250, PSC 301, PSY 211, SOC 302, STA 271, STA 290, or STA 352.

**ECO 355 Econometrics 3**

The application of statistical models and methods to economic data and models. Topics include linear regression, interpretation of results, hypothesis testing, and specification testing.

**Prerequisites:** ECO 350.

**ECO 360 International Monetary Economics 3**

Analysis of balance of payments and international monetary systems. Monetary and fiscal policies under the gold standard, fixed exchange, and flexible exchange systems. Breakdown of the Bretton Woods system and the current exchange rate policies of central banks.

**Prerequisites:** ECO 302.

**ECO 362 History of Economic Thought 3**

The history of economic thought and criticism since the eighteenth century. Major topics include classical economics, socialism, communism, marginalism, Keynesianism, corporatism, Austrian economics, monetarism, developmentalism, neoliberalism, and modern anti-market revolutions.

**Notes:** Same as HIS 362.

**ECO 364 Introduction to Data Methods 3**

Explore how to prepare data for analysis and learn practical skills (including inputting data, variable construction, and sample selection), how to find problems with data (such as missing data or outliers), how to describe data using figures and tables, and how to perform basic data analysis. Introduces Stata, analysis software.

**Prerequisites:** Any ONE of the following: ECO 250, ECO 350, PSC 301, PSY 211, SOC 302, STA 271, STA 290, STA 301, STA 352, or permission of instructor.

**ECO 367 Economic Growth and Development 3**

Investigation of the determinants of the long-run economic growth of nations. Application of economic concepts to problems of developing and lesser developed countries.

**Prerequisites:** ECO 302.

**ECO 370 Labor Economics 3**

Examination of wage and employment determination in U.S. labor markets. Topics include labor supply and labor demand theory, investments in education and training, job search and migration, unemployment, unions, racial and sex discrimination, income inequality, and public policy.

**Prerequisites:** ECO 301.

**ECO 380 Environmental and Natural Resource Economics 3**

Examination of environmental problems in market economies. Topics include the economic theory of pollution and its control, common-property resources, renewable and other resources, endangered species, population growth, and international problems.

**Prerequisites:** ECO 201.

**ECO 387 Entrepreneurship in American History 3**

This course will examine entrepreneurs who shaped the contours of the American economy from the first transatlantic trade routes to the World Wide Web. We utilize entrepreneurship to analyze the development of American capitalism from a string of coastal colonies to an economic world power.

**Prerequisites:** None.

**Notes:** Same as BLS 387, ENT 387.

**ECO 390 Health Economics 3**

Examination of supply and demand for health care, medical malpractice, health insurance, government provision of health care, international comparisons, and health care reform.

**Prerequisites:** ECO 301.

**ECO 413 Directed Studies in Economics I 1-3**

Individual study of economic problems of special interest to the student. Regular conferences with instructor required.

**Prerequisites:** 21 s.h. of economics and permission of instructor.

**ECO 426 Internship: Experiential Learning in Economics 1-3**

Campus-monitored, supervised off-campus internships that involve the application of economic analysis and methods and develop professional skills. Minimum of fifty supervised internship hours per one credit hour earned.

**Prerequisites:** Minimum overall GPA of 2.50 and permission of instructor. ECON/ECOS major;

**Notes:** Grade: Pass/Not Pass (P/NP).

**ECO 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**ECO 498 Seminar in Economics 3**

Examination of market failure, public goods, economic efficiency, and income incidence, allocative effects, and public policy.

**Prerequisites:** ECO 301, ECO 302, and ECO 350 or STA 301.

**ECO 499 Problems in Economics 3**

Independent study, research, and discussion covering a topic or group of related topics of current interest in economic policy or economic theory. Topics covered vary from semester to semester.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit with approval of department head.

**ECO 613 Directed Studies in Economics II 1-3**

Individual study of an advanced topic in economics. Regular conferences with the instructor are required.

**Prerequisites:** Permission of the Director of Graduate Study in Economics and the professor who will supervise the study.

**ECO 625 Data Methods in Economics 3**

Advanced techniques in data preparation. Topics include data formats, error checking, merging data, large data sets, and missing observations. Students work extensively with SAS.

**ECO 630 Introduction to Cost Effectiveness 3**

Methods used by health economists to evaluate health care technologies and programs. Learn how to critique and use health economic evaluations, common health economic evaluation tools and methods.

**ECO 631 Applied Policy Methods 3**

Provides applied foundation for policy study with emphasis on an economic efficiency perspective including history of policy analysis, market and government failure, and alternative methods for policy analysis.

**ECO 637 Empirical Health Economics 3**

Examines the market for health services and the production of health. Topics include the demand and supply for health care professionals, health insurance and financing, and regulation of medical markets.

**ECO 641 Microeconomics I 4**

Theory of consumer and firm behavior under certainty and uncertainty including exchange, production, income distribution, market structure and welfare economics.

**Prerequisites:** ECO 625 and ECO 631 or permission of the Director of Graduate Studies.

**ECO 642 Microeconomics II 3**

Examination of market failures that can occur within competitive, decentralized market systems. Topics include market power, uncertainty, asymmetric information, externalities, and public goods.

**Prerequisites:** ECO 641 or ECO 701.

**ECO 643 Econometric Methods 4**

Introduction to advanced econometric applications. Topics may include seemingly unrelated regressions, simultaneous equations, identification, two-stage least squares, and sample selection models. Application to economic data using statistical software emphasized.

**Prerequisites:** ECO 625 and ECO 631 or permission of the Director of Graduate Studies.

**ECO 644 Econometric Theory 3**

Foundations of mathematical statistics and linear econometric models. Topics include discrete and continuous probability distributions, random sampling and asymptotic analysis, the linear regression model, hypothesis testing, and statistical programming and simulation using SAS or other statistical software.

**Prerequisites:** ECO 643 or ECO 705.

**ECO 646 Macroeconomics 4**

Advanced theory of aggregate economic activity. Economic models developed to explain economic growth, activity, and fluctuations based on classical, Keynesian, monetarist, and new classical schools of thought.

**Prerequisites:** ECO 625 and ECO 631 or permission of the Director of Graduate Studies.

**ECO 657 Managerial Economics 3**

Economic analysis of markets, and government intervention that addresses the sustainability of fiscal, monetary and exchange rate policy and their short-run and long-run impact on the global environment.

**ECO 663 Predictive Data Mining 3**

Provides a working knowledge of statistical tools important to the emerging and practically relevant field of predictive data mining and the discovery of patterns in big data sets.

**ECO 664 Time Series and Forecasting 3**

Students learn to analyze and forecast time series data. Topics include stochastic linear difference equations, tests for trends and stationarity, and ARIMA modeling. Application to economic data emphasized.

**ECO 691 Economics Internship 1-3**

Individual course of study consisting of an applied economics and/or data analysis component and written work that complements the program's academic work. Supervised by faculty and an appropriate manager.

**Prerequisites:** Permission of the Director of Graduate Study.

**Notes:** May be repeated, maximum of 3 credit hours may apply toward to the M.A. degree, course cannot be applied toward the Ph.D. degree.

**ECO 701 Microeconomics I 4**

Focuses on mathematical modeling using the tools of mathematical optimization theory. Topics cover the theory of consumer and firm behavior under certainty and uncertainty including utility maximization, consumer demand, game theory, production, and profit maximization.

**Prerequisites:** Admission to the Ph.D. in Economics program or permission of the Director of Graduate Studies.

**ECO 702 Macroeconomics 4**

Provides an overview of the tools of modern macroeconomic theory. Students will gain an understanding of these tools, their limits, and their application to policy issues.

**Prerequisites:** Admission to the Ph.D. in Economics program or permission of the Director of Graduate Studies.

**ECO 705 Econometric Methods 4**

Focuses on the statistical concepts and methods necessary to analyze and apply linear econometric models. Topics cover the foundations of mathematical statistics and linear regression modeling.

**Prerequisites:** Admission to the Ph.D. in Economics program or permission of the Director of Graduate Studies.

**ECO 712 Directed Studies in Economics III 1-3**

Individual study of an advanced topic in economics. Regular conferences with the instructor are required.

**Prerequisites:** Permission of Director of Graduate Study.

**Notes:** May be repeated for credit.

**ECO 728 Research Methods in Applied Economics I 3**

Advanced techniques in data preparation. Topics include data formats, error checking, merging data, large data sets, and missing observations.

**ECO 730 Introduction to Cost Effectiveness 3**

Methods used by health economists to evaluate health care technologies and programs. Learn how to critique and use health economic evaluations, common health economic evaluation tools and methods.

**ECO 731 Applied Policy Methods 3**

Provides applied foundation for policy study with emphasis on an economic efficiency perspective including history of policy analysis, market and government failure, and alternative methods for policy analysis.

**ECO 734 Public Policies Toward Innovation 3**

Examines public-sector innovation policies from a domestic and global perspective.

**ECO 735 Labor Economics 3**

Examines the operation of the labor market, its institutions, and labor market policies. Topics include labor supply and demand, returns to education, family and household economics, wage inequality, and unions.

**Prerequisites:** ECO 643 or ECO 705.

**Notes:** May be repeated for credit.

**ECO 736 Public Economics 3**

Examines governmental expenditures and taxes and the constraints imposed on them within a federal, multi-tiered governmental structure. Topics include education, public health, housing and community development, infrastructure, and environmental regulation.

**Prerequisites:** ECO 641 or ECO 701.

**ECO 737 Empirical Health Economics 3**

Examines the market for health services and the production of health. Topics include the demand and supply for health care professionals, health insurance and financing, and regulation of medical markets.

**Notes:** May be repeated for credit.

**ECO 738 Topics in Economics 3**

Application of economic theory and econometrics to a specific topic in public, labor, or health.

**Prerequisites:** ECO 641 or ECO 701, ECO 643 or ECO 705.

**Notes:** May be repeated for credit.

**ECO 739 Independent Field Course 1-4**

A faculty-directed, independent study of a research area that is particularly related to a student's primary field of interest.

**Prerequisites:** Permission of the Graduate Program Director.

**Notes:** May be repeated for credit, may serve as one required major field course.

**ECO 741 Advanced Mathematical Economics 3**

Mathematical concepts and techniques that are used in advanced economic theory. Material includes sets and functions, constrained and unconstrained programming, and difference and differential equations.

**Prerequisites:** ECO 642.

**ECO 742 Advanced Microeconomic Theory 3**

Examines decision making by households and firms with an emphasis on the meaning and empirical interpretation of theoretical models. Topics include duality theory, general equilibrium, and welfare economics.

**Prerequisites:** ECO 701 or permission of the Director of Graduate Studies.

**ECO 745 Advanced Econometric Theory 3**

Focuses on estimation and inference in linear and non-linear econometric models. Topics include endogeneity, causal inference, panel data, and limited and qualitative dependent variable models.

**Prerequisites:** ECO 705 or permission of the Director of Graduate Studies.

**ECO 746 Advanced Econometric Theory II 3**

Advanced methods in microeconomic analysis, covers linear models for panel data with unobserved heterogeneity, M-estimators, maximum likelihood, generalized methods of moments, and discrete response models. Includes lab.

**Prerequisites:** ECO 745 or permission of instructor.

**ECO 747 Time Series 3**

Introduction to graduate-level time series econometrics. Provides a foundation in time series methods that can be applied in high level empirical research. Focuses on theoretical topics and applications. Topics include time series regressions, univariate stationary time series models, univariate and non-stationary time series models, and multivariate models.

**ECO 748 Research Methods in Applied Economics II 3**

Examines research methods used in advanced applied economics. Applications vary by semester but are typically drawn from labor, health, public, or financial economics.

**Prerequisites:** ECO 705, ECO 728, ECO 745.

**ECO 749 Economics Internship 1-3**

Individual course of study consisting of an applied economics and/or data analysis component and written work that complements the program's academic work. Supervised by faculty and an appropriate manager.

**Prerequisites:** Permission of the Director of Graduate Study or Department Head.

**ECO 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ECO 797 Seminar in Empirical Economics 3-6**

A supervised seminar in which students formulate a major empirical research project and identify, collect, and assemble the data required to pursue that research.

**Prerequisites:** Permission of Graduate Program Director.

**Notes:** May be repeated for credit.

**ECO 798 Seminar in Economic Research 3-6**

A supervised research seminar in which students complete an extensive review of the literature in their chosen area of research specialization.

**Prerequisites:** Permission of Graduate Program Director.

**Notes:** May be repeated for credit.

**ECO 799 Dissertation 1-12****ECO 802 Dissertation Extension 1-3**

Dissertation Extension.

**ECO 803 Research Extension 1-3**

Research Extension.

# Educational Leadership and Cultural Foundations (ELC)

**ELC 201 Introduction to Community Leadership 3**

An introduction to leadership studies through a multidisciplinary framework, this course provides an overview of leadership and personal development skills necessary to practice leadership in service to society. **Prerequisites:** First Year, Impact Living Learning Community Participants or Permission of Instructor.

**ELC 281 Cultural Foundations of Education 3**

Introduction to a range of sociological, historical, ideological, and philosophical dimensions shaping education and schooling in the U.S. and how these inform contemporary educational practices grounded in concerns for social justice, equity, diversity, and inclusion.

**MAC:** MAC Diversity and Equity

**ELC 375 Philosophy of Education 3**

Philosophical questions related to education, such as what is education, how are the aims of education to be decided, and what is knowledge, pursued in conjunction with classic historic readings in the philosophies of education and knowledge as well as selected contemporary reading.

**ELC 401 Schooling in a Democratic Society 1**

The historical and social purposes of schooling in a democratic society. Enrollment limited to students who are pursuing initial teaching licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**Notes:** May be repeated for unlimited credit.

**ELC 406 Institutes in Education 1-3**

Practicum or workshop experiences to focus on issues, problems, or approaches in the profession.

**Notes:** Students may apply no more than three (3) s.h. of this course to any degree program. Grade: Satisfactory/Unsatisfactory (S/U).

**ELC 481 Teaching in the Urban School 3**

This course is designed to provide an opportunity for educators to examine research and literature related to the problems of teaching in the urban school.

**ELC 609 Epistemology and Education 3**

An overview of several systems of knowledge and the problems of knowing, knowing how, and belief. Deals with intellect, rationality, and positional knowledge.

**Prerequisites:** ELC 696 or ELC 697 or their equivalents.

**ELC 615 Foundations of Curriculum 3**

Historical, cultural, and sociopolitical foundations of curriculum theory and practice. Emphasis on ideological shifts in transformative practice, curriculum development/analysis, and relations between curriculum, individual, and society.

**ELC 616 Culturally Responsive Leadership 3**

Theories of and strategies related to culturally responsive leadership that will prepare K-12 school leaders to develop effective and equitable, multicultural school communities.

**ELC 625 Seminar in Teaching and Social Foundations of Education 3**

Critical consideration of the purpose and philosophy of undergraduate social foundations courses, perspectives and approaches to teaching, and reflection on issues and problematics of critical pedagogy.

**Notes:** This course can be taken up to 2 times for credit.

**ELC 660 The School Principalship 3**

For prospective principals. Functions in organizing people to meet educational goals, leadership in instruction, supervision, curriculum design and development, personnel administration, and ethical and legal responsibilities.

**ELC 661 Ethics and Education 3**

Appraisal of human aims and practices, attitudes towards character, and conceptions of desirable human life, as these are related to educational theory and practice.

**Prerequisites:** ELC 697 or ELC 707 or their equivalents.

**ELC 662 Power, Politics, and Schools 3**

The politics of education as the set of interactions that influence and shape the authoritative allocation of values in this society and its educational organizations.

**ELC 664 Introduction to Qualitative Inquiry: A Social Justice Approach 3**

Theoretical and philosophical dimensions of interpretive inquiry in education; concepts that are the foundation for qualitative methodologies in educational research.

**ELC 665 Approaches to Qualitative Inquiry 3**

Introduction to empirical qualitative research: philosophical foundations, research design strategies, method for data collection and analysis (especially interviewing and field observation), options for reporting research. Emphasis on skill development.

**Prerequisites:** ELC 609, ELC 664 recommended.

**ELC 666 Writing Preparation and Proposal Development 3**

Workshop addresses dissertation process and academic professional development in ways that build on the theory and practice of scholarly writing.

**ELC 670 Leadership for Teaching and Learning 3**

Examines conceptions of "good" schools and the nature of instruction, curriculum, assessment, and professional development. Explores leadership, change, and school renewal that works toward good schooling and pedagogy.

**Prerequisites:** Admission to MSA, PMC, EdS, or EdD program in educational leadership or permission of instructor.

**ELC 671 Principal Fellows Seminar 3**

Provides enrichment activities for Principals Fellows as required by the Principal Fellows Program.

**Prerequisites:** Enrollment as a Principal Fellow.

**Notes:** Required for Principal Fellows each semester during their enrollment in the MSA program.

**ELC 672 Technology and Administrative Leadership 3**

How school leaders can use technology to meet their management, instructional, inquiry, and problem solving responsibilities.

**ELC 673 Principal Leadership for Special Education 3**

Strategies school principals can use to advocate and implement programs for exceptional children that are effective for students and compliant with legal requirements.

**ELC 675 Schools as Centers of Inquiry 3**

Effective schools function as professional learning communities characterized by a culture of inquiry and collaboration. Builds the skills of students in facilitating individual and whole school inquiry.

**Prerequisites:** Admission to MSA, PMC, EdS, or EdD program in educational leadership or permission of instructor.

**ELC 680 Transnational and Postcolonial Feminist Perspectives 3**

Study of transnational and postcolonial feminist perspectives in multiple world regions. Emphasis on global political developments, grassroots efforts to use education as social change, and developing critical power literacies.

**ELC 682 Teaching Social Justice 3**

Examines various ways people might teach to promote social justice. Explores conceptual frameworks for understanding issues of oppression and privilege. Opportunity to apply diverse pedagogical strategies.

**ELC 683 Engaging the Public in Education 3**

Examination of parent involvement in schooling, school/family/community partnerships, civic deliberation about education, school's role in community transformation. Emphasis on equity/justice, school's accountability to the public, research evidence, effective practice.

**ELC 684 Teacher Rights, Recruitment, Retention, and Evaluation 3**

Processes and systems to recruit, induct, support, evaluate, develop, and retain a high quality staff. Legal and ethical reasoning systems influencing school administrators with regard to teachers' legal rights.

**ELC 685 Passionate Pedagogies 3**

Examination of how passion, on the part of both teachers and learners, can become a motivating force for deeper understandings of ourselves and critical social issues.

**ELC 686 Curriculum Theory 3**

The nature of theory and of theory building; application of theoretical criteria to the field of curriculum.

**ELC 687 Legal and Ethical Dimensions of Leadership 3**

The constitutional and statutory precedents and principles underlying the roles of federal, state, and local governments in public education. Recent court decisions relating to public education; development of awareness of freedoms and constraints of law and ability to implement and apply the intention of law and court decisions to practical problems of school administration.

**Prerequisites:** Basic knowledge of history of American education, governance and organization of education and basic U.S. history and/or constitutional law.

**ELC 688 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

**Notes:** May be repeated for credit when topic varies.

**ELC 688H Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

**Notes:** May be repeated for credit when topic varies.

**ELC 690 Practicum in Educational Administration 3-6**

Planned administrative functions in appropriate school setting with objective of providing direct experience with processes and functions of educational administration. Supervision is shared responsibility of university and public school faculties.

**Prerequisites:** For educational administration majors at either master's or sixth-year level. Completion of 12 hours in MSA program and permission of instructor.

**Notes:** May be repeated for a maximum of 12 hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

**ELC 691 Urban School Organizational Leadership: Best Practices 3**

Examines organizational dimensions of urban schooling including structure, culture, politics, bureaucracy, community. Explores practical organizational leadership reform initiatives that aim to promote educational excellence and encourage social justice.

**ELC 692 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

**Prerequisites:** Permission of instructor.

**ELC 694 Cultural and Political Dimensions of Schooling 3**

Structures and processes of school governance, including the impacts of district, state and Federal policies, and influence of special interest groups. Attention to policy development, advocacy, implementation, analysis, and critique.

**ELC 700 Critical Perspectives in Education, Leadership, and Culture 3**

Explores the challenges of educational transformation, including improved teaching and learning, equity/social justice, and democracy in institutions with complex cultural contexts. Introduction to habits of mind for advanced graduate study.

**ELC 701 The School Superintendency 3**

Designed for both aspiring superintendents and central office administrators. Focuses on basic knowledge and skill development around a broad range of issues critical to superintendent success.

**Prerequisites:** Admission to EdS or EdD program in educational leadership or permission of instructor.

**ELC 702 School District Leadership 3**

This course prepares school administrators to lead school districts. District leadership requires enacting a vision, organizing personnel, and managing operations to address human and community needs.

**ELC 704 Moral Dimensions of Education 3**

Values involved in educational decision making; application of various moral discourses to educational practices.

**Prerequisites:** ELC 696 or ELC 697 or their equivalents.

**ELC 705 Foundations of Critical Theory 3**

Provides a survey of foundational critical theorists, the Frankfurt School, and contemporary fields of study on power, social, cultural, and economic life through historical and sociopolitical analysis.

**ELC 706 History of Education in the United States 3**

Historical foundations of the educational system in the U.S.

Contributions of selected educational leaders and the responses of the educational system to the dilemmas posed by major events and movements in the history of the country.

**ELC 707 Philosophies in Education 3**

Major philosophic viewpoints (traditional and contemporary) as they apply to education; analysis of past and present changes in educational outlook and practices.

**ELC 708 Educational Sociology: Race, Class, and Gender Power Dynamics 3**

Key sociological concepts and theories are utilized to analyze, critique, and understand how power operates on both micro and macro levels within United States educational systems.

**ELC 709 Introduction to Critical Pedagogy 3**

Introduction to the theory and practice of critical pedagogy including its relationship to critical social theory. Emphasis on education as vehicle for social change, moral critique, and personal transformation.

**ELC 710 Data Literacy and Structured Inquiry 3**

This course focuses on data literacy and structured inquiry for educational leaders. Throughout the course, there will be an emphasis on ethical and equity issues regarding data and inquiry.

**ELC 711 Ethics and Education 3**

Appraisal of human aims and practices, attitudes towards character, and conceptions of desirable human life, as these are related to educational theory and practice.

**Prerequisites:** ELC 697 or ELC 707 or their equivalents.

**ELC 712 Teaching Social Justice 3**

Examines various ways people might teach to promote social justice. Explores conceptual frameworks for understanding issues of oppression and privilege. Opportunity to apply diverse pedagogical strategies.

**ELC 713 Passionate Pedagogies 3**

Examination of how passion, on the part of both teachers and learners, can become a motivating force for deeper understandings of ourselves and critical social issues.

**ELC 714 Curriculum Theory 3**

The nature of theory and of theory building. The application of theoretical criteria to the field of curriculum.

**ELC 715 Foundations of Curriculum 3**

Historical, cultural, and sociopolitical foundations of curriculum theory and practice. Emphasis on ideological shifts in transformative practice, curriculum development/analysis, and relations between curriculum, individual, and society.

**ELC 716 Culturally Responsive Leadership 3**

Theories of and strategies related to culturally responsive leadership that will prepare K-12 school leaders to develop effective and equitable, multicultural school communities.

**ELC 717 Technology and Administrative Leadership 3**

How school leaders can use technology to meet their management, instructional, inquiry, and problem solving responsibilities.

**ELC 718 Principal Leadership for Special Education 3**

Strategies school principals can use to advocate and implement programs for exceptional children that are effective for students and compliant with legal requirements.

**ELC 719 Schools as Centers of Inquiry 3**

Effective schools function as professional learning communities characterized by a culture of inquiry and collaboration. Builds the skills of students in facilitating individual and whole school inquiry.

**Prerequisites:** Admission to M.S.A., P.M.C., or Ed.D. program in Educational Leadership or permission of instructor.

**ELC 720 Introduction to Doctoral Studies 3**

Orients new students to the cultural foundations program. Students will learn about various interdisciplinary approaches to the cultural foundations field and how to conduct a knowledge/literature review.

**ELC 722 Aesthetics, Visual Studies, and Critical Pedagogy 3**

Aesthetics, visual literacy, visual culture, semiotics, and their influences in contemporary education. Development of critical visual literacy for the understanding and integration of the arts in pedagogy.

**ELC 723 Urban School Organizational Leadership: Best Practices 3**

Examines organizational dimensions of urban schooling including structure, culture, politics, bureaucracy, community. Explores practical organizational leadership reform initiatives that aim to promote educational excellence and encourage social justice.

**ELC 724 Seminar in Teaching and Social Foundations of Education 3**

Critical consideration of the purpose and philosophy of undergraduate social foundations courses, perspectives and approaches to teaching, and reflection on issues and problematics of critical pedagogy.

**Notes:** Can be taken up to 2 times for credit.

**ELC 730 Democracy and Education 3**

Study of the meaning of democracy, the relationship between democracy and education, and the role of schooling in preparing citizens.

**ELC 731 Power, Politics, and Schools 3**

The politics of education as the set of interactions that influence and shape the authoritative allocation of values in this society and its educational organizations.

**ELC 732 Advanced Seminar in School Law Research 3**

Case studies in school law.

**Notes:** For doctoral students writing a legal dissertation.

**ELC 733 Cases and Concepts in Educational Leadership 3**

Uses cases and problem-based learning as opportunities to explore key analytic/theoretical perspectives and research evidence relevant to leadership for meaningful and equitable educational reform.

**ELC 734 Theories in Educational Administration 3**

The nature of theory, definition, utilization; contemporary theories applied to educational administration; and system theory and its application possibilities to educational administration.

**ELC 735 The School Principalship 3**

For prospective principals. Functions in organizing people to meet educational goals, leadership in instruction, supervision, curriculum design and development, personnel administration, and ethical and legal responsibilities.

**ELC 736 Leadership for Teaching and Learning 3**

Examines conceptions of "good" schools and the nature of instruction, curriculum, assessment, and professional development. Explores leadership, change, and school renewal that works toward good schooling and pedagogy.

**Prerequisites:** Admission to M.S.A., P.M.C., or Ed.D. program in Educational Leadership or permission of instructor.

**ELC 737 Teacher Rights, Recruitment, Retention, and Evaluation 3**

Processes and systems to recruit, induct, support, evaluate, develop, and retain a high quality staff. Legal and ethical reasoning systems influencing school administrators with regard to teachers' legal rights.

**ELC 738 Cultural and Political Dimensions of Schooling 3**

Structures and processes of school governance, including the impacts of district, state and Federal policies, and influence of special interest groups. Attention to policy development, advocacy, implementation, analysis, and critique.

**ELC 740 Practicum in Educational Administration 3-6**

Planned administrative functions in appropriate school setting with objective of providing direct experience with processes and functions of educational administration. Supervision is shared responsibility of university and public school faculties.

**Prerequisites:** For educational administration majors at either master's or sixth-year level. Completion of 12 credit hours in the M.S.A. program and permission of instructor.

**Notes:** May be repeated for a maximum of 12 credits, grading method is Satisfactory/Unsatisfactory (S/U).

**ELC 742 Engaging the Public in Education 3**

Examination of parent involvement in schooling, school/family/community partnerships, civic deliberation about education, school's role in community transformation. Emphasis on equity/justice, school's accountability to the public, research evidence, effective practice.

**ELC 744 Epistemology and Education 3**

An overview of several systems of knowledge and the problems of knowing, knowing how, and belief. Deals with intellect, rationality, and positional knowledge.

**Prerequisites:** ELC 696 or ELC 697 or their equivalents.

**ELC 745 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

**Notes:** May be repeated for credit when topic varies.

**ELC 749 Doctoral Dissertation Seminar 1-3**

Develop, discuss, and defend a dissertation prospectus.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**ELC 750 Advanced Seminar in School Law Research 3**

Case studies in school law.

**Notes:** For EdS students or the doctoral student writing a legal dissertation.

**ELC 751 Cases and Concepts in Educational Leadership 3**

Uses cases and problem-based learning as opportunities to explore key analytic/theoretical perspectives and research evidence relevant to leadership for meaningful and equitable educational reform.

**ELC 752 Theories in Educational Administration 3**

The nature of theory, definition, utilization; contemporary theories applied to educational administration; system theory and its application possibilities to educational administration.

**ELC 754 Personal Leadership Assessment and Enhancement 3**

For students who intend to pursue educational leadership roles and careers in administration. Emphasizes development of creative leadership potential and maximization of personal growth.

**Prerequisites:** Admission to EdS or EdD program in educational leadership or permission of instructor.

**ELC 764 Introduction to Qualitative Inquiry: A Social Justice Approach 3**

Theoretical and philosophical dimensions of interpretive inquiry in education; concepts that are the foundation for qualitative methodologies in educational research.

**ELC 765 Approaches to Qualitative Inquiry 3**

Introduction to empirical qualitative research: philosophical foundations, research design strategies, method for data collection and analysis (especially interviewing and field observation), options for reporting research. Emphasis on skill development.

**Prerequisites:** ELC 744 or ELC 764 recommended.

**ELC 766 Writing Preparation and Proposal Development 3**

Workshop addresses dissertation process and academic professional development in ways that build on the theory and practice of scholarly writing.

**ELC 767 Qualitative Data Collection and Analysis 3**

In-depth experience in qualitative data collection and analysis beyond the introductory level. Completion of a qualitative research project in collaboration with other students in the class.

**Prerequisites:** ELC 664, ELC 665 or other course in qualitative research.

**ELC 775 Directed Doctoral Research 3**

Individual work on dissertation research problems: collection analysis, critical review, integration, and interpretation of research literature on a topic pertinent to the student's dissertation.

**Prerequisites:** Doctoral students in ELC or TED/HED and permission of instructor.

**Notes:** May be repeated once for credit.

**ELC 790 Internship in Educational Leadership 3-18**

Directed year-long internship in an appropriate educational administration field-based setting. Supervision shared by department faculty and field-based mentors.

**Prerequisites:** Minimum of 24 semester hours beyond the master's or a minimum of all prerequisite courses and 24 additional semester hours for those admitted to the program without a master's degree. All such work to be approved in writing by the student's Advisory/Dissertation Committee.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**ELC 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**ELC 802 Dissertation Extension 1-3**

Dissertation Extension.

**ELC 803 Research Extension 1-3**

Research Extension.

## **Educational Research Methodology (ERM)**

**ERM 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ERM 401 Assessment I: Accountability in Our Nation's Schools 1**

Students will examine Federal, State, and classroom accountability systems. Enrollment is limited to students who are pursuing initial teaching licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**ERM 402 Assessment II: Standardized Tests 1**

Students will examine standardized testing, key statistical terms, and the application of testing data to instructional planning. Enrollment is limited to students who are pursuing initial teaching licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**ERM 403 Assessment III: Classroom Assessment 1**

Development, monitoring, and evaluation of student progress through classroom assessments. Enrollment is limited to students who are pursuing initial teaching licensure in B-K, K-12, and secondary programs.

**Prerequisites:** Admission to the Teacher Education Program.

**ERM 405 Measurement and Assessment in Teaching 3**

The fundamentals of measurement and assessment used in teaching middle and secondary grades, including the concepts of assessment types, assessment development, reliability, validity, interpreting test results.

**ERM 410 Data Literacy 3**

This course provides students with an introductory set of tools for data literacy. The course introduces concepts related to the management, analysis, and presentation (figures and graphs) of data. While not a formal statistics class, fundamental concepts in statistics will be introduced as well relevant data management and statistical software.

**Prerequisites:** Completion of a quot.GMT" general education course or equivalent.

**ERM 411 Information Analytics 3**

As stewards of data and information you are responsible for the origination, storage, description, classification, and retrieval of data. Because of this, there may be times when you must work with programmers and analysts. This course provides the background to do this.

**Prerequisites:** ERM 410.

**ERM 412 Data Visualization 3**

Students in this class will become familiar with the storage and retrieval of data (e.g., different formats and data types in addition to security, assessing public repositories, etc...). In addition, students will become familiar with the various techniques of presenting and summarizing basic and complex data sets.

**Prerequisites:** ERM 410.

**ERM 413 Advanced Information Analytics 3**

This course is the second of a two-course series (the first course is ERM 411) that will develop the basic tools that are necessary to understand and communicate with individuals relevant to the data that is managed.

**Prerequisites:** ERM 411.

**ERM 414 Program Evaluation 3**

This course provides an overview of the basic concepts in program evaluation. Students will also be introduced to the practice of program evaluation.

**ERM 417 Statistical Methods in Education 3**

Introductory course in applied descriptive statistics, correlational methods, and linear regression that provides a conceptual and theoretical foundation for more advanced work and a thorough grounding in the use of computers for descriptive statistical analysis, and interpretation of results.

**Prerequisites:** Elementary Algebra.

**ERM 488 Special Topics in Information Analytics 3**

Covers emerging technologies, new trends and issues, and other current developments in the field of data analytics.

**Prerequisites:** LIS 199, LIS 200; Information Science Majors Only;

**Notes:** May be repeated once for credit when topic varies.

**ERM 490 Independent Study 1-4**

Guided readings, research, and individual project work under direction of faculty.

**Prerequisites:** Information Science majors and permission of the instructor.

**ERM 491 Practicum in Data Analytics 3**

Provides a supervised work experience for students in data analytics.

**Prerequisites:** CSC 120, ERM 410, IST 300, IST 301, IST 304, IST 423, IST 466, LIS 199, LIS 300. Information Science majors;

**Notes:** Graded on S/U basis only.

**ERM 600 Validity and Validation 3**

Validity is fundamental to all testing operations. The course covers seminal theories, critical perspectives, as well as prominent validation research of critical importance to professionals working in diverse industry settings.

**ERM 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ERM 604 Methods of Educational Research 3**

Techniques and uses of research in education. Designed to provide the student with the ability to read, understand, and critically evaluate published empirical research.

**Notes:** Students who took this course as EAR 593 are not eligible to take ERM 604 and receive credit.

**ERM 605 Educational Measurement and Evaluation 3**

For teachers, counselors, and administrators. Principles of measurement and evaluation, methods of scoring and interpreting tests. Construction and use of teacher-made tests. Statistical concepts basic to understanding and interpreting test data.

**Prerequisites:** None.

**Notes:** Students who took this course as EAR or ERM 670 are not eligible to take ERM 605 and receive credit.

**ERM 633 Second Language Assessment and Testing 3**

Theoretical and practical issues related to second language testing with special attention paid to the assessment of English as a second language, world Englishes, and foreign languages.

**ERM 636 Advanced Studies in Second Language Testing 3**

Language testing for English and foreign language learners, as well as the World Englishes domain. It investigates policies, theories, research, and tools employed to measure different language modalities.

**ERM 642 Evaluation of Educational Programs 3**

Existing and emerging formulations of educational evaluation. Developing operational guidelines for conducting evaluations in educational settings.

**ERM 643 Applied Educational Evaluation 3**

An application course that uses modern evaluation models, data collection, statistical analyses, and interpretation of findings to establish the effectiveness and utility of an educational program.

**Prerequisites:** ERM 642.

**ERM 644 Approaches to Collaborative Research and Evaluation in Education 3**

This course provides a comprehensive overview of collaborative and participatory approaches to evaluation and research in educational settings and how these approaches are differentiated from other methodological approaches.

**Prerequisites:** ERM 604.

**ERM 645 Culturally Responsive Approaches to Research and Evaluation 3**

This course provides a comprehensive overview of culturally responsive approaches to evaluation and research in educational settings and includes both theoretical and practical applications.

**Prerequisites:** ERM 604.

**ERM 650 Foundations of Qualitative Research Methods 3**

This course will provide graduate students with a theoretical understanding of qualitative research and practical, hands-on experience conducting a small-scale study.

**ERM 667 Foundations of Educational Measurement Theory 3**

Statistical foundations, classical test theory, reliability, validity, item analysis, and norms; selected topics in modern test theory. Designed for those who will develop, evaluate, and select measurement instruments in their professional roles.

**Prerequisites:** ERM 680 or equivalent course.

**Notes:** Credit may not be obtained for PSY 437.

**ERM 668 Survey Research Methods in Education 3**

Theory, methods, and procedures of survey research as this methodology is applied to problems in education. Sampling from finite populations.

**Prerequisites:** ERM 680 or equivalent.

**ERM 669 Item Response Theory 3**

Conceptual and mathematical foundations, parameter estimation, tests of model assumptions and goodness of fit, and practical applications of IRT.

**Prerequisites:** ERM 667 and either ERM 681 or STA 662 or equivalent courses.

**ERM 675 Data Visualization and Presentation 3**

Modern techniques for summarizing and visualizing univariate and multivariate data using various statistical and graphical software packages. Covers theories and research on graphics and the perception of visual data.

**Prerequisites:** ERM 680.

**ERM 680 Intermediate Statistical Methods in Education 3**

Applied descriptive and inferential statistics. Topics include applied probability, power analysis, chi-square distributions, hypothesis testing for a variety of applications, and correlation and regression. Concept learning, applications, and computer analyses are stressed.

**Prerequisites:** Elementary algebra.

**Notes:** Students who took this course as ERM 618 are not eligible to take ERM 680 and receive credit.

**ERM 681 Design and Analysis of Educational Experiments 3**

Advanced inferential statistics including factorial ANOVA, repeated measures design, multiple regression, ANCOVA, log-linear analysis. Applications in education and the social sciences.

**Prerequisites:** ERM 680 or equivalent, or permission of instructor.

**ERM 682 Multivariate Analysis 3**

Multivariate normal distribution. Cluster analysis, discriminant analysis, canonical correlation, principal component analysis, factor analysis, multivariate analysis of variance. Use and interpretation of relevant statistical software.

**Prerequisites:** ERM 680 and ERM 681, or STA 573, or STA 662, or permission of instructor.

**ERM 685 R for Education and the Social Sciences 3**

Using R to learn about programming fundamentals, data management, automating large numbers of analyses, conducting simulation studies, conducting specialized analyses, and producing high quality graphics.

**Prerequisites:** ERM 681.

**Corequisites:** ERM 681 or equivalent.

**ERM 688 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

**Prerequisites:** Advanced master's or doctoral standing or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ERM 688B Cont Pr Sem:Hot Topics Ed Res 3****ERM 692 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

**Prerequisites:** Permission of instructor.

**ERM 700 Validity and Validation 3**

Validity is fundamental to all testing operations. The course covers seminal theories, critical perspectives, as well as prominent validation research of critical importance to professionals working in diverse industry settings.

**ERM 704 Methods of Educational Research 3**

Techniques and uses of research in education. Designed to provide the student with the ability to read, understand, and critically evaluate published empirical research.

**Notes:** Students who took this course as EAR 593 are not eligible to take ERM 704 and receive credit.

**ERM 720 Evaluation and Public Policy 3**

This course will provide students with a critical understanding of the multiple connections (and disconnections) between public policy and evaluation.

**Prerequisites:** ERM 741 or equivalent.

**ERM 726 Advanced Topics in Educational Measurement 3**

Technical developments and applications in classical test theory, item response theory, generalizability theory, models of selection bias, differential item functioning, and test score equating.

**ERM 727 Computer-Based Testing: Methods and Applications 3**

Computer-based testing applications including automated test assembly, item banking, computer-adaptive and multistage testing, web-based testing, large scale assessment development and support systems, and computer-based performance assessments. Covers state-of-the-art research and developments.

**Prerequisites:** ERM 767.

**ERM 730 Practicum in Educational Research and Evaluation 3**

Field-based and mentored practicum.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**ERM 731 Structural Equation Modeling in Education 3**

Formulation of structural models, estimation of structural coefficients using LISREL, estimation of model fit, confirmatory factor analysis models, practical applications.

**Prerequisites:** ERM 782 or permission of instructor.

**ERM 732 Hierarchical Linear Modeling 3**

Structure of hierarchical data, random intercepts, individual change/growth models, applications in meta-analysis, assessing hierarchical models, hierarchical generalized linear models, hierarchical models for latent variables, cross-classified random effects, estimation.

**Prerequisites:** ERM 782 or STA 671 or permission of instructor.

**ERM 733 Second Language Assessment and Testing 3**

Theoretical and practical issues related to second language testing with special attention paid to the assessment of English as a second language, world Englishes, and foreign languages.

**ERM 734 Equating 3**

Equating designs, equating and scaling assumptions, design of anchor sets, observed score equating methods, true-score equating methods, standard error of equating, use and interpretation of relevant statistical software.

**Prerequisites:** ERM 781 or ERM 767 or permission of instructor.

**ERM 736 Advanced Studies in Second Language Testing 3**

Language testing for English and foreign language learners, as well as the World Englishes domain. It investigates policies, theories, research, and tools employed to measure different language modalities.

**ERM 737 Diagnostic Classification Models 3**

Philosophy of diagnostics models, DINA/DINO model, RUM, Log-Linear Cognitive Diagnosis Model, Test Construction, Estimation of Diagnostic Models, Application of Diagnostic Models.

**Prerequisites:** ERM 769.

**ERM 741 Evaluation of Educational Programs 3**

Existing and emerging formulations of educational evaluation. Developing operational guidelines for conducting evaluations in educational settings.

**ERM 742 Advanced Topics in the Evaluation of Educational Programs 3**

Theoretical understanding of evaluation design and strengthening of practical program evaluation skills.

**ERM 743 Advanced Theory in Program Evaluation 3**

Advanced seminar of complex issues in program evaluation. Students will develop a deep synthesis of the major approaches and theories of evaluation. The purpose of evaluation in society will be examined.

**Prerequisites:** ERM 741 or equivalent.

**ERM 744 Approaches to Collaborative Research and Evaluation in Education 3**

This course provides a comprehensive overview of collaborative and participatory approaches to evaluation and research in educational settings and how these approaches are differentiated from other methodological approaches.

**Prerequisites:** ERM 704.

**ERM 745 Culturally Responsive Approaches to Research and Evaluation 3**

This course provides a comprehensive overview of culturally responsive approaches to evaluation and research in educational settings and includes both theoretical and practical applications.

**Prerequisites:** ERM 704.

**ERM 749 Foundations of Qualitative Research Methods 3**

This course will provide graduate students with a theoretical understanding of qualitative research and practical, hands-on experience conducting a small-scale study.

**ERM 750 Case Study Methods in Educational Research 3**

Overview of the methodology of case study research; enhancement of students' skills in using case study methods.

**Prerequisites:** ERM 704, ERM 741, or equivalent.

**ERM 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ERM 752 Applied Educational Evaluation 3**

An application course that uses modern evaluation models, data collection, statistical analyses, and interpretation of findings to establish the effectiveness and utility of an educational program.

**Prerequisites:** ERM 741.

**ERM 767 Foundations of Educational Measurement Theory 3**

Statistical foundations, classical test theory, reliability, validity, item analysis, and norms; selected topics in modern test theory. Designed for those who will develop, evaluate, and select measurement instruments in their professional roles.

**Prerequisites:** ERM 780 or equivalent course.

**Notes:** Credit may not be obtained for PSY 437.

**ERM 768 Survey Research Methods in Education 3**

Theory, methods, and procedures of survey research as this methodology is applied to problems in education. Sampling from finite populations.

**Prerequisites:** ERM 780 or equivalent.

**ERM 769 Item Response Theory 3**

Conceptual and mathematical foundations, parameter estimation, tests of model assumptions and goodness of fit, and practical applications of IRT.

**Prerequisites:** ERM 767 and either ERM 781 or STA 662 or equivalent courses.

**ERM 771 Advanced Item Response Theory 3**

Estimation techniques for various unidimensional dichotomous and polytomous IRT models using various software packages. IRT applications such as computerized testing, equating, test construction, and differential item/test functioning are also covered.

**Prerequisites:** ERM 769 or equivalent.

**ERM 772 Multidimensional Item Response Theory 3**

Multidimensional item response theory models including their estimation, representation, and application. Use of relevant estimation and graphing software discussed.

**Prerequisites:** ERM 769 and ERM 771 or permission of instructor.

**ERM 774 Data Visualization and Presentation 3**

Modern techniques for summarizing and visualizing univariate and multivariate data using various statistical and graphical software packages. Covers theories and research on graphics and the perception of visual data.

**Prerequisites:** ERM 780.

**ERM 775 Directed Doctoral Research 1-6**

Individual work on dissertation research problems: collection and analysis of data; critical review, integration, and interpretation of research literature on a topic pertinent to the student's dissertation.

**Prerequisites:** Doctoral students in ERM and permission of instructor.

**ERM 780 Intermediate Statistical Methods in Education 3**

Applied descriptive and inferential statistics. Topics include applied probability, power analysis, chi-square distributions, hypothesis testing for a variety of applications, and correlation and regression. Concept learning, applications, and computer analyses are stressed.

**Prerequisites:** Elementary algebra.

**Notes:** Students who took this course as ERM 618 are not eligible to take ERM 780 and receive credit.

**ERM 781 Design and Analysis of Educational Experiments 3**

Advanced inferential statistics including factorial ANOVA, repeated measures design, multiple regression, ANCOVA, log-linear analysis. Applications in education and the social sciences.

**Prerequisites:** ERM 780 or equivalent or permission of instructor.

**ERM 782 Multivariate Analysis 3**

Multivariate normal distribution. Cluster analysis, discriminant analysis, canonical correlation, principal component analysis, factor analysis, multivariate analysis of variance. Use and interpretation of relevant statistical software.

**Prerequisites:** ERM 780 and ERM 781, or STA 635, or STA 662, or permission of instructor.

**ERM 785 R for Education and the Social Sciences 3**

Using R to learn about programming fundamentals, data management, automating large numbers of analyses, conducting simulation studies, conducting specialized analyses, and producing high quality graphics.

**Prerequisites:** ERM 781.

**Corequisites:** ERM 781 or equivalent.

**ERM 788 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript, e.g., Contemporary Problems Seminar: Issues in Professional Negotiations.

**Prerequisites:** Doctoral standing or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**ERM 792 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

**Prerequisites:** Permission of instructor.

**ERM 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**ERM 801 Thesis Extension 1-3**

Thesis Extension.

**ERM 802 Dissertation Extension 1-3**

Dissertation Extension.

**ERM 803 Research Extension 1-3**

Research Extension.

# English (ENG)

**ENG 100 Being a College Writer 3**

Writing instruction and practice to develop awareness of audience, context, and purpose to enable success in academic writing courses. Focus on metacognition, embodied writing processes, and use of models to help writers gain fluency and confidence.

**ENG 101 Exploring Writing in College Contexts 3**

A course in academic writing, focused on analysis, argument, and critical reflection. Instruction in writing for specific audiences, purposes, and contexts, with attention to drafting, revising, and compilation of a final portfolio.

**MAC:** MAC Written Communication

**Prerequisites:** None.

**Notes:** Equivalent to FMS 115 or RCO 101. Students may not receive credit for both ENG 101 and either FMS 115 or RCO 101.

**ENG 102 Academic Research and Writing 3**

A course in research-based writing, focused on analysis, argument, and critical reflection. Instruction in research methodologies as relevant to academic writing projects.

**MAC:** MAC Written Communication

**ENG 103 Essentials of Professional and Business Writing 3**

Focus: written skills needed for workplace success. Emphasizes process strategies for clear, concise, and accurate messages. Develops skills in producing professional documents, analyzing the writing of others, and collaborating on written assignments.

**MAC:** MAC Written Communication

**ENG 104 Approach to Literature 3**

Critical reading and analysis of fiction, poetry and drama with an emphasis on a variety of major themes and their relevance to contemporary life.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 105 Introduction to Narrative 3**

Critical reading and analysis of American and British novels, short stories, and narrative poems. Attention to historical, cultural, and literary backgrounds as appropriate.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 106 Introduction to Poetry 3**

Critical reading and analysis of British and American lyric, dramatic, and narrative poetry. Attention to historical, cultural, and literary backgrounds as appropriate.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 107 Introduction to Drama 3**

Critical reading and analysis of British and American drama. Attention to historical, cultural, and literary backgrounds, especially the Continental dramatic background, as appropriate.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 108 Topics in British and American Literature 3**

Variable topics. Offerings may include Southern Writers, The Mystery Novel, Women Writers, The Imperial Imagination, and Grail Literature.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 109 Introduction to Shakespeare 3**

Intensive study of a limited number of plays (and perhaps some sonnets) using such approaches as textual analysis, historical material, filmed versions, attendance at productions, discussion, writing, and performance study.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 110 World Literature in English 3**

Introductory survey of literature written in English by authors from regions outside the United States and the British Isles—the West Indies, India, Canada, Africa, Australia, and New Zealand.

**MAC:** MAC Global and Intercultural

**ENG 115 Literature Off the Page 3**

This course teaches listening, speaking, and writing for oral delivery in the context of literature and literary studies. Students focus on dramatic and performative aspects of different literary genres (drama, poetry, fiction), practicing modes of ethical interpersonal communication as they develop their capacities in oral communication and persuasion.

**MAC:** MAC Oral Communication

**ENG 116 Reading and Writing for Living 3**

Reading carefully and writing effectively are foundations of successful careers and integral to meaningful lives. This course uses asset-based mentorship, collaborative projects, and core humanities skills to develop the talents students bring to the course as a foundation for future success. Specific topics may vary with the instructor.

**MAC:** MAC Foundations

**ENG 123 Speaking Out for Change: Advocacy Communication Across Contexts 3**

This course teaches listening, speaking, and writing in public contexts, with special attention on embodied and multimodal delivery. Students practice interpersonal communication formally and informally as they develop their capacities in oral communication.

**MAC:** MAC Oral Communication

**ENG 140 Literature, Health, & Wellness 3**

An exploration of literature in relation to mental and physical health and wellness. Variable topics and time periods, with emphasis on how literature represents, challenges, and changes historical and contemporary ideas about health and well-being.

**MAC:** MAC Health and Wellness

**ENG 190 Literature, Gender, & Identity 3**

Examines representations of gender in literary and other texts (e.g., film and photography) as they relate to identities shaped by multiple structures or systems of community or exclusion, including, among others, sexuality, race, class, age, and ability.

**MAC:** MAC Diversity and Equity

**ENG 201 European Literary Classics: Ancient to Renaissance 3**

Critical reading and analysis of works in translation: Homer, Dante, Cervantes, and others.

**MAC:** MAC Global and Intercultural

**ENG 204 Nonwestern Literary Classics 3**

Reading and analysis of the most influential literary texts of Non-Western cultures, ancient through modern; readings include translations of prose and poetry from Asia, the Middle East, and Africa.

**MAC:** MAC Global and Intercultural

**ENG 205 Sports and Literature 3**

Explores relationships between literature, culture, and sports; considers literary portrayals of exceptional and athletic bodies alongside investigations of athleticism, race, gender, and embodiment.

**MAC:** MAC Health and Wellness

**ENG 208 Topics in Global Literature 3**

Variable topics, with emphasis on regional interconnections. Offerings may include Europe at War, World Women Writers, Literature and Revolution, and Holocaust Literature.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**ENG 209 Topics in Non-Western Literature 3**

Variable topics, with emphasis on regional interconnections. Offerings may include South Asian Diaspora, Comparative Indigenous Writings, Postcolonial Childhood, Afro-Caribbean Writers, and Australasian Writers.

**MAC:** MAC Global and Intercultural

**ENG 210 Literature and the Arts 3**

Exploration of the relationships between literary and extraliterary arts such as music, visual arts, cinema, and architecture. Extraliterary focus will vary.

**MAC:** MAC CritThink Hum and Fine Art

**CIC:** CIC College Writing

**ENG 211 Major British Authors: Medieval to Eighteenth Century 3**

Major poets, dramatists, satirists read within the context of their times: Marie de France, Chaucer, Shakespeare, Milton, Behn, Pope, Swift, and others.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 212 Major British Authors: Romantic to Modern 3**

Major authors of the Romantic, Victorian and Modern periods studied in relation to their times and traditions: Wordsworth, Tennyson, Yeats, Joyce, and others.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 213 Transcultural Literatures: Medieval to Enlightenment 3**

Historical and transnational or transatlantic development of literatures in English from 700 to 1780.

**ENG 215 Literature and Film 3**

Selected short stories, novels, plays, film scripts and their film versions, with emphasis on rendering literary values into film.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 219 Journalism I: Fundamentals of Newswriting 3**

Introduction to newspaper journalism. Emphasis on basic newswriting and reporting. Combines writing workshop and lecture.

**MAC:** MAC Written Communication

**CIC:** CIC College Writing

**ENG 221 Writing of Poetry: Introductory 3**

Introduction to the craft and practice of writing poetry, including reading and analysis of published poems, creative writing exercises, and submission of poems for group workshop discussion.

**ENG 223 Advocacy Writing 3**

Course focused on public-oriented writing around topics linked to students' academic interests; students engage in reflection and develop public-facing arguments connected to an issue of concern for them.

**MAC:** MAC Written Communication

**CIC:** CIC College Writing

**ENG 225 Writing of Fiction: Introductory 3**

Introduction to the craft and practice of writing fiction, including reading and analysis of published stories, creative writing exercises, and submission of short fiction for group workshop discussion.

**ENG 227 Storylab: Multimodal Narrative 3**

Students will examine and articulate through presentations and collaborative formal discussions how traditional elements of storytelling can be augmented with interactive and/or multisensory narrative techniques. Students will conceptualize, pitch, and execute their own multimodal projects, which may include graphic stories, audio stories, podcast and videogame scripts, and hypertext writing.

**MAC:** MAC Oral Communication

**ENG 230 Writing for the Workplace and Public Audiences 3**

Writing for diverse genres, contexts, and communities across a range of workplace and public settings.

**MAC:** MAC Written Communication

**ENG 235 Topics in Speculative Fiction 3**

Historical and critical study of texts from various kinds of speculative fiction, such as fantasy, science fiction, and utopian and/or dystopian writing.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** May be repeated once for credit when topic changes.

**ENG 237 Monsters and Heroes: Race and Gender in Video Games and Literature 3**

In this course, students will interrogate and compare constructions of "monsters" and "heroes" in video games and literature through the application of critical theories of race, gender, and sexuality.

**MAC:** MAC Diversity and Equity

**ENG 240 Health and Wellness in Cultural Context 3**

Study of the composition and language of texts related to health, medicine, and wellness in historical and contemporary cultural contexts in the following realms: personal, interpersonal, medical, public health, health policy.

**MAC:** MAC Health and Wellness

**ENG 241 Food and Literature: Culture, Identity, and Place 3**

Literature reflects and shapes culture—and so does food. This course examines diverse texts in which food figures importantly. How does it promote health and wellness, continue cultural traditions, or speak to environmental concerns? This course is for everyone who likes to grow, buy, cook, eat, or share food.

**MAC:** MAC Health and Wellness

**ENG 251 Colonial and U.S. Literature to 1865 3**

This course offers a survey of writings in the American colonies and the United States before the Civil War.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Sophomore, junior, or senior standing. or permission of instructor.

**ENG 252 U.S. Literature Civil War to the Present 3**

This course is a survey of writing in the U. S. from the Civil War to the present.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Sophomore, junior, or senior standing. or permission of instructor.

**ENG 260 Introduction to the English Language 3**

Relationship between the English language as a system and individual uses of language. Techniques for describing language, theories about language, and introduction to the structure and history of English.

**ENG 262 Language and Society 3**

Introduction to language in its sociocultural context. Topics include geographical and social dialects, language and identity, domains of language use, language attitudes, and the nature of multilingual societies.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 270 Big Questions in the Humanities and Fine Arts 3**

This class explores how the study of literature and rhetoric addresses significant philosophical, historical, and social issues with a focus on topics related to critical thinking in the humanities and fine arts. Topics will vary depending on instructors.

**MAC:** MAC CritThink Hum and Fine Art

**ENG 271 Big Questions in Health and Wellness 3**

This class explores how the study of literature and rhetoric addresses significant philosophical, historical, and social issues with a focus on topics related to health and wellness. Topic will vary depending on instructor.

**MAC:** MAC Health and Wellness

**ENG 272 Big Questions in Diversity and Equity 3**

This class explores how the study of literature and rhetoric addresses significant philosophical, historical, and social issues with a focus on topics related to diversity and equity. Topic will vary depending on instructor.

**MAC:** MAC Diversity and Equity

**ENG 273 Big Questions in Global Engagement and Intercultural Learning 3**

This class explores how the study of literature and rhetoric helps situate readers in global contexts and engage across cultures. Topics will vary depending on instructors.

**MAC:** MAC Global and Intercultural

**ENG 290 Social Movement and Social Justice Rhetorics 3**

Drawing on historical and contemporary social movements, the course focuses on verbal and non-verbal rhetorical strategies of groups and individuals attempting to effect social change, and their opponents' counter-strategies.

**MAC:** MAC Diversity and Equity

**ENG 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ENG 301 Topics in Theory and Method 3**

In this course, students will develop facility with critical tools for analysis, inquiry, interpretation, and research that they can use to approach many different types of texts. Topic will vary depending on instructor.

**CIC:** CIC College Writing

**ENG 303 Literary Theory 3**

This course introduces students to a range of methodologies for understanding and analyzing literature. Through an exploration of literary and cultural theory, criticism, and historical contexts, this College Writing course prepares students for research-based inquiry in literary and cultural studies.

**CIC:** CIC College Writing

**Prerequisites:** ENGL major.

**ENG 304 History and Theory of Rhetoric 3**

An introduction to major rhetorical theories and philosophies in their socio-historical context from the ancient Greeks through the twentieth century.

**CIC:** CIC College Writing

**ENG 305 Contemporary Rhetoric 3**

Introduction to contemporary rhetorical theory and practice; practice with writing and reading in a variety of genres/disciplines using tools of rhetoric.

**CIC:** CIC College Writing

**ENG 306 Digital Rhetoric 3**

Study of rhetorical theory and practice in digital environments; practice analyzing and composing a variety of visual, online, and multimodal texts.

**CIC:** CIC College Writing

**ENG 307 Public Advocacy and Argument 3**

Designed for students of all majors, this course addresses the rhetorical dimensions of the advocacy and implementation of ideas and projects in professional and social arenas.

**ENG 310 Young Adult Literature 3**

Focus on the historical and critical study of the Young Adult genre; examination of themes; strategies of effective reading; discussion techniques for teachers.

**Prerequisites:** Permission of instructor.

**ENG 315 Postcolonial Literatures 3**

Literature from South Asia, Africa, the Caribbean, Australia, and Canada marked by the experience of European colonialism. Topics include non-European literary forms, colonization, political resistance, nationalism, gender, postcolonial predicaments.

**Prerequisites:** Sophomore, junior, or senior standing.

**ENG 316 Studies in Human Rights and Literature 3**

Exploration of how literature treats human rights violations and how human rights norms shape stories. Topics will vary and may include such subjects as genocide, hunger, child soldiers, censorship, torture.

**Notes:** May be repeated for credit when topic varies.

**ENG 320 Journalism III: Feature Writing and Reviewing 3**

Writing workshop: values and journalistic practices in writing feature articles and reviews; includes book reviewing and critical writing on other arts.

**Prerequisites:** ENG 219 or permission of instructor.

**ENG 321 Linguistics for Teachers 3**

Introduction to formal study of the English language, including intensive review of structural and transformational grammars. Other topics of interest to teachers of English, including geographical and social dialects and teaching composition. Course satisfies a Program requirement for prospective English teachers.

**ENG 322 The Teaching of Writing 3**

Principles of written discourse with a survey of techniques of teaching composition. Instruction in composing, editing, and criticizing written discourse.

**CIC:** CIC College Writing

**ENG 323 Literary Nonfiction 3**

Workshop in writing essays and other types of nonfiction with emphasis on audience and style.

**ENG 324 Teaching Writing in Elementary and Middle Grades 3**

Principles of written discourse with a survey of techniques of teaching composition in the middle and elementary grades. Instruction in composing, editing, and criticizing written discourse.

**CIC:** CIC College Writing

**Prerequisites:** MDED and ELED majors.

**ENG 325 Writing of Fiction: Intermediate 3**

Continuation of introductory workshop in writing fiction for students beyond the freshman year.

**Prerequisites:** ENG 225 or permission of instructor.

**ENG 326 Writing of Poetry: Intermediate 3**

Continuation of introductory workshop in writing poetry for students beyond the freshman year.

**Prerequisites:** ENG 221 or permission of instructor.

**ENG 327 Writing for Professionals and Entrepreneurs 3**

Principles of written communication emphasizing clarity, precision, audience analysis, arrangement, and collaboration applied to a variety of professional and entrepreneurial writing tasks and workplace settings; includes elements of summaries, reports, and proposals.

**CIC:** CIC College Writing

**Prerequisites:** General Education Reasoning and Discourse requirement (GRD) must already have been met.

**Notes:** May be repeated for credit. Same as ENT 327.

**ENG 331 Women in Literature 3**

Study of women as readers, writers, and characters in literature. Attention to questions of literary canon and to women's position in drama, the novel, and poetry.

**ENG 332 English Women Writers before 1800 3**

Study of the literary and social significance of texts written in various genres by English women prior to 1800.

**ENG 333 Southern Writers 3**

Fiction, poetry, drama of the modern and contemporary South. Emphasis on Southern perspectives, values, traditions. Faulkner, Welty, Wright, Tate, O'Connor, Percy, and others.

**ENG 335 Dante in English 3**

Introduction to Dante's Divine Comedy in English translation. Students examine and interpret Dante's epic poem and minor works; his sources and circumstances; and literature in English influenced by his works.

**Prerequisites:** Sophomore standing or higher.

**ENG 336 Introduction to Chaucer 3**

Chaucer's major poetry examined within the context of medieval cultural traditions. Readings in the early dream visions, Troilus and Criseyde, and selected Canterbury Tales. Attention given to language and pronunciation.

**ENG 337 English Literature to 1500 3**

Culture of the Middle Ages. Selected reading in English literature from Beowulf to Malory. Works in Anglo-Saxon and some in Middle English in translation.

**ENG 338 The Sixteenth Century 1500-1610 3**

Earlier English Renaissance lyric, romance, prose, and drama; study of humanist backgrounds and contexts; emphasis on development of thought and style.

**ENG 339 Shakespeare: Early Plays and Sonnets 3**

A selection of representative plays including Romeo and Juliet, A Midsummer Night's Dream, 1 Henry IV, Much Ado about Nothing, Henry V, and Hamlet.

**ENG 340 Shakespeare: Later Plays 3**

A selection of representative plays, including Othello, King Lear, Macbeth, Anthony and Cleopatra, Measure for Measure, and The Tempest.

**ENG 342 The Seventeenth Century 3**

Main lines of thought and style noted in major writers of the later Renaissance from Donne and Jonson through Milton. Emphasis on lyric and metaphysical poetry.

**ENG 343 Topics in Pre-1800 Literature 3**

Exploration of selected topics in literature in English before 1800.

**CIC:** CIC College Writing

**Notes:** May be repeated once for credit when topic changes.

**ENG 344 The Romantic Period 3**

Critical study of British literature, and its historical and/or cultural contexts, in the period from the French Revolution through the 1830s.

**ENG 345 The Victorian Period 3**

Critical study of British literature, and its historical and/or cultural contexts, from the late 1830s through the early 1900s.

**ENG 346 English Literature from Victorian to Modern 3**

Critical study of English literature from the end of Victorian period to beginning of the modern era. Features such writers as Pater, Wilde, Yeats, Shaw, Hardy, Conrad, Ford, and Wells.

**ENG 347 Topics in Post-1800 Literature 3**

Exploration of selected topics in literature in English after 1800.

**Notes:** May be repeated once for credit when topic changes.

**ENG 348 Contemporary British Literature and Culture 3**

Post-1945 British literature in cultural, political/historical context. Topics include history, social class, sexuality, gender, race, immigration, post-imperial nostalgia, realism, the legacy of modernism, postmodernism, and cultural studies.

**ENG 350 The Twentieth-Century British and Irish Novel 3**

Development of the British and Irish novel from Conrad through end of World War II, featuring such writers as Forster, Lawrence, Joyce, Woolf, Huxley, Orwell, West, and Greene.

**ENG 351 The American Novel through World War I 3**

Historical and critical study of Hawthorne, Stowe, Twain, Alcott, Chesnutt, James, Johnson, and others.

**ENG 352 The Twentieth-Century American Novel 3**

Historical and critical study of Wharton, Cather, Fitzgerald, Hemingway, Hurston, Faulkner, Wright, Welty, and others.

**ENG 353 The Contemporary American Novel 3**

Historical and critical study of Updike, McCarthy, Gaddis, Morrison, Tan, Pynchon, and others.

**ENG 357 Modernism 3**

A study of the avant-garde literature of the early twentieth-century, focusing on poetry, prose, and drama by writers such as Marcel Proust, Virginia Wolf, T. S. Eliot, Franz Kafka, and others.

**ENG 358 Modern Poetry 3**

Poets and schools of poetry, British and American, from 1915 to 1945, with emphasis on the great variety of styles and subjects.

**ENG 359 Contemporary Poetry 3**

British and American poetry 1945 to present. Emphasis on themes and styles, with particular attention given to classical sources, world history, and modern innovations in technique.

**ENG 360 The Restoration and the Eighteenth Century 3**

Selected writers of the Restoration and eighteenth century in a historical, literary, and cultural context: Dryden, Behn, Finch, Pope, Swift, Haywood, Johnson, and others.

**ENG 363 Topics in Rhetoric and Composition 3**

Exploration of selected topics in Rhetoric and Composition.

**Notes:** May be repeated once for credit when the topic changes.

**ENG 365 Writing Across the University 3**

Introduction to theories of genre and scholarship on writing across disciplines. Students investigate the communication practices of a selected academic community and propose a discipline-specific research project.

**ENG 371 Literary Study of the Bible 3**

The Bible as part of the world's great literature. Designed to give students a better comprehension of the Bible through study of its origins, history, structure, and literary qualities.

**ENG 372 Early American Literature 3**

Literature in the New World to 1820. Topics include exploration and contact, Puritanism, the Great Awakening, the Revolution, and the rise of captivity and travel narratives and the novel.

**ENG 373 American Romanticism 3**

Survey of selected major romantic writers, c. 1800–1900: Irving, Bryant, Cooper, Prescott, Poe, Hawthorne, Melville, and authors from the Brahmin and Transcendentalist groups. Authors and topics will vary.

**ENG 374 Early African American Writers 3**

Critical survey of the traditions, ideas, techniques, and directions of African American writing from its beginnings to the early Harlem Renaissance.

**ENG 375 Topics in Native American and Indigenous Studies 3**

Exploration of the literatures, cultural productions, histories, and politics of indigenous peoples. Topic will vary depending on section.

**Notes:** May be repeated for credit when topic varies. Same as WGS 375.

**ENG 376 African American Writers after the 1920s 3**

Critical survey of the traditions, thought, and directions of African American writing from the late Harlem Renaissance to the present.

**ENG 377 American Realism and Naturalism 3**

Survey of major realistic and naturalistic writers, c. 1860–1920: Stowe, Twain, Howells, James, Chopin, Dreiser, Chesnutt, Wharton, Glasgow, and others. Authors and topics will vary.

**ENG 378 American Life-Writing 3**

Survey of various forms of American life-writing, such as autobiographies, diaries, letters, journals, tribal history, narrative poetry, and travel writing; and affiliated critical work.

**ENG 379 American Women's Writing 3**

Survey of a particular area, period, theme, or genre of American women's writing and affiliated critical work.

**ENG 380 Literature and the Environment 3**

Exploration of some important post-1800 literary texts about "nature," of ecocritical theories, and of affiliated social movements, with particular attention to place-based differences.

**ENG 381 English Drama to 1800 3**

Critical, cultural, and historical study of the English drama—excluding Shakespeare—from medieval plays to eighteenth-century comedy: Marlowe, Jonson, Webster, Dryden, Congreve, Sheridan, and others.

**ENG 383 Topics in Queer and Trans Studies 3**

Exploration of the writings and cultural production, in any period, through the lens of queer and/or trans studies.

**Notes:** May be repeated for credit when topic varies.

**ENG 390 Studies in Writing Center Theory and Practice 3**

Principles of writing center theory, including writing center history, philosophy, and pedagogy; training of writing center consultants and experience in teaching writing in individualized or small-group tutorial sessions.

**CIC:** CIC College Writing

**Prerequisites:** Permission of instructor.

**ENG 391 Studies in Digital Studio Theory and Practice 3**

Explores digital rhetoric, aesthetic design, and pedagogy; training Digital Studio consultants to conduct individualized tutorials and workshops.

**CIC:** CIC College Writing

**Notes:** ENGL major cannot receive elective credit for both ENG 390 and ENG 391.

**ENG 400 Contemporary Publishing in America 3**

An introduction to the issues and practices in contemporary publishing in America, from acquiring, editing, and preparing manuscripts to their publication as printed books and e-books.

**Prerequisites:** ENGL major and junior or senior standing. or permission of instructor.

**ENG 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ENG 401 Internship in Journalism and Editing 3**

Field experience for junior and senior English majors and minors with a newspaper or magazine publisher. Academic supervision provided by Internship Coordinator and direction in field provided by job supervisor.

**Prerequisites:** ENGL major or minor. junior or senior standing; 3.0 cumulative GPA; recommendation of UNCG English faculty member and permission of the Internship Coordinator.

**ENG 402 Internship in English Studies 3**

Field experience for junior and senior English majors and minors in jobs related to English studies. Academic supervision provided by Internship Coordinator and direction in field provided by job supervisor.

**Prerequisites:** ENGL major or minor. junior or senior standing; 3.0 cumulative GPA; recommendation of UNCG English faculty member and permission of the Internship Coordinator.

**ENG 403 Multiliteracy Center Internship 3**

Internship experience at one of the Multiliteracy Centers involving consultation experience and/or special projects. Academic supervision provided by Internship Coordinator and direction in the center provided by a Multiliteracy Center director.

**Prerequisites:** ENG 390 or ENG 391 and written permission of the instructor. 3.0 GPA; recommendation of a Multiliteracy Center Director; written permission of the internship coordinator.

**ENG 410 Old English 3**

Language and literature of the Anglo-Saxon period (AD 600–1100). The language is studied primarily in conjunction with literary texts in the context of their history and culture.

**ENG 413 History of the English Language 3**

Origins and development of the English language, methods of historical language study, and competing theories of linguistic change. Practical emphasis on reading and analysis of texts in Old, Middle, and Early Modern English.

**ENG 422 Teaching Composition: Theories and Applications 3**

Theories of the composing process and of discourse generally as they apply to the problems of teaching composition. Background studies in language and other related areas. Specific approaches to teaching composition, their rationales and their comparative usefulness.

**Notes:** ENG 321 or ENG 660 recommended.

**ENG 424 Writing-Advanced: Analytical and Technical 3**

Problems of organization and expression in books, articles, and reports. For those writing for publication or whose work in business or government requires a great deal of writing.

**ENG 425 Writing of Fiction: Advanced 3**

Advanced workshop in writing fiction. Discussion of student fiction supplemented by readings of fiction and essays about fiction by historical and contemporary masters of the genre.

**Prerequisites:** ENG 325 or permission of instructor.

**ENG 426 Writing of Poetry: Advanced 3**

Advanced workshop in writing poetry. Discussion of student poetry supplemented by readings of poetry and essays about poetry by historical and contemporary masters of the genre.

**Prerequisites:** ENG 326 or permission of instructor.

**ENG 431 Feminist Theory and Women Writers 3**

Examines gender and creativity, women's place in literary tradition, and connections among art, gender, race, and class. Focuses on contemporary theory and on literary works from one historical period.

**ENG 435 Entrepreneurship and Independent Press Publishing 3**

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

**Prerequisites:** Permission of instructor.

**Notes:** Same as ENT 435.

**ENG 437 Middle English Literature 3**

Language and literature of the thirteenth-, fourteenth-, and fifteenth-century England.

**ENG 440 Shakespeare 3**

Major comedies, histories, tragedies selected for topical study. Related background readings and criticism.

**ENG 441 Milton 3**

Milton's major poems and his most important prose works in their seventeenth-century setting.

**ENG 445 Nineteenth-Century British Writers 3**

Major Romantic and/or Victorian writers. Attention to poetry and prose.

**ENG 449 The Critical Canon and Contemporary Issues 3**

Important critical writings from ancient Greece through the nineteenth century, emphasizing their influence upon modern theory and practice.

**ENG 452 Modern British Writers 3**

Major novelists, poets, and playwrights of the modernist period.

**ENG 453 Topics in English Studies 3**

Studies in selected topics in English or American literature or language.

**Notes:** May be repeated once for credit when topic varies.

**ENG 458 American Poetry After 1900 3**

Critical and historical study of major twentieth-century American poets to World War II.

**ENG 459 Twentieth-Century British Poetry 3**

Critical and historical study of twentieth-century British poetry to World War II.

**ENG 461 Eighteenth-Century British Writers 3**

Selected major writers, 1660–1800, from among Dryden, Swift, Pope, Johnson, and others.

**ENG 463 American Poetry Before 1900 3**

American poetry and related critical theory with special emphasis on Taylor, Poe, Emerson, Whitman, and Dickinson.

**ENG 464 American Prose Before 1900 3**

Genres, themes, and movements of American prose, fiction and non-fiction, written before 1900.

**ENG 465 American Prose After 1900 3**

American prose written after 1900, with an emphasis on historical context, prose traditions in America, and the development of form, style, and genre.

**ENG 482 Modern Drama 3**

Drama of late nineteenth century and twentieth century, continental, English, and American.

**ENG 490 Literacy, Learning, and Fieldwork 4**

Examines the historical, pedagogical, ideological and theoretical threads of literacy studies, debates and programs. Includes training/tutoring fieldwork in local literacy programs, primarily in the public libraries.

**ENG 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**ENG 513 History of the English Language 3**

Origins and development of the English language, methods of historical language study, and competing theories of linguistic change. Practical emphasis on reading and analysis of texts in Old, Middle, and Early Modern English.

**ENG 522 Teaching Composition: Theories and Applications 3**

Theories of the composing process and of discourse generally as they apply to the problems of teaching composition. Background studies in language and other related areas. Specific approaches to teaching composition, their rationales and their comparative usefulness.

**Notes:** ENG 660 recommended.

**ENG 535 Entrepreneurship and Independent Press Publishing 3**

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

**Prerequisites:** Permission of instructor.

**Notes:** Same as ENT 535.

**ENG 537 Middle English Literature 3**

Language and literature of the thirteenth-, fourteenth-, and fifteenth-century England.

**ENG 540 Shakespeare 3**

Major comedies, histories, tragedies selected for topical study. Related background readings and criticism.

**ENG 541 Milton 3**

Milton's major poems and his most important prose works in their seventeenth-century setting.

**ENG 549 The Critical Canon and Contemporary Issues 3**

Important critical writings from ancient Greece through the nineteenth century, emphasizing their influence upon modern theory and practice.

**ENG 565 American Prose After 1900 3**

American prose written after 1900, with an emphasis on historical context, prose traditions in America, and the development of form, style, and genre.

**ENG 601 English Studies: Content, Methods, and Bibliography 3**

A general consideration of the discipline of English, the most useful materials and approaches, and the objectives, problems, and issues in the study of language and literature.

**Prerequisites:** Admission to MA program in English or permission of the instructor.

**ENG 602 Electronic Research, Writing, and Editing 3**

Theory and application of computer technology in the study of language, rhetoric and composition, and literature, including related ethical, social, and philosophical issues.

**ENG 604 Electronic Discourse and User Documentation 3**

The study of such user documentation as reference manuals, tutorials, and operating procedures in its traditional, paper-based form and its transformation into electronic form.

**ENG 608 Chaucer 3**

Chaucer's major works, including The Canterbury Tales and Troilus and Criseyde.

**ENG 613 The Internet of Things and Wearable Analytics 3**

Students collect remote/mobile data using a microcomputer (Arduino, Raspberry Pi) or mobile phone, and then analyze that data by creating a dashboard visualization of their data. Additionally, students conduct a survey of relevant issues pertaining to surveillance and privacy rights for remote/mobile data collection projects.

**Prerequisites:** Admission to major or permission of instructor.

**Notes:** Same as IAL 622.

**ENG 618 Literary Citizenship 3**

Exploration of the concepts and motivations of literary citizenship, focusing on its collaborative nature and its potential to enhance both your practice as a writer and your professional presence.

**ENG 620 Contemporary Publishing 3**

An introduction to current practices in the publishing industry from manuscript preparation to the printed book or magazine.

**ENG 622 Internship in English 3**

Practical experience in writing, editing, or other fields related to English studies. Students work under supervision of professionals.

**Prerequisites:** ENG 620 or permission of instructor.

**ENG 623 Writing-Advanced: Nonfiction 3**

Workshop in writing and publishing essays and nonfiction literature (including biography, autobiography, literary and cultural criticism, and extended forms of investigative and analytical reporting).

**ENG 624 Capstone Project in Cultural Analytics 3**

Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.

**Notes:** Same as IAL 689.

**ENG 625 MFA Fiction Workshop 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 626 MFA Fiction Workshop 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 627 MFA Poetry Workshop 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 628 MFA Poetry Workshop 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 630 Early American Literature 3**

Literature in the New World to 1820. Topics include exploration and contact, Puritanism, the Great Awakening, the Revolution, and the rise of captivity and travel narratives and the novel.

**ENG 632 Greensboro Review Literary Magazine Practicum 3**

Literary editing with a focus on the editorial practices of The Greensboro Review. Requirements include weekly readings, multimedia viewing/listening assignments, editorial quizzes focusing on The Chicago Manual of Style, response and reflection assignments, defense of your favorite submissions, editorial query letters, and help with proofreading two issues.

**ENG 638 Southern American Writers 3**

Principal authors, from colonial times to the present, and literary movements related to the development and influence of the Southern tradition in American literature.

**ENG 642 Topics in Pre-1800 Literature 3**

Exploration of selected topics in literature in English before 1800.

**Notes:** Course can be repeated twice for a total of 9 hours credit if the topic or instructor varies.

**ENG 650 Modern Literary and Cultural Theory 3**

Survey of literary theory from the linguistics of Saussure through recent developments such as poststructuralism, feminist theory, reception theory, and cultural studies. Emphasis on relationships among language, culture, and literature.

**ENG 659 Digital Literacies and Online Rhetorics 3**

Analysis of online rhetorics, digital literacies, and Internet/multimedia technologies as applicable to research on readers and writers interacting within online environments.

**ENG 664 Topics in Post-1800 Literature 3**

Exploration of selected topics in literature in English after 1800.

**Notes:** Course can be repeated twice for credit if the topic or instructor varies (total of 9).

**ENG 665 Topics in Post-1800 Literature 3**

Exploration of selected topics in literature in English after 1800.

**ENG 670 Directed Master's Research 3**

Directed research project for students in the MED program. To be taken at the end of the student's plan of study.

**Prerequisites:** Limited to MED candidates.

**ENG 671 Graduate Tutorial in Writing: Fiction 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 672 Graduate Tutorial in Writing: Fiction 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 673 Graduate Tutorial in Writing: Poetry 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 674 Graduate Tutorial in Writing: Poetry 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 675 Scholarly and Critical Writing for the Profession 3**

Instruction in scholarly and professional writing for doctoral students in English. Emphasis on writing for presentation and publication in the field. Practice in disciplinary conventions through in and out-of-class exercises.

**Prerequisites:** Enrollment in PhD Program in English or permission of instructor.

**ENG 677 Special Problems in Writing 3**

Notes: This course reserved for full-time MFA candidates.

**ENG 678 Special Problems in Writing 3**

**Notes:** This course reserved for full-time MFA candidates.

**ENG 680 Teaching Internships in English 3**

Practice in planning and conducting college-level classes under guidance of senior faculty member. Research project in conjunction with internship, under guidance of supervisor and assigned faculty.

**Prerequisites:** Admission to graduate degree program.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**ENG 682 The Structure of Verse 3**

Verse forms and sound patterns in English and American poetry.

**ENG 683 The Structure of Fiction 3**

Elements of prose fiction, with an emphasis on the theory and art of narrative structure.

**Prerequisites:** Admission to MFA program or permission of instructor.

**ENG 688 Women's Rhetoric and Feminist Pedagogy 3**

Seminar in history and theory of women's rhetoric and feminist approaches to teaching. Examines women's writing and teaching in their cultural, social, ethnic, racial contexts.

**Notes:** ENG 522, ENG 531, or ENG 747 recommended.

**ENG 690 History of Rhetoric: Classical through Renaissance 3**

Origins, developments, and competing views of rhetoric from classical antiquity into the 17th century; intersections of rhetoric and public discourse, poetics, education, and gender.

**ENG 691 History of Rhetoric: Enlightenment through Contemporary 3**

Developments and competing views of rhetoric from the Enlightenment to the present; intersections of rhetoric and public discourse, poetics, education, and gender.

**ENG 698 Topics in Rhetoric/Composition 3**

Exploration of selected topics in the study of rhetoric and composition.

**ENG 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**ENG 706 Topics in Gender and Sexuality Studies 3**

Intensive work at an advanced level on a selected topic in Gender and Sexuality Studies.

**Notes:** Same as WGS 706. May be repeated once for credit when topic varies.

**ENG 710 Studies in English Renaissance Literature 3**

Investigation of selected authors or topics.

**Notes:** May be repeated once for credit when topic varies.

**ENG 713 Studies in Seventeenth-Century British Literature 3**

Selected writers, topics, and genres characteristic of the Stuart era in English literature. Topics include 17th century English lyrics and 17th century prose.

**Notes:** May be repeated once when topic varies.

**ENG 717 Studies in Eighteenth-Century British Literature 3**

Study of a major author, movement, or genre, 1660-1800.

**Notes:** May be repeated once for credit when topic varies.

**ENG 720 Studies in 19th-Century British Literature and Culture 3**

Topics in British literature c. 1800-1900, such as genres, aesthetic movements, individual writers or groups of writers, revolution and empire, gender and sexuality, race and slavery, and class and industrialization.

**ENG 724 Studies in British Literature after 1900 3**

Selected modern and contemporary writers, such as Conrad, Shaw, Forster, Larkin, Stoppard, and Byatt.

**Notes:** May be repeated once for credit when topic varies.

**ENG 725 Studies in Modernism 3**

Study of literary modernism in the period 1890-1940, with particular emphasis on the range of textual and ideological experiment characteristic of the era.

**Notes:** May be repeated once for credit when topic varies.

**ENG 730 Studies in American Literature 3**

Exploration of topics in American literature to connect works from different periods, genres, and communities, uncovering broad patterns and trends.

**Notes:** May be repeated once for credit when topic varies.

**ENG 731 Studies in American Literature before 1900 3**

Selected major literary figures and movements.

**Notes:** May be repeated once for credit when topic varies.

**ENG 733 Studies in American Literature after 1900 3**

Selected major literary figures and movements.

**Notes:** May be repeated once for credit when topic varies.

**ENG 734 Studies in American Women Writers 3**

Intensive study of a particular area of American women's writing and affiliated critical work.

**Notes:** May be repeated once for credit when topic varies.

**ENG 735 Studies in African-American Literature 3**

Topics, theories, movements, and authors that comprise the African-American literary tradition.

**Notes:** May be repeated once for credit when topic varies.

**ENG 737 Studies in Multi-Ethnic American Literature 3**

Literatures of American ethnic groups, especially less-taught texts written by Chicano/Latino/Latina-, Asian-, African-, Native-, and Euro-Americans (Jewish, Italian, Irish, German, etc.).

**Notes:** May be repeated once for credit when topic varies.

**ENG 738 Topics in Native American and Indigenous Studies 3**

Exploration of the literatures, cultural productions, histories, and politics of Indigenous peoples. Topic will vary depending on section.

**ENG 740 Studies in Contemporary and Postmodern American Literature 3**

Topics in contemporary and postmodern American literature, culture, and theory.

**Notes:** May be repeated once for credit when topic varies.

**ENG 742 Studies in Rhetorical Theory and Practice 3**

Themes, eras, and/or theorists in the history of rhetorical theory and practice.

**Notes:** May be repeated once for credit when topic varies.

**ENG 744 Seminar in Composition Studies 3**

Studies in special topics related to literacy, the process of composing, composition pedagogy, and composition research.

**Prerequisites:** ENG 522, ENG 747 or permission of instructor.

**Notes:** May be repeated once for credit when topic varies, same as TED 744.

**ENG 746 Studies in Contemporary Rhetorical Theory 3**

Problems and topics in contemporary rhetorical theory; recent trends, issues, methods of rhetorical theory and related disciplines.

**Notes:** May be repeated once for credit when topic varies.

**ENG 747 Teaching College Writing 3**

The teaching of first-year writing at the college level, including history and theories of writing pedagogy and current best practices.

**Prerequisites:** Teaching assistant appointment in English.

**Notes:** Required for new teaching assistants in English.

**ENG 778 Directed Reading 3-6**

Individual conferences. Program of reading formulated to meet the varying needs of each student.

**Prerequisites:** Admission to PhD program, 18 hours of course work beyond the MA, and permission of the Director of Graduate Study.

**ENG 780 Independent Doctoral Study 1-6**

Intensive review of literature and criticism in a given field in preparation for preliminary examination or dissertation.

**Prerequisites:** 36 hours of PhD course work and permission of Director of Graduate Study.

**Notes:** May be repeated for up to six hours credit. Grade: Satisfactory/Unsatisfactory (S/U).

**ENG 799 Dissertation 1-21**

Individual direction in the development and execution of a doctoral dissertation.

**ENG 801 Thesis Extension 1-3**

Thesis Extension.

**ENG 802 Dissertation Extension 1-3**

Dissertation Extension.

**ENG 803 Research Extension 1-3**

Research Extension.

## Entrepreneurship (ENT)

**ENT 130 Entrepreneurship in a Sustainable Global Environment 3**

Global forces will restructure the world economy for the foreseeable future. Entrepreneurship, sustainability, and innovation will drive companies and individuals and produce major changes within that environment.

**MAC:** MAC Global and Intercultural

**Notes:** Same as BUS 130.

**ENT 200 Introduction to Entrepreneurial Finance 3**

Introduction to problems and methods in business finance within the context of entrepreneurial ventures. Topics include business formation, sources of financing, financial statements, business valuation, budgeting, and measuring financial performance.

**Prerequisites:** Entrepreneurship minor for non-business students.

**Notes:** Students may not receive credit for ENT 200, FIN 200, and FIN 315. Same as FIN 200.

**ENT 201 Creativity, Innovation, and Vision 3**

Creativity and innovation is examined through an interdisciplinary lens. We examine how creative and innovative thinking gives us the vision to see opportunities and how they impact society.

**MAC:** MAC CritThink Soc and BehavSci

**Notes:** Same as BUS 201.

**ENT 202 Arts Admin and Entrepreneurship 3**

Introduces foundational skills for successful management, launching and growth of arts organizations. Topics include strategy, organizational structure, new venture launch, entrepreneurship, market analysis, marketing, fundraising and audience engagement.

**Notes:** Same as AAD 202.

**ENT 206 Start Something Globally Sustainable! 3**

Students learn the basics of establishing a new business from idea to inception while identifying dynamic elements of culture and environmental systems through the finalized sustainable global business, esports application, and direct selling assignment. Students may have the opportunity for a loan to establish a viable business.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Same as BUS 206.

**ENT 240 Introduction to the Entrepreneurial Experience 3**

Introduction to the entrepreneurial experience including historical perspectives, the role of entrepreneurs in supporting the economy, the entrepreneurial process, venture creation, and innovation.

**Notes:** Same as BUS 240.

**ENT 250 Purpose-Driven Entrepreneurship 3**

Students will engage in exercises to understand their purpose, develop a plan to create self-employed, meaningful work, and learn strategies to stay connected to the self and the world.

**Notes:** May be repeated once for credit. Business project must be different than the project completed first time taking the course; Same as HHS 250.

**ENT 262 Ethical Issues in Entrepreneurship 3**

Application of ethical theory to global entrepreneurship; including entrepreneur's role in ethical actions, economic justice, responsibility, self and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility, and application to direct selling.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** May not receive credit for both PHI 261 and PHI 262. Same as PHI 262.

**ENT 275 Entrepreneurial Personal Branding 3**

Students will have a better understanding of the entrepreneurial mindset, how to use entrepreneurship strategies personally, and how to best brand and uniquely market themselves.

**Notes:** Same as HHS 275 and IPS 275.

**ENT 276 Creative Space: The Meeting of Art and Entrepreneurship 3**

Students develop self-employment skills with a focus on blending contemporary creative practices and entrepreneurship. Research and basic art skills are combined with entrepreneurship resulting in personal business models.

**Prerequisites:** ART or ENTR major.

**Notes:** Same as ART 276.

**ENT 300 Ideas to Sustainable Opportunities: Feasibility Analysis 3**

Provides the knowledge and skills to develop a sustainable feasibility plan for a new business venture that will be the basis for developing a business plan.

**Prerequisites:** ENT 200 or FIN 200 or ACC 201 or permission of instructor.

**Notes:** Same as BUS 300.

**ENT 307 Global Health 3**

Study of disease burden and health systems in high-, middle-, and low-income countries. Emphasis on challenges and public health and entrepreneurial approaches to improvements in resource-constrained and emerging nations.

**Notes:** Same as HEA 307.

**ENT 309 Entrepreneurship in the Public Sector 3**

Introduction to principles and practices of entrepreneurship in the public sector through literature, case studies of initiatives, such as citizen innovation and cross-sectoral collaborations, online class discussions, and group projects.

**Notes:** Same as PSC 309.

**ENT 312 Economics of Technology 3**

Economic analysis of technological change. Topics include sources of productivity, inventive activity, entrepreneurship, innovation strategy, RD management, patenting, and technology assessment.

**Prerequisites:** ECO 201.

**Notes:** Same as ECO 312.

**ENT 315 The Economics of Entrepreneurship 3**

Study of entrepreneurship from history of economic thought perspective and application of such concepts to economic agents. Emphasis on economic thought, market activity, and economic growth.

**Prerequisites:** ECO 201.

**Notes:** Same as ECO 315.

**ENT 321 Design Thinking and/or Entrepreneurial Thinking 3**

Theories and applications of design thinking and entrepreneurial thinking will be explored. Students interested in innovation and creativity with application ranging from regional to global in practice will benefit.

**Notes:** Same as IAR 321.

**ENT 324 Professional Selling 3**

Professional selling provides students with the knowledge and skill sets needed to give them the ability to make effective sales presentations to businesses or consumers, including direct selling.

**Notes:** Same as MKT 324.

**ENT 327 Writing for Professionals and Entrepreneurs 3**

Principles of written communication emphasizing clarity, precision, audience analysis, arrangement, and collaboration applied to a variety of professional and entrepreneurial writing tasks and workplace settings; includes elements of summaries, reports, and proposals.

**Prerequisites:** General Education Reasoning and Discourse requirement (GRD) must already have been met.

**Notes:** May be repeated for credit. Same as ENG 327.

**ENT 328 Sales Leadership 3**

Problems in selling, direct selling, and sales management are dealt with from the strategic marketing perspective. The sales management process is addressed from the perspective of the profit-maximizing allocation of resources of the firm. Students in this class analyze cases in direct selling and evaluate optimal ways to build a strong direct selling team.

**Prerequisites:** Sophomore standing.

**Notes:** Same as MKT 328.

**ENT 335 Entrepreneurial Finance 3**

This course focuses on financial analysis, financial forecasting, financing, capital costs, and working capital management of start-up businesses and existing businesses in the early stages of development.

**Prerequisites:** FIN 315.

**Notes:** Same as FIN 335.

**ENT 336 Opportunities to Action: Business Plan 3**

Provides the knowledge and skills to develop a feasibility plan into a business plan for a new venture, which culminates in a business plan competition.

**Prerequisites:** BUS 300 or ENT 300.

**Notes:** Same as BUS 336.

**ENT 337 Family Business 3**

Overview of family business, including what is required for family harmony and business continuity.

**Notes:** Same as BUS 337.

**ENT 338 Global Franchising 3**

This course introduces the student to opportunities in franchising including becoming a franchisee or franchisor.

**Prerequisites:** ACC 201 or ENT 200/FIN 200.

**Notes:** Same as BUS 338, HTM 338.

**ENT 339 Entrepreneurial Leadership 3**

Leadership theories, skills, and practices necessary for effectiveness in varied entrepreneurial settings, including private businesses, corporations, not-for-profit organizations, and social movements.

**Notes:** Same as BUS 339.

**ENT 340 Social Entrepreneurship 3**

Introduction to social entrepreneurship including identification of social problems and how they are solved through innovation, community impact, sustainability, ethical, scalable, economic value creation, and risk-taking efforts.

**Notes:** Same as BUS 340.

**ENT 342 International Entrepreneurship 3**

Creation and management of business ventures with international dimensions are examined, and economic and formal/informal institutions affecting entrepreneurship are discussed.

**Notes:** Same as BUS 342.

**ENT 354 Restaurant Entrepreneurship 3**

Students will explore the role of entrepreneurship in the hospitality and tourism industry, determine risks and rewards of self-employment, and develop business concepts based on the hospitality and/or tourism skill set.

**Prerequisites:** Junior or senior standing.

**Notes:** Same as HTM 364.

**ENT 376 Micro-Enterprise for Creatives 3**

Introduces foundational skills for micro-enterprise in the arts and creative industries aimed towards, but not exclusive to, visual artists, designers, and creative makers. Topics include venture analysis, business modeling, prototyping, financial/legal/structures, and market testing.

**Notes:** Same as AAD 376.

**ENT 387 Entrepreneurship in American History 3**

This course will examine entrepreneurs who shaped the contours of the American economy from the first transatlantic trade routes to the World Wide Web. We utilize entrepreneurship to analyze the development of American capitalism from a string of coastal colonies to an economic world power.

**Prerequisites:** None.

**Notes:** Same as ECO 387, BLS 387.

**ENT 394 Advanced Studio Practicum: Art and Entrepreneurship 3**

Development and operation of student-run art studio offering services ranging from graphic design and photography to painting and sculpture. Emphasis on developing professional and entrepreneurial skills.

**Prerequisites:** Junior or senior standing.

**Notes:** Grade: Pass/Not Pass (P/NP). May be repeated once. Same as ART 394.

**ENT 396 Transition Planning and School-Based Entrepreneurship 3**

This course will provide a background in transition planning for students with disabilities. Emphasis is placed on career development and transition services and entrepreneurial efforts in schools and communities.

**Prerequisites:** Junior standing.

**Notes:** Same as SES 396.

**ENT 402 Entrepreneurship in the Performing Arts 3**

Focus on entrepreneurship knowledge, skills and career development in the performing arts.

**Prerequisites:** Junior or senior standing.

**Notes:** Same as VPA 402, MUP 402.

**ENT 403 Entrepreneurial Marketing 3**

Focuses on marketing strategy, planning, and tactics for entrepreneurial firms. Addresses general marketing and selling issues – including direct selling – and specific "real world" marketing problems. Student teams will work with on a specific start-up case and develop a marketing plan for that firm.

**Notes:** Same as MKT 403.

**ENT 410 Sustainable Urban Planning in an Entrepreneurial Environment 3**

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

**Notes:** Same as GES 402.

**ENT 411 Silver Industries 3**

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

**Notes:** Same as GRO 511.

**ENT 422 Fundamentals of Marketing Research 3**

Conceptual foundation of qualitative and quantitative marketing research, sampling theory, experimental design, and psychological scaling techniques, along with analytic skills using user-friendly data analysis software. Case analysis as well. Student develops application abilities through assignments and a course project.

**Prerequisites:** ECO 250, grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, or MKTG;

**Notes:** Same as MKT 422.

**ENT 427 Personal Selling Internship 3**

Minimum of 100 hours planned work experience in an organization with a personal sales force. Instructor will provide placement or must approve placement in advance.

**Prerequisites:** Permission of Instructor.

**Notes:** Same as MKT 427. Grade: Pass/Not Pass (P/NP).

**ENT 430 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Prerequisites:** Junior, senior, or graduate standing.

**Notes:** Same as GES 430, LIS 430, MKT 430.

**ENT 435 Entrepreneurship and Independent Press Publishing 3**

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

**Prerequisites:** Permission of instructor.

**Notes:** Same as ENG 435.

**ENT 440 Experiences in Sustainable Entrepreneurship 3**

Interdisciplinary engagement of sustainable entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

**Prerequisites:** Junior standing.

**Notes:** Same as BUS 440, PCS 440, WGS 440.

**ENT 450 Directed Business Practice 3**

Planned work experience approved in advance by instructor. This is a web-based course that requires regularly scheduled work in an organization that sponsors your internship. In addition, the course requires reading, writing, and skill practice assignments.

**Prerequisites:** Junior standing and written permission of the instructor.

**Notes:** Open to all majors. Same as BUS 450.

**ENT 451 Service Management 3**

Integration of service systems management, human behavior, and marketing in the creation, delivery, and assurance of service quality and customer service.

**Notes:** Same as HTM 451.

**ENT 455 Arts and Entrepreneurship: Career Strategies for Artists 3**

Overview of professional performing arts career management tools. Students learn the basics of applying entrepreneurship skills and strategies to starting and sustaining an arts-related business.

**Prerequisites:** ARAD, DANC, DRAM, MEDU, MUSI, or PRFM major. or permission of instructor;

**Notes:** Same as DCE 455.

**ENT 473 Wine Appreciation for the Business Professional 3**

Introduction to the wine industry. Topics include pairing of wine and food in hospitality venues, history, geography, economics, health, and legal issues associated with wine.

**Notes:** Same as HTM 474. Must be 21 years old or older.

**ENT 486 Theatre Management and Entrepreneurship 3**

Learn how to develop and manage a theatre in the twenty-first century. This class provides fundamental knowledge and critical thinking skills to prepare students for a career in Theatre Management. Students will actively engage with the most relevant challenges faced by leaders in contemporary Theatre/Entrepreneurship.

**Notes:** Same as THR 486.

**ENT 493 Honors Work in Entrepreneurship 3**

Paper or project in one of the seven profiles in Entrepreneurship; may be in conjunction with the North Carolina Entrepreneurship Center.

**Prerequisites:** Permission of instructor, 3.30 GPA in the major, 12 s.h. in the major.

**ENT 498 Internship in Arts Administration and Entrepreneurship 3**

Supervised work experience pre-approved that requires regularly scheduled hours in an entrepreneurial arts organization. The course meets online throughout the semester and requires reading, writing, and oral communication assignments.

**Prerequisites:** Grade of C or better in AAD 301 and permission of instructor.

**Notes:** Same as AAD 498. May be repeated once for credit.

**ENT 499 Selected Topics in Entrepreneurship 1-3**

Study of topics of common interest to those interested in entrepreneurship. Group discussion and study rather than independent study emphasized. Generally non-recurring topics studied.

**Prerequisites:** Junior standing; permission of instructor;

**Notes:** May be repeated for credit if the topic of study changes. Same as BUS 499.

**ENT 511 Silver Industries 3**

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

**Notes:** Same as GRO 511.

**ENT 516 Entrepreneurship in Clinical Settings 3**

Designed to teach students how to effectively build and implement a successful business model for the design and delivery of clinical practices, or related services.

**Notes:** Same as CED 516.

**ENT 535 Entrepreneurship and Independent Press Publishing 3**

Exploration, analysis, and participation in independent press publishing from inception to final product while practicing the entrepreneurial strategies needed to begin a successful venture.

**Prerequisites:** Permission of instructor.

**Notes:** Same as ENG 535.

**ENT 606 International Entrepreneurship 3**

This course is for students interested in starting, joining, or expanding international ventures. It examines dimensions affecting entrepreneurship, including modes of entry (direct selling, franchising, internet), economic, and formal/informal institutions.

**Notes:** Same as BUS 606.

**ENT 609 Franchising 3**

Develop knowledge and skills needed to succeed as a franchisee, franchisor, or franchise executive, including understanding the Franchise Disclosure Document and the role of entrepreneurship in franchising.

**ENT 610 Sustainable Urban Planning in an Entrepreneurial Environment 3**

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

**Notes:** Same as GES 602.

**ENT 615 Entrepreneurship for the Sciences 3**

Develop knowledge and skills in entrepreneurship to identify and evaluate science and technology ideas in chemistry and the life sciences as opportunities to take through the feasibility and business plan.

**Notes:** Same as CHE 615.

**ENT 616 Entrepreneurship in Clinical Settings 2**

Designed to teach students how to effectively build and implement a successful business model (e.g. private practice) for the design and delivery of clinical practices, or related services.

**ENT 630 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Notes:** Same as GES 630, LIS 530, MKT 530.

**ENT 640 Experiences in Sustainable Entrepreneurship 3**

Interdisciplinary course in sustainable entrepreneurship. Exploration of models for designing and implementing entrepreneurial projects which respond to social, economic, environmental, and justice issues. Introduction to direct action and evaluation.

**Notes:** Same as BUS 640, WGS 640.

**ENT 661 Entrepreneurial Career Development in Music 3**

Focus on the entrepreneurship knowledge, skills, and career development to enable students to become the architect of his/her future.

**Notes:** Same as MUP 661.

**ENT 672 App Design and Programming 3**

Apply fundamental programming concepts in designing and implementing applications for the web. This course provides students the necessary foundations for developing web applications and evaluating entrepreneurial opportunities.

**Notes:** Same as ISM 672.

**ENT 677 Entrepreneurship Opportunities in Healthy Aging 3**

Examination of entrepreneurship opportunities related to the aging population, with specific attention to products and services that extend the healthy lifespan. Includes development of Business Opportunity Analysis.

**Notes:** Same as GRO 677.

**ENT 701 Promoting and Protecting Health through Entrepreneurship 3**

Introduction to Federal Small Business Research grant mechanisms for entrepreneurial research. Preparation of a grant proposal for submission to NIH, CDC, or Department of Education.

**Notes:** Same as HEA 701.

**ENT 803 Research Extension 1-3**

Research Extension.

## Finance (FIN)

**FIN 200 Introduction to Entrepreneurial Finance 3**

Introduction to problems and methods in business finance within the context of entrepreneurial ventures. Topics include business formation, sources of financing, financial statements, business valuation, budgeting, and measuring financial performance.

**Prerequisites:** Entrepreneurship minor for non-business students.

**Notes:** Students may not receive credit for ENT 200, FIN 200, and FIN 315. Same as ENT 200.

**FIN 300 The Management of Personal Finance 3**

Personal budgeting and accounting; borrowing money; buying on credit; personal income tax returns; saving and wise investment of savings; insurance; home ownership.

**FIN 315 Business Finance I 3**

Recognition and analysis of financial problems. Integrated approach to financial management emphasizing basic concepts of valuation, investment, and financial structure.

**Prerequisites:** ACC 201 or ACC 218, ECO 201, ECO 202; major in ACCT, BADM, CARS, ECOS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**FIN 330 Financial Institutions and Markets 3**

Principal institutions and markets comprising the financial system; their roles in short-term, long-term and equity financing, interest rate determination and capital formation. Interrelationships between domestic and international and financial markets. Government policy objectives and regulations as influences on the financial system.

**Prerequisites:** Grade of C or better in FIN 315.

**FIN 335 Entrepreneurial Finance 3**

This course focuses on financial analysis, financial forecasting, financing, capital costs, and working capital management of start-up businesses and existing businesses in the early stages of development.

**Prerequisites:** FIN 315.

**Notes:** Same as ENT 335.

**FIN 360 Internship in Finance 3**

Provides students with an opportunity to apply finance knowledge in a business environment and to gain a better understanding of the finance profession.

**Prerequisites:** Grade of C or better in FIN 315. Finance major; permission of internship coordinator.

**FIN 410 Business Finance II 3**

Theory and practical application of capital budgeting, cost of capital and capital structure analysis, working capital management, and financial analysis and planning.

**Prerequisites:** Grade of C or better in ACC 201 or ACC 218. ECO 250; and a grade of C or better in FIN 315.

**FIN 442 Investments 3**

Investment principles and practices, investment policies, security analysis, and the mechanics and mathematics of security purchases. Long- and short-term fluctuations of security prices, functions of securities markets and regulatory bodies, and individual investment needs.

**Prerequisites:** Grade of C or better in FIN 315.

**FIN 449 Seminar in Finance 3**

Independent study, research, and class discussion covering a topic or group of related topics of current interest in financial theory, policy, or practice. Topics may vary each semester.

**Prerequisites:** Grade of C or better in FIN 410.

**FIN 450 Fundamentals of Futures, Options and Behavioral Finance 3**

This course is an introduction to the trading and application of options and futures related to commodity, stock and fixed income products in the financial market. It also introduces the bias and psychology patterns investors demonstrate in their trading.

**Prerequisites:** Grade of C or better in FIN 315.

**FIN 493 Honors Work 3-6**

**Prerequisite:** Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**FIN 499 Problems in Finance 3**

Independent study, research, and class discussion covering a topic or group of related topics of current interest in theory or policy of finance. Topics may vary from semester to semester.

**Prerequisites:** Senior majors. permission of Department Head; grade of C or better in FIN 315;

**Notes:** May be repeated for credit with approval of Department Head.

# First Year Experience (FYE)

**FYE 101 Succeed at the G: Topics 3**

This course helps new students transition successfully to academic and student life. Students connect with the UNCG community, campus resources and opportunities, while developing skills essential for academic success, and beginning their journey to discovering their own purpose and potential. Topics addressed supplement discipline content, major, and professional progression.

**MAC:** MAC Foundations

**Prerequisites:** Written permission - All students will be pre-enrolled in the course.

**Notes:** FYE 101 is for new students only. Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**FYE 201 Lead at the G 3**

This course is designed to help student leaders develop the leadership skills needed to foster academic success and serve as effective peer mentors for new students in transition. Student leaders will learn about key resources and explore topics related to student development theory, leadership theory, pedagogy, and personal development.

**Prerequisites:** Written Permission.

**Notes:** All students will be pre-enrolled in the course. Grade: Pass/Not Pass (P/NP).

# Foundations for Learning (FFL)

**FFL 200 The Sophomore Experience 1**

This course equips sophomores with essential competencies for academic and personal success including development of personal strengths, exploration of majors and careers, critical thinking, academic skills, and using campus resources.

**FFL 225 Special Topics in Social Movements 3**

Examines principles and definitions of social justice through the focused study of specific social movements.

**Prerequisites:** UNCG students with 12 or more semester hours.

**Notes:** May be repeated twice for credit.

**FFL 250 Enhancing the Transfer and Adult Student Experience 2**

Engages transfer and adult students in an exploration of resources, skills, and competencies essential to academic success at UNCG, while also examining the role of higher education in achieving personal, academic, and career goals.

# French (FRE)

**FRE 101 Beginning French I 3**

Introduction to the French language and the cultures of the French-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**FRE 102 Beginning French II 3**

Continued study of the French language and the cultures of the French-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** FRE 101 or met this level by the placement test.

**Notes:** Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**FRE 203 Intermediate French I 3**

Intermediate-level study of the French language and cultures of the French-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** FRE 102 or equivalent or met this level by the placement test.

**Notes:** Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**FRE 204 Intermediate French II 3**

Continued study of the French language and cultures of the French-speaking world at the intermediate level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** FRE 203 or equivalent or met this level by the placement test.

**Notes:** Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course. Students may not receive credit for both FRE 204 and FRE 241.

**FRE 210 Intermediate French Conversation 1**

Designed for students who wish to improve their oral proficiency in French. Topics of current interest as presented by various French media (radio, TV, newspaper/magazine reports).

**Prerequisites:** FRE 204/FRE 241 or equivalent, or departmental permission.

**Notes:** Grade: Pass/Not Pass (P/NP). May be repeated for credit up to 2 s.h.

**FRE 222 Explorations in French Literature: English Versions 3**

The best of French literature read and discussed in English. Topics vary, each taking a broad perspective on an important theme, genre, or period.

**CIC:** CIC College Writing

**Notes:** May not be used for credit toward French major or minor.

**FRE 232 Images of France and the Francophone World 3**

A study in English of French and Francophone civilizations and cultures and their impact on modern Western culture. Emphasis on understanding present-day issues and evaluating stereotypical images.

**MAC:** MAC Global and Intercultural

**Notes:** May not be used for credit toward French major or minor.

**FRE 241 Intermediate French: Culture and Business 3**

Further study of intermediate-level French focusing on topics and vocabulary pertaining to the culture and business practices of present-day France. Emphasis on active speaking, reading, writing, and grammar.

**MAC:** MAC Global and Intercultural

**Prerequisites:** FRE 203 or equivalent or met this level by the placement test.

**Notes:** Students with previous knowledge of French are required to take the placement test. Students who are native or heritage speakers of French MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course. Students may not receive credit for both FRE 204 and FRE 241.

**FRE 301 Bridges to French Literature and Culture 3**

An opportunity to increase proficiency in oral and written language skills while extending knowledge of French literature and contemporary French culture. A bridge to advanced work in all areas.

**CIC:** CIC College Writing

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission;

**Notes:** May not be taken for credit by students who have successfully completed FRE 315 or above.

**FRE 303 Francophone Cultures: An Introduction 3**

An introduction to the Francophone cultures and literatures with focus on North Africa, sub-Saharan Africa, the Caribbean, and Quebec. Includes review of grammatical structures and development of language skills.

**Prerequisites:** FRE 204 or FRE 241, or permission of instructor .

**FRE 311 French Conversation and Phonetics 3**

Training in spoken French and phonetics.

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission.

**FRE 312 French Conversation and Culture 3**

Training in spoken French in the context of French culture.

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission.

**FRE 313 Conversation in France 3**

Intensive formal and informal training in French conversation in a living French setting.

**FRE 315 Advanced Grammar and Composition: From Morphology to Meaning 3**

An in-depth study of the rules of the French language from the form and function of words to their combination into meaningful statements, essays, and stories.

**CIC:** CIC College Writing

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission.

**FRE 331 Culture and Civilization in France 3**

Study of French culture and civilization in France.

**FRE 332 Contemporary French Culture 3**

An introduction to contemporary French thought and cultural practices with a focus on social, cultural, political, and economic components of France.

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission.

**FRE 341 Business French 3**

French used in various types of business, with practice in writing and speaking. Readings on economic aspects of the French-speaking world.

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission .

**FRE 353 Survey of French Literature 3**

French literature from Middle Ages through the twentieth century.

**CIC:** CIC College Writing

**Prerequisites:** FRE 204 or FRE 241 or equivalent, or departmental permission.

**FRE 407 Teaching French through French Literature 3**

Strategies for teaching the French language through its literature. All major genres represented.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** For upper-level majors and graduate students who plan to teach French.

**FRE 410 The Theory and Practice of French Translation 3**

An exploration of the theory and practice of translation from and into French.

**Prerequisites:** FRE 315 or permission of instructor.

**FRE 415 Advanced French Composition 3**

Review of grammar and practice in informal and formal writing skills.

Emphasis on the explication de texte and the dissertation littéraires.

**CIC:** CIC College Writing

**Prerequisites:** FRE 315 or departmental permission.

**FRE 418 Studies in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** Permission of department.

**Notes:** May be repeated for credit when the topic varies. Same as FRE 463, SPA 462.

**FRE 433 French and Francophone Civilization and Culture 3**

Study of the vast heritage of French civilization. Discovery of the historical, geographical, sociological, political, cultural, and artistic life of France and the Francophone world.

**Prerequisites:** FRE 331, FRE 332, or FRE 496, or permission of instructor.

**FRE 450 Topics in French Literary Movements 3**

In-depth study of a major literary trend: mannerism, classicism, realism, naturalism, and others.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic varies.

**FRE 451 Topics in French Prose Fiction 3**

Studies in prose fiction—roman, conte, nouvelle, etc.—through a variety of critical and historical approaches, each topic focusing on one such approach.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic varies.

**FRE 455 Topics in French and Francophone Literature and Film 3**

Advanced-level studies of a theme in French and/or Francophone literature and/or film that transcends the traditional period divisions. Taught in French.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic changes.

**FRE 456 Topics in French Theatre 3**

Studies in French theatre through a variety of critical and historical approaches.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic varies.

**FRE 457 Advanced Topics in French Literature 3**

Nontraditional perspectives on literature in the French language: thematic topics, and others.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic varies.

**FRE 458 Topics in Francophone Literature 3**

Studies in Francophone literature through a variety of aspects or genres, each topic focusing on one such aspect or genre.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic varies.

**FRE 459 Topics in French Poetry 3**

Studies in French poetry through a variety of critical and historical approaches.

**Prerequisites:** FRE 353 or departmental permission.

**Notes:** May be repeated for credit when topic varies.

**FRE 463 Studies in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** Permission of department.

**Notes:** May be repeated for credit when topic varies. Same as ITA 418, SPA 462.

**FRE 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**FRE 496 Directed Study in French and Francophone Civilization and Culture 3**

Directed study and research in French and Francophone civilization and culture.

**Prerequisites:** Departmental permission required.

**Notes:** May be repeated for credit when topic varies.

**FRE 497 Directed Study in French Language 3**

Directed study and research in French language.

**Prerequisites:** Departmental permission required.

**Notes:** May be repeated for credit when topic varies.

**FRE 498 Directed Study in French and Francophone Literature 3**

Directed study and research in French and Francophone literature.

**Prerequisites:** Departmental permission required.

**Notes:** May be repeated for credit when topic varies.

**FRE 499 Community-Based Service Learning in Francophone Studies 3**

Field experience for French graduate students, French majors and minors, and advanced French undergraduates requiring interaction/active language use with Francophone immigrant families in the community.

**Prerequisites:** 15 s.h. of course work in French at the 300 level or above. minimum 3.0 GPA (overall and in major); and permission of the instructor.

**FRE 507 Teaching French through French Literature 3**

Strategies for teaching the French language through its literature. All major genres represented.

**Prerequisites:** Departmental permission.

**Notes:** For graduate students who plan to teach French.

**FRE 511 The Theory and Practice of French Translation 3**

An exploration of the theory and practice of translation from and into French.

**FRE 532 French and Francophone Civilization and Culture 3**

Study of the vast heritage of French civilization. Discovery of the historical, geographical, sociological, political, cultural, and artistic life of France and the Francophone world.

**FRE 556 Topics in French Theatre 3**

Studies in French theatre through a variety of critical and historical approaches.

**Notes:** May be repeated for credit when topic varies.

**FRE 557 Advanced Topics in French Literature 3**

Nontraditional perspectives on literature in the French language: thematic topics, and others.

**Notes:** May be repeated for credit when topic varies.

**FRE 558 Topics in Francophone Literature 3**

Studies in Francophone literature through a variety of aspects or genres, each topic focusing on one such aspect or genre.

**Notes:** May be repeated for credit when topic varies.

**FRE 562 Studies in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** Departmental permission.

**Notes:** May be repeated for credit when the topic varies. Same as SPA 562, ITA 518.

**FRE 599 Community-Based Service Learning in Francophone Studies 3**

Field experience for French graduate students requiring interaction/active language use with Francophone immigrant families in the community.

**FRE 653 Seminar in French Literature 3**

Advanced study and investigation of current scholarship on a topic of French literature.

**Notes:** May be repeated for credit when topic varies.

**FRE 693 Special Problems in French Language and Literature 3**

Problems and area of French and Francophone civilization, language, and literature.

**Notes:** May be repeated for credit when topic varies, but no more than two (2) FRE 693 courses may be applied toward graduate credit without permission of the Director of French Graduate Study.

**FRE 695 Independent Study 3**

Directed program of reading or research in an area of special interest in French studies.

**Prerequisites:** Permission of instructor and Director of French Graduate Study.

**FRE 699 Thesis 1-6**

Individual research for the completion of a thesis.

**FRE 803 Research Extension 1-3**

Research Extension.

## Freshman Seminars Program (FMS)

**FMS 100 College Connections 1**

Introduction to learning in the College of Arts and Sciences.

**FMS 115 Freshman Seminar in Reasoning and Discourse: Written Communication 3**

Instruction and practice in deliberative, informative, and reflective writing based on the study of primary texts. Emphasis on the writing/revising process and on critical reading.

**MAC:** MAC Written Communication

**Prerequisites:** None.

**Notes:** Equivalent to ENG 101 or RCO 101. Students may not receive credit for both FMS 115 and either ENG 101 or RCO 101.

**FMS 116 Freshman Seminar in Reasoning and Discourse: Oral Communication 3**

A course focused on oral communication and research-based analysis, argument, and critical reflection.

**MAC:** MAC Oral Communication

**FMS 117 Freshman Seminar in Diversity and Equity 3**

A variable topics course that focuses on systems of oppression, structures of power, and institutions, while making connections to U.S. or global societies and examining intellectual traditions that address systems of injustice.

**MAC:** MAC Diversity and Equity

**FMS 120 Freshman Seminar in Literature 3**

A study of major selected works in literature.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** May be repeated once for credit when topic varies.

**FMS 121 Freshman Seminar in Literature-Global Perspectives 3**

Global perspectives on major works in literature.

**Notes:** May be repeated once for credit when topic varies.

**FMS 122 Freshman Seminar in Literature-Global Non-Western Perspectives 3**

Global Non-Western perspectives on major works in literature.

**Notes:** May be repeated once for credit when topic varies.

**FMS 130 Freshman Seminar in Fine Arts 3**

An introductory study of selected topics in the fine arts (which include painting, sculpture, cinema, dance, music, and theatre).

**MAC:** MAC CritThink Hum and Fine Art

**FMS 131 Freshman Seminar in Fine Arts-Global Perspectives 3**

Global perspectives on the study of selected topics in the fine arts (which include painting, sculpture, cinema, dance, music, and theatre).

**FMS 134 Freshman Seminar in Global Engagement and Intercultural Learning 3**

A variable topics course that focuses on similarities and differences across world cultures over time and emphasizes the development of global perspectives and skills to engage cross-culturally.

**MAC:** MAC Global and Intercultural

**FMS 135 Freshman Seminar in Health and Wellness 3**

A variable topics course that focuses on health and wellness, as well as information literacy.

**MAC:** MAC Health and Wellness

**FMS 140 Freshman Seminar in Philosophical, Religious, and Ethical Principles 3**

Studies of the philosophical, religious, and/or ethical traditions that have shaped societies in the past and present.

**MAC:** MAC CritThink Hum and Fine Art

**FMS 141 Freshman Seminar in Philosophical, Religious, and Ethical Principles-Global Perspectives 3**

Global perspectives on the studies of the philosophical, religious, and/or ethical traditions that have shaped societies in the past and present.

**FMS 142 Freshman Seminar in Philosophical, Religious, and Ethical Principles-Global Non-Western Perspectiv 3**

Global Non-Western perspectives on the studies of the philosophical, religious, and/or ethical traditions that have shaped societies in the past and present.

**FMS 150 Freshman Seminar in Historical Perspectives 3**

Introduction to the historical study of culture.

**MAC:** MAC CritThink Hum and Fine Art

**FMS 151 Freshman Seminar in Historical Perspectives: Premodern-Global Perspectives 3**

Global perspectives on the historical study of culture from ancient times through the Reformation.

**Notes:** May be repeated once for credit when topic varies.

**FMS 152 Freshman Seminar in Historical Perspectives: Premodern-Global Non-Western Perspectives 3**

Global Non-Western perspectives on the historical study of culture from ancient times through the Reformation.

**Notes:** May be repeated once for credit when topic varies.

**FMS 160 Freshman Seminar in Historical Perspectives: Modern 3**

Introduction to the historical study of culture from the 17th century through modern times.

**Notes:** May be repeated once for credit when topic varies.

**FMS 161 Freshman Seminar in Historical Perspectives: Modern-Global Perspectives 3**

Global perspectives on the historical study of culture from the 17th century through modern times.

**FMS 170 Freshman Seminar in Social and Behavioral Studies 3**

Introduction to the scientific study of individuals, societies, and human institutions with an emphasis on the methods and results of investigations in these areas.

**MAC:** MAC CritThink Soc and BehavSci

**Notes:** May be repeated once for credit when topic varies.

**FMS 171 Freshman Seminar in Social and Behavioral Studies-Global Perspectives 3**

Global perspectives on the scientific study of individuals, societies, and human institutions with an emphasis on the methods and results of investigations in these areas.

**Notes:** May be repeated once for credit when topic varies.

**FMS 183 Freshman Seminar in Natural Science 3**

Introduction to the study of natural science. Illustrates the nature of scientific inquiry and the formulation of hypotheses.

**MAC:** MAC CritThink Nat Sci

**FMS 184 Freshman Seminar in Life Science 3**

Introduction to the study of life science in the natural world. Illustrates the nature of scientific inquiry and the formulation of hypotheses.

**Notes:** May be repeated once for credit when topic varies.

**FMS 184L Freshman Seminar in Life Science Laboratory 1**

Laboratory work to accompany FMS 184.

**Notes:** May be repeated once for credit when topic varies.

**FMS 195 Freshman Seminar in Mathematics 3**

Introduction to selected areas of study in the mathematical sciences.

**MAC:** MAC Quantitative Reasoning

# Genetic Counseling (GEN)

**GEN 101 DNA and the Countless Ways Genetics Influence Your Daily Life 3**

DNA and genetics are everywhere. Review of the impact of genetics on sociocultural and healthcare systems. Emphasis on influence of genetics in daily life beyond a doctor's office.

**GEN 201 The Best Career You Never Heard Of: How to Think Like a Genetic Counselor 3**

Introduction to the genetic counseling profession. Emphasis on factors influencing genetic counseling sessions. Focus on skill-building applicable to healthcare encounters.

**GEN 321 Introduction to Clinical Genetics 3**

Applying molecular genetics to the impact on human development, process and disease. Introduction to clinical presentation and diagnostic management.

**Prerequisites:** BIO 392. Recommend either GEN 101 or GEN 201.

**GEN 499 Undergraduate Research in Genetic Counseling 1-3**

Genetic counseling research under the direction of a faculty member, culminating in a written report. Research will include laboratory and/or field work and/or directed readings of the literature. Times by arrangement.

**Prerequisites:** BIO 392. either GEN 101 or GEN 201; Permission of instructor; Junior or senior standing;

**Notes:** May be repeated for credit. Grade: Pass/Not Pass (P/NP).

**GEN 601 Principles of Genetic Counseling 3**

Introduction to techniques used in genetic evaluation and counseling. Issues in preconception and prenatal genetic counseling. Skill development including basic interviewing techniques, psychosocial assessment, pedigree construction, searching on-line resources.

**Prerequisites:** Enrollment in MS genetic counseling program.

**GEN 602 Principles of Genetic Counseling II 3**

Issues in genetic counseling for pediatric and adult-onset genetic disorders including cancer genetics. Skill development, including working with special populations, decision-making, elements of informed consent.

**Prerequisites:** Matriculation to second semester of MS genetic counseling program.

**GEN 610 Genetic Counseling and the Community 2**

Impact of genetic disorders on patients and families, structure and function of support groups, and role of allied health professionals in evaluation, treatment and referral of patients with genetic disorders.

**Prerequisites:** Enrollment in MS genetic counseling program.

**GEN 614 Prenatal Development: Embryology and Teratology 3**

Human embryological development with emphasis on normal and abnormal development. Issues in teratology and birth defects, clinical problems associated with birth defects and their means of prevention.

**Prerequisites:** Enrollment in MS genetic counseling program or permission of instructor.

**Notes:** Same as BIO 614.

**GEN 615 Introduction to Oncology and Genetic Counseling 1**

Principles of oncology, cancer genetics, inherited syndromes, assessment, therapies and management in cancer care. Application to genetic counseling with an emphasis on familial and inherited risks.

**GEN 618 Psychosocial Seminar 1**

Application of psychosocial aspects of genetic and genomic medicine with an emphasis on genetic counseling and the general public.

Implementation of peer-supervision for discussion of components of particularly challenging cases.

**GEN 625 Introduction to Research Methods and Genetic Counseling****Literature 2**

Introduction to literature in genetic counseling including dissection of literature for critical assessment and application in clinical and research settings. Review of research methodology for preparation to be both consumers and producers of research.

**GEN 630 Medical/Clinical Genetics I 3**

Introduction to clinical/medical genetics for genetic counseling students. Topics include clinical cytogenetics and molecular genetics, Mendelian and non-traditional inheritance, dysmorphology, genetics of common cancers.

**Prerequisites:** Enrollment in MS genetic counseling program, BIO 614, BIO 616.

**GEN 646 Advanced Clinical Genomics 2**

Advanced principles and topics in genetics, genomics and clinical care in a genetic counseling setting.

**GEN 648 Capstone Preparation Seminar 1**

Introduction to research methods for genetic counselors. Knowledge and skills basic to critical analysis, interpretation of research findings, and proposal preparation.

**Prerequisites:** Enrollment in MS genetic counseling program or permission of instructor.

**GEN 649 Independent Research Study 1**

Guided and individualized mentorship for navigation of capstone project. First course in individual capstone plan.

**GEN 650 Personalized Research Topic 1-3**

Tailored independent study to develop or expand skillset in genetic counseling research. May be used as research elective per approval of program.

**GEN 658 Molecular Diagnostics 2**

Survey of human molecular genetics and current clinical methods used for the diagnosis of human genetic disorders. Special emphasis given to the molecular principles, interpretations, and limitations of these tests.

**GEN 668 Introduction to Clinical Encounters 2**

Transition to clinical setting with integration of risk assessment. Experiential learning through simulated patient encounters, full case workups, clinical documentation and case management. Emphasis on skills used in patient care.

**GEN 698 Summer Clinical Rotations 2**

Introduction to clinical genetic counseling. Supervised observational and participatory activities, skill development.

**Prerequisites:** Matriculation to Summer Session II of MS genetic counseling program.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**GEN 701 Principles of Genetic Counseling III 3**

Issues in professional development, public policy and health care systems. Introduction to legal issues in genetic counseling. Skill development including advanced genetic counseling skills, case management and preparing educational programs.

**Prerequisites:** Matriculation to third semester of MS genetic counseling program.

**GEN 718 Clinical Rotations I 4**

Supervised clinical experiences in genetic counseling: case preparation, risk assessment and intervention, psychosocial assessment and support, identification of testing and support resources for patients, skill development.

**Prerequisites:** Matriculation to second year of MS genetic counseling program.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**GEN 719 Clinical Rotations II 4**

Supervised clinical experiences in genetic counseling: case preparation, risk assessment and intervention, psychosocial assessment and support, identification of testing and support resources for patients, skill development.

**Prerequisites:** Matriculation to second year of MS genetic counseling program.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**GEN 720 Peer Supervision in Genetic Counseling 1**

Focus on building reflective practice, with heavy emphasis on retrospective case processing and review. Collaborative processing of cases to consider influential components and integrate awareness into future cases.

**GEN 730 Medical/Clinical Genetics I 3****GEN 748 Research Project 2**

Research project in genetic counseling.

**Prerequisites:** Matriculation to third semester of the M.S. Genetic Counseling program.

**GEN 749 Research Project 3**

Research project in genetic counseling.

**Prerequisites:** Successful completion of the third semester (GEN 748) of the M.S. Genetic Counseling program. Enrollment in the fourth semester of the M.S. Genetic Counseling program.

**GEN 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**GEN 803 Research Extension 1-3**

Research Extension.

## Geography, Environment, and Sustainability (GES)

**GES 102 The Historical Geography of the Western World 3**

A study of the geographical factors which combine to form the major cultural regions of North America, Europe, and Australia-New Zealand.

**GES 103 Introduction to Earth Science 3**

Survey of basic concepts and processes integrating the nature of the earth's three primary physical systems: the solid earth and continents; the ocean basins and the oceans; and the atmosphere's weather.

**MAC:** MAC Nat Sci Data Analysis

**Corequisites:** GES 103L.

**GES 103L Earth Science Laboratory 1**

Laboratory exercises to accompany GES 103. Topics include atmospheric data analysis, topographic map interpretation, and hydrological measurements.

**Corequisites:** GES 103.

**GES 104 World Regional Geography 3**

Geographical criteria that define the major cultural and functional world regions. Emphasis on regional methods of geographical study, with applications to current world events and situations.

**MAC:** MAC Global and Intercultural

**GES 105 Introduction to Human Geography 3**

Introduction to geographical characteristics of population, political systems, settlement patterns, and cultural mosaics.

**MAC:** MAC CritThink Soc and BehavSci

**GES 108 Our Dynamic Planet 3**

The earth's atmosphere, hydrological, and tectonic systems. Includes applications to natural resources management and environmental planning. Emphasis on human interactions with Earth's physical processes.

**MAC:** MAC CritThink Nat Sci

**GES 110 Introduction to Geography 3**

Changing interaction of man and his environment and the resultant human and economic patterns in various parts of the world.

**GES 111 Physical Geology 3**

Survey of tectonic and erosional processes, mountain building, rivers, glaciers, deserts, and coastal landform development.

**MAC:** MAC Nat Sci Data Analysis

**Corequisites:** GES 111L.

**GES 111L Physical Geology Laboratory 1**

Laboratory demonstrations and map interpretation exercises to accompany GES 111, which must be taken concurrently.

**Corequisites:** GES 111.

**GES 121 Introduction to Geographic Information Science 3**

Introduction to the fundamental concepts of geographical information science (geographic data acquisition, representation, analysis, and interpretation). Technologies reviewed include topographic mapping, global positioning systems, aerial photography, and satellite remote sensing.

**MAC:** MAC Nat Sci Data Analysis

**Corequisites:** GES 121L.

**GES 121L Intro to Geographic Information Science Laboratory 1**

Introduction to the fundamental concepts of geographic information science (geographic data acquisition, representation, analysis, and interpretation). Technologies reviewed include topographic mapping, global positioning systems, aerial photography, and satellite remote sensing.

**Corequisites:** GES 121.

**GES 162 Introduction to Sustainability 3**

Survey of sustainability from four perspectives; environment, economy, social equity, and aesthetics. Local, global, ethical, and experiential dimensions help prepare students to apply sustainability in a variety of contexts.

**GES 163 North Carolina Environments 3**

This interdisciplinary course provides a mountains-to-sea approach to places and people in North Carolina. Students address problem solving with UNCG as a living laboratory for environmental and sustainability issues.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**GES 164 Introduction to Environment 3**

Interdisciplinary survey of environmental issues. Emphasis on sciences (biology, chemistry, ecology, geography). Also includes perspectives from social sciences (anthropology, economics, politics, sociology) and humanities (arts, history, literature, philosophy, religion).

**GES 205 Environmental Change: Its Nature and Impact 3**

Environmental changes related to human use of land, water, soils, minerals, and natural amenities. Planning for sustained use or preservation of land-based natural resources.

**GES 260 Sustainable Campus Operations 3**

Study of facilities operations for universities and similar organizations, emphasizing sustainable infrastructure and institutional change. Focus on professional development, applied knowledge, and experiential learning.

**Prerequisites:** Either GES 162, GES 163, or GES 164, or permission of instructor.

**GES 270 Environment and Experience 3**

Consideration of an environment or place emphasizing sustainability and experiential learning. Involves readings/lectures on ecological, economic, social, and aesthetic aspects; field work and/or travel; and reflective, synthetic, and/or research writing.

**Prerequisites:** Either GES 162, GES 163, or GES 164, or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 s.h. of credit in the major.

**GES 301 Cities of the World 3**

Urbanization processes and the development of mega-cities and urban hierarchies emphasizing the differences between cities from across the world.

**GES 302 Urban Geography: Sustainable Land Use 3**

An introduction to theories of urban process and urban land-use change. Emphasis on basic forces acting on land-use patterns in American cities and neighborhoods to understand new processes, new problems, and new opportunities for urban sustainability.

**GES 303 World Population Problems 3**

Major world population problems, trends, and significant policy and action alternatives for the future. Impact of various geographical factors on problems and trends.

**GES 304 Sustainable Transport and Mobility 3**

Transportation systems as they affect urban and economic growth patterns, accessibility and mobility, and the environment. Emphasis will be given to the future of sustainable accessibility and mobility.

**GES 305 Environmental Hazards Assessment 3**

Nature and geographical distribution of short-lived environmental hazards including earthquakes, hurricanes, floods, volcanic eruptions, and landslides. Factors contributing to increased hazard potential. Alternative human responses to short-lived hazards.

**CIC:** CIC College Writing

**Prerequisites:** GES 103 or equivalent.

**GES 306 World Economic Geography 3**

Theories of economic development and industrial location; world patterns of natural resources, industry, finance, and urbanization; causes and consequences of economic change and globalization.

**CIC:** CIC College Writing

**GES 312 Geomorphology of North America 3**

A survey of the various landscape regions of the North America. Emphasis on the relationships between the geologic, erosional, and climatic processes occurring in each region.

**GES 313 Natural Resource Regions of North America 3**

Regional natural resource use and associated human interaction with the natural environment. Instruction takes place during an extended field trip across portions of North America.

**Prerequisites:** GES 103 or GES 314 and permission of instructor.

**GES 314 Physical Geography: Landscape Processes 3**

Examination of the processes responsible for the development of the earth's varied terrain characteristics. Analysis of environmental problems involving human impact on landscape and river systems.

**Prerequisites:** GES 103 or equivalent.

**Corequisites:** GES 314L.

**GES 314L Physical Geography Laboratory 1**

Laboratory demonstrations and map interpretation exercises to accompany GES 314, which must be taken concurrently.

**Corequisites:** GES 314.

**GES 315 The Geography of World Affairs 3**

Contemporary problems and issues of and between nations of the world as they have evolved in their geographical settings.

**GES 319 Weather and Climate 3**

Introduction to the nature, origin, processes, and dynamics of the atmosphere. Consideration also of human modification of the atmosphere and of climatic change.

**Prerequisites:** GES 103 or equivalent.

**Corequisites:** GES 319L.

**GES 319L Climatology Laboratory 1**

Laboratory work to accompany GES 319.

**Corequisites:** GES 319.

**GES 320 Tourism Planning and Development 3**

Geographic distribution of tourist development. Emphasis on the spatial dimension of origin-destination flows, economic geography of the travel industry, socio-economic and environmental impacts. Emphasis on tourism planning issues.

**Notes:** Same as STH 320.

**GES 322 Research Methods in Spatial Science 3**

Development of fundamental research and quantitative skills in Spatial Science. Use of the scientific method, data collection, spatial analysis, and technical writing.

**CIC:** CIC College Writing

**GES 325 Introduction to Spatial Analysis 3**

Introduction to the basic concepts of spatial analysis (space, scale, location, and spatial data and their representation) as well as elementary statistical methods and their application in geographical analysis.

**Prerequisites:** GES 103 and GES 103L.

**GES 328 The Water Planet 3**

The course focuses on interactions between water and society, including the use of water as a natural resource and the impacts of humans on water quantity and quality.

**Prerequisites:** GES 103 or GES 108.

**GES 330 Elements of Hydrology 3**

Introduction to the origin, properties, occurrence, circulation of the waters of the earth, including the application of hydrologic techniques for the evaluation of regional water budgets and problems relating to the conservation of water resources.

**CIC:** CIC College Writing

**Prerequisites:** GES 103 or GES 319 or GES 314, or permission of instructor.

**GES 331 Sustainable Tourism and Transportation 3**

Explores transportation networks utilized by the global tourism sector; their social, economic, and environmental dimensions, associated trends, associated negative impacts and resource usage and opportunities for planning sustainable transportation networks.

**Notes:** Same as HTM 335.

**GES 333 Geography of Europe 3**

Examination of human and physical characteristics of the European region. Topics include settlement patterns, landscape evolution, patterns and spatial variation of economic activity, urbanization, and political divisions.

**GES 338 Regions of Latin America 3**

Geographic distinctiveness of Latin American regions, with an emphasis upon the physical foundation, bases of past development, and recent transformation. Major consideration given to Mexico/Central America, Peru/Bolivia, and Brazil.

**GES 340 Geography of East Asia 3**

Examines dynamic economic, sociocultural, and political changes in East Asia by using geographical criteria to study physical and human resources influencing rapid modernization within an ancient framework.

**GES 344 Geography of the United States and Canada 3**

Study of the human and physical characteristics of the United States and Canada, with emphasis on the former.

**GES 357 Principles of Cartography 3**

The science of cartography with an emphasis on the use of maps as descriptive and analytical tools. Laboratory work introduces computer mapping, compilation, design, and symbolization.

**Prerequisites:** GES 121.

**GES 358 Geographic Information Systems 3**

Provides basic concepts and methods for capturing, storing, querying, analyzing, and displaying geospatial data using Geographic Information Systems (GIS).

**Prerequisites:** GES 121 or permission of instructor.

**GES 359 Remote Sensing of Environment 3**

Acquisition, analysis, and interpretation of digital and photographic imagery. Emphasis on use of satellite and aircraft imagery for classification and monitoring of the earth's physical and cultural landscape.

**CIC:** CIC College Writing

**Prerequisites:** GES 121.

**GES 366 Internship in Environment & Sustainability 3**

150 hours of supervised work in a private, nonprofit, or public environmental agency; seminars or meetings to discuss readings and internship experiences; research paper or written field project required.

**Prerequisites:** Written permission of instructor.

**Notes:** May be repeated once for credit when the internship site varies.

**GES 367 Research in Environment & Sustainability 3**

Considers various current environmental and sustainability issues in depth from interdisciplinary perspectives. Students conduct research, prepare a written report, and disseminate results.

**CIC:** CIC College Writing

**Prerequisites:** GES 162, GES 164, and junior or senior standing, or permission of instructor.

**GES 368 Individual Study in Environment & Sustainability 1-3**

Reading or research. Available to qualified students upon recommendation of supervising instructor.

**Prerequisites:** Departmental permission.

**Notes:** May be repeated for credit if the topic of study changes.

**GES 402 Sustainable Urban Planning in an Entrepreneurial Environment 3**

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

**Notes:** Same as ENT 410.

**GES 404 Political Geography 3**

A systematic overview of relationships among space, place, and politics at multiple geographic scales. Topics include boundaries, geopolitics, nationalism, resource distribution, means of controlling space, and the spatiality of globalization.

**Prerequisites:** Junior standing or permission of instructor.

**GES 405 Sustainable Regional Planning 3**

Sustainable regional development and planning processes focused on regional planning techniques and law.

**GES 415 National Parks and Protected Areas 3**

This course is devoted to the changing geography of the National Park System and related protected areas in the USA, with an emphasis on their environmental, historical and political significance.

**Prerequisites:** GES 103 or GES 105 or permission of instructor. Junior or senior.

**GES 418 Biogeography 3**

Study of the geographic distribution of organisms and the factors/processes accountable. Emphasis on the increasingly important role humans play in influencing biogeographic processes.

**Prerequisites:** GES 314 or GES 319 or BIO 301. or permission of instructor.

**GES 419 Advanced Weather and Climate-Synoptic Climatology 3**

Exploration of atmospheric dynamics and general circulation patterns throughout the world. Emphasis on cyclogenesis, surface-upper atmosphere links, tropospheric waves, vorticity, and forecasting.

**Prerequisites:** GES 319 or permission of instructor.

**GES 421 Geographic Information Science 3**

Principles and use of geographic information; emphases are on data acquisition and techniques of spatial analysis and display. Requirements include a substantial applied research project.

**Prerequisites:** GES 121, GES 357, GES 359.

**GES 430 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Prerequisites:** Junior or senior standing.

**Notes:** Same as ENT 430, LIS 430, MKT 430.

**GES 432 Geography of Livable Cities 3**

Advanced study on the processes of urban population and economic growth from the perspective of urban livability. Emphasis on accessing and interpreting data from public or private sources.

**GES 433 Regional Economic Development 3**

Theories of location of economic activity; techniques to assess impact of types of economic activity; policy and institutional issues related to local, state, and global economic development.

**GES 450 Applied Physical Geography 3**

Applications in physical geography. Topics include field experience in hydrology, dendrochronology, geomorphology, climatology, and mapping.

**Notes:** May be repeated once when topic changes.

**GES 451 Seminar in Regional Geography 3**

Case studies of regionalism and the regional method in geography.

**Notes:** May be repeated once for credit when topic changes.

**GES 455 Qualitative Methods in Human Geography 3**

Survey of common qualitative approaches to human geography research, with emphasis on real-world research applications, methods training, and thesis/capstone development.

**Prerequisites:** 75 credit hours or permission of instructor.

**GES 457 Advanced Cartography 3**

Advanced instruction in cartographic production techniques and introduction to cartographic research. Students will learn to evaluate academic literature and to implement research ideas using state-of-the-art technology.

**Prerequisites:** GES 357 or permission of instructor.

**GES 458 Advanced Geographic Information Systems 3**

Advanced concepts and methods in Geographic Information Systems (GIS). Emphasis is placed on the analysis and modeling of geospatial data using raster and vector data models.

**Prerequisites:** GES 358 or permission of instructor.

**GES 459 Advanced Remote Sensing-Imaging 3**

Remote sensing of the environment using scientific visualization and digital image processing techniques.

**Prerequisites:** GES 359 or permission of instructor.

**GES 462 Sustainability 3**

Seminar addressing sustainability in an interdisciplinary framework connecting environmental sciences, equity & society, development & economics, and ethics & aesthetics.

**Prerequisites:** GES 162 and GES 164, or permission of instructor.

**GES 464 Environment 3**

Advanced study of coupled human-environmental problems and solutions. Focus on classic cases and current topics in environmental studies.

**Prerequisites:** GES 162 and GES 164.

**GES 481 Topics in Sustainability and Environment 3**

Seminar addressing interdisciplinary topics in sustainability and environment.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 482 Topics in Ethics and Aesthetics 3**

Seminar dealing with topics in ethics and/or aesthetics as related to environmental and/or sustainability issues in an interdisciplinary framework.

**CIC:** CIC College Writing

**Prerequisites:** GES 162 and GES 164 or permission of instructor.

**Notes:** May be repeated twice for credit when topic varies.

**GES 484 Topics in Development and Economics 3**

Seminar dealing with topics in development and/or economics as related to environmental and/or sustainability issues in an interdisciplinary framework.

**CIC:** CIC College Writing

**Prerequisites:** GES 162 and GES 164 or permission of instructor.

**Notes:** May be repeated twice for credit when topic varies.

**GES 486 Topics in Equity and Society 3**

Seminar dealing with topics in equity and/or society as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 162 and GES 164 or permission of instructor.

**Notes:** May be repeated twice for credit.

**GES 488 Topics in Environmental Sciences 3**

Seminar dealing with topics in environmental sciences as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 162 and GES 164 or permission of instructor.

**Notes:** May be repeated twice for credit as topic varies.

**GES 490 Special Problems in Geography 3**

Opportunity for advanced students to undertake independent study of field research of special interest.

**Prerequisites:** Permission of faculty member with whom student wishes to work and at least 3 s.h. of previous work in geography.

**GES 491 Current Topics in Regional Geography 3**

Seminar dealing with major national and international topics in their current geographical context.

**Notes:** May be repeated for credit when topic varies.

**GES 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**GES 495 Internship in Geography 3**

Practical experience in a professional setting related to the student's main topic of interest. Includes a research paper linking the topic to the experience.

**Prerequisites:** Written permission required before registering for the internship.

**GES 601 Research Trends in Geography 1**

Overview of major research themes in geography. Student will meet faculty and other professional geographers, facilitating the development of research through field experience, colloquia, and conferences.

**Prerequisites:** Admission to graduate program in geography.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**GES 602 Sustainable Urban Planning in an Entrepreneurial Environment 3**

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

**Notes:** Same as ENT 610.

**GES 603 Understanding Geographic Information Systems 3**

Study and application of geographic information systems for professional problem-solving, spatial analysis, and mapping.

**GES 604 Political Geography 3**

A systematic overview of relationships among space, place, and politics at multiple geographic scales. Topics include boundaries, geopolitics, nationalism, resource distribution, means of controlling space, and the spatiality of globalization.

**GES 605 Sustainable Regional Planning 3**

Sustainable regional development and planning processes focused on regional planning techniques and law.

**GES 606 Environmental Planning 3**

Examination and analysis of environmental concepts and their relationship to various planning and management scenarios, including environmental issues, strategies, and plans.

**GES 607 Earth Science for Educators 5**

Study of the processes that shape Earth's lithospheric, hydrospheric, and atmospheric realms. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 608 Weather and Climate for Educators 5**

Examination of Earth's physical atmospheric processes as they apply to weather and climate systems. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 609 Hydrology for Educators 5**

Examination of Earth's water sphere, including Earth-Atmosphere interactions, and its importance as a resource. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 610 Physical Geology for Educators 5**

Study of the materials that comprise Earth, and the processes shaping its near-surface environment. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 611 Natural Hazards and Society for Educators 5**

Study of the Earth's near-surface natural hazards, with discussion of anthropogenic influences and societal consequences. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 612 Natural Resource Geography 3**

Application of geographical theory to natural resource use and distribution. Emphasis on resource use and constraints to development.

**GES 614 GIS Programming and Design Application 3**

Theory and practice in the creation of Geographic Information Systems using logic based programming and database construction tools. Emphasis on modeling of spatial information and logic-based approaches to GIS.

**Prerequisites:** GES 658.

**GES 615 National Parks and Protected Areas 3**

This course is devoted to the changing geography of the National Park System and related protected areas in the USA, with an emphasis on their environmental, historical and political significance.

**GES 618 Biogeography 3**

Study of the geographic distribution of organisms and the factors/processes accountable. Emphasis on the increasingly important role humans play in influencing biogeographic processes.

**Prerequisites:** GES 314 or GES 319 or BIO 301. or admission to graduate program in geography; or permission of instructor.

**GES 619 Advanced Weather and Climate-Synoptic Climatology 3**

Exploration of atmospheric dynamics and general circulation patterns throughout the world. Emphasis on cyclogenesis, surface-upper atmosphere links, tropospheric waves, vorticity, and forecasting.

**Prerequisites:** Admission to graduate program in Geography or permission of instructor.

**GES 620 Spatial Analysis 3**

Theory and practice in combining Geographic Information Systems software with statistical analysis software. Emphasis will be on the quantitative analysis and visual display of spatial information.

**Prerequisites:** GES 658 and STA 571 or equivalent.

**GES 621 Seminar in Geographic Information Science 3**

Research in geographic information science. Focus on current research in application of remotely sensed imagery, geographic information systems, and maps in the visualization and analysis of spatial data.

**Prerequisites:** GES 359 and GES 458 or GES 658 or permission of instructor.

**Notes:** May be repeated once for credit when topic changes.

**GES 622 GIS Applications in Urban Planning 3**

Theory and practice integrating Geographic Information Systems with land use planning practice. Emphasis on advanced analysis and display of spatial data and information in support of land use planning decision-making.

**Prerequisites:** GES 322 (or equivalent) and GES 603 or permission of instructor.

**GES 630 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Notes:** Same as ENT 630, LIS 530, MKT 530.

**GES 631 Sustainable Transportation Planning 3**

Advanced theories, models, and practices of sustainable transportation planning with an emphasis on U.S. urban transportation systems.

**Prerequisites:** GES 602 or permission of instructor.

**GES 632 Geography of Livable Cities 3**

Advanced study on the processes of urban population and economic growth from the perspective of urban livability. Emphasis on accessing and interpreting data from public or private sources.

**GES 633 Regional Economic Development 3**

Theories of location of economic activity; techniques to assess impact of types of economic activity; policy and institutional issues related to local, state, and global economic development.

**GES 634 Advanced Topics in European Geography 3**

In-depth analysis of select advanced topics related to Europe. Combines systematic and regional traditions within geography. Possible themes include European integration, immigration, urbanization and cities, cultural preservation, tourism, the environment.

**Notes:** May be repeated for credit when topic varies.

**GES 635 Geography of Asia 3**

Examines dynamic economic, sociocultural, and political changes in Asia by looking at their roots in physical and human resources influencing rapid modernization within an ancient cultural framework.

**GES 641 Earth Surface Processes and Landforms 3**

Advanced systematic study of geomorphology with applications to human responses to natural hazards and environmental management.

**Prerequisites:** GES 314/GES 314L or equivalent advanced undergraduate course in geomorphology.

**GES 650 Applied Physical Geography 3**

Applications in physical geography. Topics include field experience in hydrology, dendrochronology, geomorphology, climatology, and mapping.

**Notes:** May be repeated once when topic changes.

**GES 651 Seminar in Regional Geography 3**

Case studies of regionalism and the regional method in geography.

**Notes:** May be repeated once for credit when topic changes.

**GES 655 Qualitative Methods in Human Geography 3**

Survey of common qualitative approaches to human geography research, with emphasis on real-world research applications, methods training, and research proposal development.

**GES 657 Advanced Cartography 3**

Advanced instruction in cartographic production techniques and introduction to cartographic research. Students will learn to evaluate academic literature and to implement research ideas using state-of-the-art technology.

**Prerequisites:** GES 357 or permission of instructor.

**GES 658 Advanced Geographic Information Systems 3**

Advanced concepts and methods in Geographic Information Systems (GIS). Emphasis is placed on the analysis and modeling of geospatial data using raster and vector data models.

**Prerequisites:** GES 358 or permission of instructor.

**GES 659 Advanced Remote Sensing-Imaging 3**

Remote sensing of the environment using scientific visualization and digital image processing techniques.

**Prerequisites:** GES 359 or permission of instructor.

**GES 660 Sustainable Campus Operations 3**

Study of facilities operations for universities and similar organizations, emphasizing sustainable infrastructure and institutional change. Focus on professional development, applied knowledge, and experiential learning.

**Prerequisites:** GES 662 or permission of instructor.

**GES 662 Sustainability 3**

Foundational course addressing sustainability in an interdisciplinary framework connecting environmental sciences, equity and society, development and economics, and ethics and aesthetics.

**Prerequisites:** Permission of instructor.

**Notes:** Open to graduate students in any field of study.

**GES 664 Environment 3**

Advanced study of coupled human-environmental problems and solutions. Focus on classic cases and current topics in environmental studies.

**Prerequisites:** GES 662 or permission of instructor.

**GES 670 Environment and Experience 3**

Consideration of an environment or place emphasizing sustainability and experiential learning. Involves readings and lectures on ecological, economic, social, and aesthetic aspects; field work and/or travel; and reflective, synthetic, and/or research writing.

**Prerequisites:** GES 662 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 681 Topics in Sustainability and Environment 3**

Seminar addressing interdisciplinary topics in sustainability and environment.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 682 Topics in Ethics and Aesthetics 3**

Seminar dealing with topics in ethics and/or aesthetics as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 662 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 684 Topics in Development and Economics 3**

Seminar dealing with topics in development and/or economics as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 662 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 686 Topics in Equity and Society 3**

Seminar dealing with topics in equity and/or society as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 662 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 s.h. of credit in the major.

**GES 688 Topics in Environmental Sciences 3**

Seminar dealing with topics in environmental sciences as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 662 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 690 Research Problems in Applied Geography 3**

Independent study on a special topic of interest.

**Prerequisites:** Graduate course on the topic.

**Notes:** May be repeated for credit when topic varies.

**GES 695 Internship 1-6**

Practical experience in a professional setting related to the student's main topic of interest. Includes written paper linking the topic to the experience.

**Prerequisites:** 18 credit hours in the M.A. in Applied Geography or the M.S. in Sustainability and Environment.

**Notes:** May be repeated for a maximum of 6 credits.

**GES 697 Capstone in Sustainability and Environment 3**

Advanced research report on a sustainability and environment problem that proposes interdisciplinary solutions.

**Prerequisites:** Permission of instructor.

**GES 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**Prerequisites:** Permission of GES Thesis Committee.

**GES 700 Sustainable Urban Planning in an Entrepreneurial Environment 3**

Fundamental concepts and techniques of urban planning as it relates to enhancing overall quality of life with a primary focus on land use patterns, the environment, business and entrepreneurship.

**Notes:** Students may not receive credit for both GES 602 and GES 700.

**GES 701 History of Geographic Thought 3**

Seminar on the nature of geography and what geographers do. Focus on the history of the discipline approaches to its study, major paradigms, and application of geographic theory.

**Prerequisites:** Admission to doctoral program in geography or permission of instructor.

**GES 702 Research Design 3**

Design and execution of applied research projects as practiced by professional geographers.

**Prerequisites:** STA 571 or equivalent.

**GES 703 Understanding Geographic Information Systems 3**

Study and application of geographic information systems for professional problem-solving, spatial analysis, and mapping.

**GES 704 Political Geography 3**

A systematic overview of relationships among space, place, and politics at multiple geographic scales. Topics include boundaries, geopolitics, nationalism, resource distribution, means of controlling space, and the spatiality of globalization.

**GES 705 Regional Planning 3**

Regional development and planning processes focused on regional planning techniques and law.

**GES 706 Environmental Planning 3**

Examination and analysis of environmental concepts and their relationship to various planning and management scenarios, including environmental issues, strategies, and plans.

**GES 707 Earth Science for Educators 5**

Study of the processes that shape Earth's lithospheric, hydrospheric, and atmospheric realms. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 708 Weather and Climate for Educators 5**

Examination of Earth's physical atmospheric processes as they apply to weather and climate systems. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 709 Hydrology for Educators 5**

Examination of Earth's water sphere, including Earth-Atmosphere interactions, and its importance as a resource. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 710 Physical Geology for Educators 5**

Study of the materials that comprise Earth, and the processes shaping its near-surface environment. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**GES 712 Natural Resource Geography 3**

Application of geographical theory to natural resource use and distribution. Emphasis on resource use and constraints to development.

**GES 713 Natural Hazards and Society for Educators 5**

Study of the Earth's near-surface natural hazards, with discussion of anthropogenic influences and societal consequences. Practicum and course content are synchronized with the NC Standard Course of Study for Earth and Environmental Science.

**Notes:** Students may not receive credit for both GES 611 and GES 713.

**GES 714 GIS Programming and Design Application 3**

Theory and practice in the creation of Geographic Information Systems using logic based programming and database construction tools. Emphasis on modeling of spatial information and logic-based approaches to GIS.

**Prerequisites:** GES 758.

**GES 715 National Parks and Protected Areas 3**

This course is devoted to the changing geography of the National Park System and related protected areas in the USA, with an emphasis on their environmental, historical and political significance.

**GES 716 Spatial Analysis 3**

Theory and practice in combining Geographic Information Systems software with statistical analysis software. Emphasis will be on the quantitative analysis and visual display of spatial information.

**Prerequisites:** GES 758 and STA 571 or equivalent.

**Notes:** Students may not receive credit for both GES 620 and GES 716.

**GES 718 Biogeography 3**

Study of the geographic distribution of organisms and the factors/processes accountable. Emphasis on the increasingly important role humans play in influencing biogeographic processes.

**Prerequisites:** Admission to graduate program in Geography or permission of instructor.

**GES 719 Advanced Weather and Climate-Synoptic Climatology 3**

Exploration of atmospheric dynamics and general circulation patterns throughout the world. Emphasis on cyclogenesis, surface-upper atmosphere links, tropospheric waves, vorticity, and forecasting.

**Prerequisites:** Admission to graduate program in Geography or permission of instructor.

**GES 720 Advanced Spatial Analysis 3**

Theory and practice in spatial analysis with an emphasis on spatial statistics. Spatial pattern analysis, spatial association and interpolation, spatial data mining.

**Prerequisites:** GES 620.

**GES 721 Seminar in Geographic Information Science 3**

Research in geographic information science. Focus on current research in application of remotely sensed imagery, geographic information systems, and maps in the visualization and analysis of spatial data.

**Prerequisites:** GES 359, GES 458 or GES 758, or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**GES 722 GIS Applications in Urban Planning 3**

Theory and practice integrating Geographic Information Systems with land use planning practice. Emphasis on advanced analysis and display of spatial data and information in support of land use planning decision-making.

**Prerequisites:** GES 322 or equivalent, and GES 703, or permission of instructor.

**GES 730 Seminar in Earth Science/Natural Resources 3**

Directed readings and research proposal development on selected aspects of natural resource policy and management from the perspective of earth science.

**Prerequisites:** GES 612 or GES 641 or permission of instructor.

**Notes:** May be repeated once for credit when topic changes.

**GES 731 Transportation Planning 3**

Theory and practice of transportation planning with an emphasis on urban transportation systems.

**Prerequisites:** GES 700 or permission of instructor.

**GES 732 Geography of Livable Cities 3**

Advanced study on the processes of urban population and economic growth from the perspective of urban livability. Emphasis on accessing and interpreting data from public or private sources.

**GES 733 Regional Economic Development 3**

Theories of location of economic activity. Techniques to assess impact of types of economic activity. Policy and institutional issues related to local, state, and global economic development.

**GES 734 Advanced Topics in European Geography 3**

In-depth analysis of select advanced topics related to Europe. Combines systematic and regional traditions within geography. Possible themes include European integration, immigration, urbanization and cities, cultural preservation, tourism, the environment.

**Notes:** May be repeated for credit when topic varies.

**GES 735 Geography of Asia 3**

Examines dynamic economic, sociocultural, and political changes in Asia by looking at their roots in physical and human resources influencing rapid modernization within an ancient cultural framework.

**GES 740 Seminar in Urban Planning/Economic Development 3**

Directed readings on selected aspects of urban planning/economic development focused on theory and policy issues from a geographic perspective.

**Prerequisites:** GES 602 or GES 633 or permission of instructor.

**Notes:** May be repeated once for credit when topic changes.

**GES 741 Seminar in Regional Economic Development 3**

A geographic perspective is applied to analysis of regional economic performance and change in the developed and developing world. Theory is integrated with strategies for development policy and planning.

**Prerequisites:** GES 633 or permission of instructor.

**GES 742 Earth Surface Processes and Landforms 3**

Advanced systematic study of geomorphology with applications to human responses to natural hazards and environmental management.

**Prerequisites:** GES 314 and GES 314L or equivalent advanced undergraduate course in geomorphology.

**Notes:** Students may not receive credit for both GES 641 and GES 742.

**GES 750 Applied Physical Geography 3**

Applications in physical geography. Topics include field experience in hydrology, dendrochronology, geomorphology, climatology, and mapping.

**Notes:** May be repeated once when topic varies.

**GES 751 Seminar in Regional Geography 3**

Case studies of regionalism and the regional method in geography.

**Notes:** May be repeated once for credit when topic changes.

**GES 757 Advanced Cartography 3**

Advanced instruction in cartographic production techniques and introduction to cartographic research. Students will learn to evaluate academic literature and to implement research ideas using state-of-the-art technology.

**Prerequisites:** GES 357 or permission of instructor.

**GES 758 Advanced Geographic Information Systems 3**

Advanced concepts and methods in Geographic Information Systems (GIS). Emphasis is placed on the analysis and modeling of geospatial data using raster and vector data models.

**Prerequisites:** GES 358 or permission of instructor.

**GES 759 Advanced Remote Sensing-Imaging 3**

Remote sensing of the environment using scientific visualization and digital image processing techniques.

**Prerequisites:** GES 359 or permission of instructor.

**GES 760 Sustainable Campus Operations 3**

Study of facilities operations for universities and similar organizations, emphasizing sustainable infrastructure and institutional change. Focus on professional development, applied knowledge, and experiential learning.

**Prerequisites:** GES 762 or permission of instructor.

**GES 762 Sustainability 3**

Seminar addressing sustainability in an interdisciplinary framework connecting environmental sciences, equity and society, development and economics, and ethics and aesthetics.

**Prerequisites:** Permission of instructor.

**Notes:** Open to graduate students in any field of study.

**GES 764 Environment 3**

Advanced study of coupled human-environmental problems and solutions. Focus on classic cases and current topics in environmental studies.

**GES 771 Doctoral Seminar in Geographic Information Science 3**

Advanced seminar in the theory, practice, and technical aspects of Geographic Information Science.

**Notes:** May be repeated once for credit when topic changes.

**GES 782 Topics in Ethics and Aesthetics 3**

Seminar dealing with topics in ethics and/or aesthetics as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 662 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 784 Topics in Development and Economics 3**

Seminar dealing with topics in development and/or economics as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 762 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 786 Topics in Equity and Society 3**

Seminar dealing with topics in equity and/or society as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 762 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 788 Topics in Environmental Sciences 3**

Seminar dealing with topics in environmental sciences as related to environmental and/or sustainability issues in an interdisciplinary framework.

**Prerequisites:** GES 762 or permission of instructor.

**Notes:** May be repeated when the topic varies for up to 9 credits in the major.

**GES 790 Independent Geographic Research 3**

Independent study on topic of interest in theoretical geography.

**Prerequisites:** Graduate course in topic.

**Notes:** May be repeated for up to 6 credit hours.

**GES 799 Doctoral Dissertation Research 1-21**

Individual direction in the development and execution of a doctoral dissertation.

**Prerequisites:** Completion of all PhD course requirements and examinations.

**Notes:** Required of all PhD in geography candidates. May be taken in two or more semesters.

**GES 801 Thesis Extension 1-3**

Thesis Extension.

**GES 802 Dissertation Extension 1-3**

Dissertation Extension.

**GES 803 Research Extension 1-3**

Research Extension.

## **Geospatial Analytics (IAG)**

**IAG 620 Understanding Geographic Information Systems 3**

Study and application of geographic information systems for professional problem-solving, spatial analysis, and mapping.

**IAG 621 Advanced Cartography 3**

Advanced instruction in cartographic production techniques and introduction to cartographic research. Students will learn to evaluate academic literature and to implement research ideas using state-of-the-art technology.

**IAG 622 GIS Applications in Urban Planning 3**

Theory and practice integrating Geographic Information Systems with land use planning practice. Emphasis on advanced analysis and display of spatial data and information in support of land use planning decision-making.

**IAG 623 Advanced Geographic Information Systems 3**

Advanced concepts and methods in Geographic Information Systems (GIS). Emphasis is placed on the analysis and modeling of geospatial data using raster and vector data models.

**IAG 624 Advanced Remote Sensing-Imaging 3**

Remote sensing of the environment using scientific visualization and digital image processing techniques.

**IAG 625 Spatial Analysis 3**

Theory and practice in combining Geographic Information Systems software with statistical analysis software. Emphasis will be on the quantitative analysis and visual display of spatial information.

**IAG 626 GIS Programming and Design Application 3**

Theory and practice in the creation of Geographic Information Systems using logic-based programming and database construction tools. Emphasis on modeling of spatial information and logic-based approaches to GIS.

**IAG 689 Capstone Project in Geospatial Analytics 3**

Capstone course. Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor.

## **German (GER)**

**GER 101 Beginning German I 3**

First course in the introductory-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**GER 102 Beginning German II 3**

Second course in the introductory-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** GER 101 or met this level by the placement test.

**Notes:** Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**GER 203 Intermediate German 3**

First course in the intermediate-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**Prerequisites:** GER 102 or equivalent or met this level by the placement test.

**Notes:** Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**GER 204 Intermediate German Topics 3**

Second course in the intermediate-level study of the German language and the cultures of the German-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**Prerequisites:** GER 203 or equivalent.

**Notes:** Students with previous knowledge of German are required to take the placement test. Students who are native or heritage speakers of German MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**GER 217 German Texts That Changed the World I - Read in English 3**

Discussions and readings in English translation of some of the best works of German literature. 217—the Middle Ages, Baroque and Classical Periods, Romanticism, Realism. 218—Selected literary prose and poetry from the Bismarck era to the present.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**GER 218 German Texts That Changed the World II - Read in English 3**

Discussions and readings in English translation of some of the best works of German literature. 217—the Middle Ages, Baroque and Classical Periods, Romanticism, Realism. 218—Selected literary prose and poetry from the Bismarck era to the present.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**GER 221 Sagas, Legends, Fairy Tales: Readings in English 3**

Taught in translation. Myths of Northern Europe, their main personages and events as preserved in the heroic sagas and epics, traces of these myths in later literature, in folklore and art, history of their revival in the nineteenth century (Brothers Grimm, Richard Wagner), the variety of interpretations given to them.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**GER 222 The Holocaust in Literature and Art 3**

Interdisciplinary course exploring the history and legacy of the Holocaust in memoir literature, prose, poetry, art, and film. Taught in English or 300-level German.

**MAC:** MAC Global and Intercultural

**GER 301 German Conversation and Composition: Topics 3**

For students desiring proficiency in spoken and written German. Conversation and composition based on various announced cultural topics.

**CIC:** CIC College Writing

**GER 302 German Language and Society: Topics 3**

For students desiring proficiency in written German, especially geared toward students who plan to study abroad or who plan to enter graduate school. Compositions based on various announced topics.

**CIC:** CIC College Writing

**GER 305 German Literature: Advanced Intermediate Topics 3**

Course aims at improving students' language proficiency and familiarity with German literature. Taught in English or advanced intermediate-level German.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**GER 306 German Culture: Advanced Intermediate Topics 3**

Course aims at improving students' language proficiency and familiarity with German civilization. Taught in advanced intermediate-level German or English.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**GER 307 Advanced German Grammar 3**

Intensive study of grammar (including features not covered in lower levels of instruction) and of contrasting structures of German and English. Introduction to reference tools.

**GER 309 Topics in Central European Studies since 1918 3**

Interdisciplinary foci on modernist culture, literature, and media. Taught in English or advanced intermediate-level German.

**CIC:** CIC College Writing

**Notes:** May be repeated when topic varies.

**GER 310 German Culture: Advanced Intermediate-Topics in German Film 3**

Course aims at improving students' language proficiency and familiarity with German films and filmmakers. Taught in English or advanced intermediate-level German.

**Notes:** May be repeated for credit when topic varies.

**GER 311 German Conversation Topics 1**

Intermediate-level speaking intensive training during formal and informal conversations in German. Interdisciplinary topics focus on current affairs in the German-speaking countries.

**Notes:** Grade: Pass/Not Pass (P/NP).

**GER 403 German Literary Studies: An Introduction 3**

Readings from various genres by representative authors from the Age of Goethe to Symbolism, Expressionism, and contemporary literature. Introduction to methodologies of literary analysis. Taught in English or advanced-level German.

**GER 405 Advanced Topics in German Literature 3**

Topics will be of a literary nature. Reading and discussion of texts with attention to interpretation and analysis. Taught in English or advanced-level German.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**GER 406 Advanced Topics in German Culture 3**

Focus on culture and civilization. Studying texts and multimedia materials with attention to interpretation and analysis. Taught in English or advanced-level German.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**GER 407 Advanced Topics in German Language 3**

Linguistic or pedagogical topics include: history of the language; Indo-European to modern German. Reading Old High and Middle High texts. Taught in advanced German or English.

**Notes:** May be repeated for credit when topic varies.

**GER 422 German Memory in Fiction and Film 3**

Interdisciplinary course investigating cultural memory and notions of remembering and forgetting in autobiography, prose, poetry, art, and film. Taught in English or 300-level German.

**CIC:** CIC College Writing

**GER 491 Tutorial 1-3**

Directed program of reading, research, and individual instruction in Germanic literatures and languages.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**GER 492 Tutorial 1-3**

Directed program of reading, research, and individual instruction in Germanic literatures and languages.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**GER 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

## Gerontology (GRO)

**GRO 201 Introduction to Gerontology: Thinking about Aging 3**

Students think critically about aging in the current US context and develop proposals for change to ensure their ideal old age will be possible. Required for minor in Gerontology.

**GRO 411 Silver Industries 3**

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

**Notes:** Same as ENT 511.

**GRO 444 Baby Boomers 3**

Social and cultural impact of Baby Boomer phenomenon, including implications of cohort size, diversity, and life experiences (culture, relationships, politics, health, finances) for images of aging, products, services, and policies.

**GRO 451 Gerontology Independent Study 3**

Intensive independent study of specialized topics in gerontology.

**Prerequisites:** Requires written plan including activities and assignments to facilitate achievement of one or more of the undergraduate gerontology SLOs, permission of sponsoring instructor, credentialing of the sponsoring instructor to teach gerontology, and approval of gerontology undergraduate coordinator and department head.

**Notes:** May be repeated for credit when topics vary.

**GRO 511 Silver Industries 3**

Overview of the longevity economy and its influences on entrepreneurial opportunities. Case illustrations highlighted. Using the entrepreneurial business model, students explore opportunities, risks, and rewards in the silver industries market.

**Notes:** Same as ENT 511.

**GRO 570 Social Services for the Aging 3**

An overview of current issues in the need and delivery of social services to the aging. Students learn skills designed to prepare them for effective practice with older adults and their families.

**Notes:** Same as SWK 570.

**GRO 602 Seminar: Critical Issues of Aging 3**

Analysis of critical issues affecting the aged and how these issues are being addressed using the social ecological model and life course theory.

**GRO 620 Research Methods in Gerontology 3**

The integration and application of qualitative and quantitative research designs and methods used in gerontology. Additional attention focuses on the formulation and writing of a research proposal.

**Prerequisites:** GRO 501 and permission of instructor.

**GRO 621 Health and Aging 3**

Explores the concept of successful aging from a holistic perspective using the seven dimensions of health and wellness and the use of interdisciplinary teams to support healthy aging.

**GRO 622 Financing Longevity 3**

Overview of concepts related to financing longevity in the United States. Topics include retirement, Social Security, Medicare, Medicaid, long term care insurance and related products.

**GRO 631 Planning and Evaluation for Professionals in Aging 3**

Introduction to the knowledge and skills related to planning and evaluating innovative responses to the aging of society using program theory as a foundation.

**GRO 634 Diversity, Inclusion, and Aging 3**

An examination of issues related to diversity among older adults. Focus will be on the interaction of class, gender, race/ethnicity, culture, sexual orientation, and historical period with the aging process.

**GRO 645 Introduction to Cognitive Aging and Disorders 3**

An examination of cognition and aging including normal aging, mild cognitive impairment, and dementia. Focus will be on preparing gerontologists to work with older adults with various cognitive function.

**GRO 650 Administrator in Training - Assisted Living 3**

Introduction of knowledge and skills necessary to be an administrator of adult and family care homes. Directed practical experience in approved assisted living or group home to meet state requirements for the administrator-in-training certification.

**GRO 651 Theoretical Foundations of Aging 3**

Examines the historical development of the profession and discipline of gerontology and various gerontology related roles in a range of settings based on theories of aging.

**GRO 676 Special Topics in Gerontology 1,3**

Study of a special topic in gerontology.

**Notes:** May be repeated for credit when topic varies.

**GRO 679 Integrated Capstone in Gerontology 3**

A synthesis of ideas, perspectives, and concepts gained from the study of gerontology. Students must utilize gerontology research and theory in a field experience to conclude their course of study.

**Prerequisites:** Admission to the M.S. in Gerontology; completion of at least two-thirds of coursework including GRO 602, GRO 620, GRO 621, GRO 651, and SWK 570; and permission of instructor.

**GRO 680 Elder Law for Professionals in Aging 3**

An examination of legal and financial topics related to aging. Focus will be on preparing gerontologists to work with older adults and their families as they navigate complex legal issues.

**GRO 695 Independent Study 1-3**

Intensive study in an area of special interest in gerontology.

**Notes:** May be repeated for a maximum of 6 semester hours credit.

**GRO 699 Thesis 1-6**

Individual guidance in the development of a specific research problem. May be repeated for a maximum of 6 hours credit. (Graded on S-U basis)

**GRO 801 Thesis Extension 1-3**

Thesis Extension.

**GRO 803 Grad Resrch Proj Ext 1-3**

Research Extension.

## **Greek (GRK)**

**GRK 101 Elementary Ancient Greek I 3**

Introduction to ancient Greek. Emphasis on understanding principles of grammar and developing skills for reading ancient Greek.

**GRK 102 Elementary Ancient Greek II 3**

Continuation of GRK 101. Emphasis on advanced grammar and reading of selections from ancient Greek authors (e.g., Euripides, Xenophon, Plato, New Testament).

**Prerequisites:** GRK 101.

**GRK 203 Intermediate Ancient Greek I 3**

Designed to develop proficiency in the reading of ancient Greek prose and to introduce students to Greek prose authors. Plato and Lysias and/or Herodotus (or another historian) taught in alternate years.

**Prerequisites:** A grade of C- or better in GRK 202 or permission of instructor.

**GRK 204 Intermediate Ancient Greek II 3**

Continuation of GRK 203. Designed to develop proficiency in reading ancient Greek poetry and to introduce students to Greek poets. Greek tragedy/Homer taught in alternate years.

**Prerequisites:** GRK 203.

**GRK 303 Greek Drama 3**

Selected works of Sophocles, Aeschylus, Euripides, and Aristophanes.

**Prerequisites:** GRK 204 or permission of instructor.

**GRK 311 The Greek Orators 3**

Selections from the works of Greek orators; emphasis on Antiphon, Lysias, Isocrates, and Demosthenes.

**Prerequisites:** GRK 204 or permission of instructor.

**GRK 312 Greek Historical Writers 3**

Selections from the works of the Greek historians; emphasis on Herodotus and Thucydides.

**GRK 341 Homer 3**

Selections from Iliad and Odyssey.

**Prerequisites:** GRK 204 or permission of instructor.

**GRK 402 Independent Study 1-3**

Directed program of reading, research, and individual instruction in Greek language and literature.

**Prerequisites:** Permission of Instructor.

## **Grogan College (GRC)**

**GRC 101 The Grogan College Experience 1**

Introductory examination of critical issues in educational theory and practice related to the learning community concept. The course also exposes students to essential competencies for academic and personal success.

**Prerequisites:** Enrollment in a Grogan College Learning Community.

**GRC 102 Topics in Connected Thinking: An Introduction to Interdisciplinary and Cross-Professional Problem Solving 1**

Topical exploration of interdisciplinary and cross-professional thinking through real world applications and community engagement.

**Prerequisites:** GRC 101 or ISL 101. enrollment in Grogan College.

## **Health Informatics (IAH)**

**IAH 630 Fundamentals of Health Informatics 3**

Introduction to healthcare data, data systems, and different kinds of applications of analytics for health care, including clinical and research applications.

**Notes:** Students cannot receive credit for both IAH 630 and CSC 630.

**IAH 631 Artificial Intelligence in Health Care 3**

Problem-based learning with Artificial Intelligence approaches of data science, data mining, statistics, and machine/deep learning, directed towards solving quantitative problems in the domain of Health Care Informatics.

**Notes:** Students cannot receive credit for both IAH 631 and CSC 631.

**IAH 689 Capstone Project in Health Informatics 3**

Students work with local industries and nonprofit organizations to solve important data science problems under the supervision of a mentor. Students develop a portfolio and give a presentation to program faculty and students reflecting on their experiences using informatics and analytics in a specific work situation.

## **Higher Education (HED)**

**HED 601 Foundations of College Student Affairs Administration 3**

Historical, philosophical, ethical, cultural, and research foundations of higher education that inform student affairs practice. Learners articulate the inherent values of the profession as guided by key professional documents.

**HED 602 Student Development Theory in Higher Education 3**

Learning as a comprehensive, holistic, and transformative experience integrating academic learning and student development. Overview of campus programs and services. Review of research on the impact of college on undergraduates.

**HED 603 Effects of College on Students 3**

Reviews the theory and research on the effects of the college experience on contemporary college students.

**Prerequisites:** Restricted to students enrolled in the SAAHE master's degree program or the Higher Education doctoral program (if needed as a supporting course and with instructor permission).

**HED 606 Organization and Administration of Student Affairs in Higher Education 3**

Basic skills and theories of organization and administration of student affairs programs in higher education.

**Prerequisites:** HED 601.

**HED 608 Leadership in Higher Education 3**

Examines the concepts of "good" and "effective" leadership and the nature of leadership development in higher education. Explores and investigates leadership models, theories, and frameworks in higher education.

**HED 609 Student Development Theory II 3**

Examines the concepts of social justice in higher education. Explores and investigates various theories, perspectives, issues, and frameworks of social justice and social identities in higher education.

**HED 610 Legal Issues in Higher Education 3**

Overview of current legal issues in higher education, including constitutional law, academic issues, and faculty/student disciplinary issues with a focus on case law, statutes, and regulations.

**HED 612 Current Issues in Higher Education 3**

Identification and analysis of current issues with discussion of proposals for resolution.

**HED 625 Academic Advising and Retention in Higher Education 3**

Addresses academic advising as a key element in the retention of college students; academic advising on the college campus.

**HED 630 Life Design Coaching in Student Affairs 3**

This course is intended to help student affairs and higher education professionals apply coaching activities and techniques to the questions of life design of students.

**HED 650 Practitioner-Scholars and Research in Student Affairs 3**

This course provides a broad overview of conducting research as a practitioner in Student Affairs and Higher Education. Students will engage in experiential learning by generating an individual research plan, considering current issues in higher education and effective methods of inquiry to address them.

**Prerequisites:** Completion of 6 credits of HED course work.

**HED 663 Planning Programs and Assessment in Postsecondary Education 3**

Designing and implementing developmentally appropriate programs in higher education. Constructing learning outcomes. Evaluating and reporting program effectiveness.

**HED 688 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript (e.g., Contemporary Problems Seminar; Issues in Professional Negotiations).

**Prerequisites:** Advanced master's or doctoral standing, or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**HED 690 Internship and Professionalism in Student Affairs 3**

Provides experiential learning opportunities in functional area of higher education. Learners engage in professional work activities, explore career interests, and prepare for full-time employment.

**Prerequisites:** HED 601, HED 602.

**HED 692 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

**HED 699 Thesis 1-6**

Individual guidance and direction in the development of a research problem in the master's degree thesis.

**HED 728 Topics in Curriculum and Instruction 3**

Advanced study of special topics in curriculum and teaching.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated up to three times for credit when topic varies.

**HED 745 Higher Education: Equity, Inclusion and Learning 3**

A review of theory and research on inclusion and equity in postsecondary education. Addresses skills, knowledge, and dispositions necessary for establishing culturally responsive learning environments.

**HED 746 Organizational Theory in Higher Education 3**

Competing theories of college and university organization form a transdisciplinary perspective with attention to the cultural singularities of academia. Production of an in-depth literature review on a related topic.

**Prerequisites:** HED 601, HED 606, and HED 661.

**HED 747 Advanced Student Development Theory 3**

Advanced study of the impact of college on students with emphasis on developmental needs and peer group characteristics. Requires an in-depth literature review on a related topic.

**HED 748 The Law of Higher Education 3**

An overview of law and implications for decision-making in higher education. Focus on constitutional, statutory, and case law. Prepares higher education leaders to protect rights of faculty, staff, students, others.

**HED 749 Professional Seminar in Higher Education Research 3**

Overview of higher education as a field of study. Participants develop research interests, practice critical reading and writing strategies, and produce an in-depth literature review.

**Prerequisites:** HED 601, HED 606, and HED 661.

**HED 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**HED 759 College Teaching Practicum 3**

Supervised experiences in teaching college level course(s).

**HED 767 Qualitative Data Collection and Analysis 3**

In-depth experience in qualitative data collection and analysis beyond the introductory level. Completion of a qualitative research project in collaboration with other students in the class.

**Prerequisites:** ELC 664, ELC 665 or other course in qualitative research.

**HED 768 Critical Theory in Higher Education 3**

Develops students' abilities to think with critical, decolonial, postcolonial, and postmodern epistemological, theoretical, and methodological possibilities for research. Students engage with discourse that transcends the traditional philosophical paradigms, which reiterate and perpetuate systems of inequity in higher education.

**HED 769 Scholarly Writing in a Gendered and Raced Academy 3**

Focuses on knowledge production in the academy through the scholarly writing process. Course topics interrogate knowledge production norms in writing within the raced and gendered context of academic spaces.

**HED 775 Directed Doctoral Research 3**

Individual work on dissertation research problems: collection analysis, critical review, integration, and interpretation of research literature on a topic pertinent to the student's dissertation.

**Notes:** May be repeated once for credit.

**HED 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**HED 802 Dissertation Extension 1-3**

Dissertation Extension.

# History (HIS)

**HIS 101 Contemporary World 3**

This course explores the historical background behind major issues of the contemporary world, including: colonialism/decolonization; the Cold War and other global conflicts; genocide; religious fundamentalism; and the role of women.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**HIS 203 History of Africa to 1870 3**

Early African empires, the spread of Islam, European exploration, the Atlantic slave trade and its effects, slavery in Africa, white settlement in South Africa.

**MAC:** MAC Global and Intercultural

**HIS 204 History of Africa since 1870 3**

Colonial partition, missionaries, wars of resistance, styles of colonial rule, development and underdevelopment, independence movements and de-colonization, neo-colonialism, capitalism and socialism, civil wars, apartheid in South Africa.

**MAC:** MAC Global and Intercultural

**HIS 206 Topics in Premodern Western History 3**

Cross-cultural themes in premodern continental European history explored in a world context, such as: History of Christianity; Atlantic Exploration and the Columbian Exchange; Everyday Life before 1750.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** May be repeated for credit when topic of study changes.

**HIS 207 Topics in Premodern World History 3**

Cross-cultural themes in premodern African, Asian, or Latin American/Caribbean history explored in a world context, such as: Merchants, Trade, and Cultural Encounters; Islam in Asia and Africa; Ancient American Empires.

**MAC:** MAC Global and Intercultural

**Notes:** May be repeated for credit when topic of study changes.

**HIS 208 Topics on the West and the Modern World 3**

Transnational themes in modern continental European history explored in a world context, such as: Emigration and Immigration; Nation States and National Identities; History of "Development"; European Expansion and Colonial Empires.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** May be repeated for credit when topic of study changes.

**HIS 209 Topics in Modern World History 3**

Transnational themes in modern African, Asian, or Latin American/Caribbean history explored in a world context, such as: Borderlands, Frontier, and Cultural Change; Contradictions of Colonial Experience; Gender, Labor, and Modernization.

**MAC:** MAC Global and Intercultural

**Notes:** May be repeated for credit if the topic of study changes.

**HIS 210 Human Rights in Modern World History 3**

A historical survey of human rights as a concept and political cause in international law, transnational movements, and global events from the 18th century to the present.

**MAC:** MAC Global and Intercultural

**HIS 211 The United States: A General Survey to 1865 3**

First semester: to 1865. Second semester: since 1865.

**MAC:** MAC Diversity and Equity

**CIC:** CIC College Writing

**HIS 212 The United States: A General Survey Since 1865 3**

First semester: to 1865. Second semester: since 1865.

**MAC:** MAC Diversity and Equity

**CIC:** CIC College Writing

**HIS 213 Topics in American History 3**

Selected topics in American history at an introductory level. Topics may vary from colonial era through the twentieth century. This course stresses the analysis and interpretation of primary sources.

**MAC:** MAC Diversity and Equity

**HIS 215 The Civilizations of Asia 3**

History, institutions, and culture of India, China, and Japan, from earliest times to about 1700. Limited reference to Southeast Asia, Central Asia, and Korea.

**MAC:** MAC Global and Intercultural

**HIS 216 The Civilizations of Asia 3**

Impact of West on Asia and Asia's response; development of nationalism and Communism. Focus is on India, China, and Japan in nineteenth and twentieth centuries.

**MAC:** MAC Global and Intercultural

**HIS 217 The World in the Twentieth Century 3**

Political, social, and economic forces affecting Africa, the Americas, Asia, and Europe. Issues include Cold War, imperialism, nationalism, terrorism, world war. Covers the twentieth century from 1900 to 1945.

**MAC:** MAC Global and Intercultural

**HIS 218 The World since 1945 3**

Political, social, and economic forces affecting Africa, the Americas, Asia, and Europe since 1945. Issues include Cold War, imperialism, nationalism, terrorism, and decolonization.

**MAC:** MAC Global and Intercultural

**HIS 220 The Ancient World 3**

Early civilizations: Near Eastern, Egyptian, Greek, and Roman to Reign of Constantine.

**MAC:** MAC CritThink Hum and Fine Art

**HIS 221 Medieval Legacy 3**

Survey of Western European history from the end of the Roman Empire to the fifteenth century exploring such varied aspects of the medieval experience as pilgrimage, crusade, peasant life, the emergence of national states, and the rise of the university.

**MAC:** MAC CritThink Hum and Fine Art

**HIS 222 Europe 1400-1789 3**

Survey of major socio-economic, political, and cultural trends in Europe from the Renaissance to the French Revolution.

**MAC:** MAC CritThink Hum and Fine Art

**HIS 223 European Revolutions, 1789-1989 3**

Survey of major socio-economic, political, and cultural trends in Europe from the French Revolution to the present.

**MAC:** MAC CritThink Hum and Fine Art

**HIS 239 The First America: Latin America, 1492-1830 3**

Introduction to the early history of Latin America. Emphasis on the clash of cultures, Indian-Spanish relations, and the structure and mechanisms of empire.

**MAC:** MAC Global and Intercultural

**HIS 240 (Dis)order and Progress: Latin America since 1810 3**

Introduction to the political and economic history of Latin America since independence. Survey covers political dynamics, social transformations, and the evolution of export economics.

**MAC:** MAC Global and Intercultural

**HIS 301 Race and Slavery 3**

Examination of the black experience from ancient to modern times, including pre-colonial Africa, the Atlantic slave trade, slavery in the Americas with special emphasis on the United States before 1865.

**HIS 302 Race and Segregation 3**

Race and segregation in the United States since the Civil War, including the origins of Jim Crow laws, civil rights movement, black urbanization, the Harlem Renaissance, black nationalism, and the black experience in America.

**HIS 308 Navigating World History 3**

Introduction to and overview of world history, ca. 8000 BCE to the present. Prepares Social Studies Licensure majors to teach world history at the middle grades and high school level.

**Prerequisites:** Social Studies Licensure candidates or permission of instructor.

**HIS 309 Unity and Unrest in Medieval Towns 3**

Examines the ways in which the towns of Medieval Europe constructed social unity and the ways in which that unity was threatened by cultural change and social unrest.

**HIS 310 Daughters of Eve: Women in the Middle Ages 3**

Examines the political, social, religious, and cultural experiences of women during the European Middle Ages. Consideration given to gender roles, family structure, and writings by and about women.

**HIS 312 The Crusades 3**

Social, political, and religious causes of crusading: events of the crusades (1097–1250); impact of the crusades on Christian Europe and the Muslim Near East.

**HIS 313 The Viking Age 3**

Examines the Scandinavian peoples of Europe during the Viking Age (750-1150), with focus on the internal culture, religion, and politics of Scandinavia and on external raids and colonization.

**HIS 314 The Modern British Empire, 1750-Present 3**

This course examines the British Empire from the mid-eighteenth century to the present. Themes include: the changing nature of imperial expansion, methods of colonial rule, decolonization, and legacies of empire.

**HIS 315 Witchcraft and Magic in European History 3**

Examination of witchcraft beliefs and persecution as a way of studying the social history of Europe before industrialization. Emphasizes the "Witch Craze" of the sixteenth and seventeenth centuries.

**HIS 316 Interpreting American History 3**

Examination of a broad variety of primary source evidence and historiographical methods for studying the American past from the colonial era through the twentieth century.

**Prerequisites:** Middle Grades or Secondary Social Studies Licensure candidates or permission of instructor.

**HIS 317 Introduction to Public History 3**

Explores the place of the past in contemporary life and introduces the field of public history: the effort to make history for and with audiences beyond the university.

**HIS 318 Revolution and Reform in Modern Latin America 3**

Origins and historical influence of major social and cultural movements in Latin America since 1800. Topics include liberalism, populism, and communism; gender movements, countercultures, and Catholic traditionalism; and ethnic nationalisms.

**HIS 319 Sugar, Soccer, Samba: History of Brazil 3**

General history of Brazil since 1500. Topics include cultural and environmental history; the history of slavery and colonization; immigration, race, and economic development; and modern struggles for equality and democracy.

**HIS 320 History of Mexico and Central America 3**

The political and economic history of Mexico and Central America from the dissolution of colonial New Spain in 1821 to the debates over neoliberalism in the early 21st century.

**HIS 321 Latin America and the United States 3**

A history of inter-American relations from the Monroe Doctrine to the Caribbean Basin Initiative. An examination of traditional interpretations and contemporary arguments and the Latin American context and perspective.

**HIS 322 American Indian History: 1840 to the Present 3**

Explores the history of American Indians in the area now encompassed by the United States from 1840 to the present.

**HIS 323 American Indians and Nature 3**

Examines the interaction of American Indians and nature from before European arrival today.

**HIS 326 Using Photographs as Historical Evidence 3**

Case study approach using photographs as historical evidence from the Civil War to the Great Depression. History and interpretation of specific print materials. Identification, care and handling of historic photographs.

**HIS 328 U.S. Women's History to 1865 3**

A history of women in the U.S. to the Civil War. Topics include Native American gender systems, midwives, witchcraft, women's labor and education, families, slavery, and social reform.

**HIS 329 U.S. Women's History Since 1865 3**

A history of women in the U.S. since the Civil War. Topics include women's activism, labor, reproduction, public policy, race and class inequalities, and contemporary women's issues.

**HIS 332 Civil Rights and Black Freedom, 1940-1980 3**

Southern and national civil rights politics in light of local and human rights dimensions of the wider black freedom movement. Special attention to leadership, economics, local movements, and white resistance.

**HIS 333 American Indian History to 1840 3**

Explores the history of American Indians in the area now encompassed by the United States through the era of Indian Removal in the 1830s.

**HIS 334 United States Environmental History 3**

Examines the interaction of humans and nature in American history from the colonial period to today.

**HIS 335 America Before the Revolution 3**

Selected topics on North American history prior to the American Revolution, such as the lives of diverse groups of people, trade, war, rebellion, religion, and politics.

**HIS 336 The American Revolutionary Era, 1763-1789 3**

Selected topics in the history of the American Revolution, such as the roles of gender, class, race, politics, war, and various groups of peoples in the Revolutionary era.

**HIS 337 Emerging Nation: US History 1789-1848 3**

Selected topics in United States history during the early national era, such as the Market Revolution, the growth of slavery, foreign relations, Indian Removal, democratizing politics, and territorial expansion.

**HIS 338 Civil War, Reconstruction, and Reunion, 1848-1896 3**

American history from the end of the Mexican War to the Bryan campaign, centering on the slavery controversy, Civil War and Reconstruction, industrialization, urbanization, and agrarian problems.

**HIS 339 From Civil War to Superpower: America 1896-1945 3**

Examines the rise of American global power and its domestic foundations, includes coverage of the labor movement, the World Wars, progressive reform, the New Deal, civil rights issues, and the women's rights movements.

**HIS 340 The United States since World War II 3**

Selected social, political, and international trends and events: Cold War and Vietnam; conservatism from McCarthy to Reagan; black freedom, radicalism and the Great Society; feminism; mass immigration and multicultural America.

**HIS 341 Pirates of the Caribbean: The Real Story 3**

Introduces students to the fascinating, complex, and changing roles of corsairs, buccaneers, and privateers in shaping the emerging colonial economies, societies, and cultures of the early modern Caribbean.

**HIS 342 Gender, Sex, and Health in the 20th Century US 3**

Women's bodies and health in historical perspective. Topics include: anatomy, menstruation, childbirth, birth control, abortion, violence, pregnancy, nutrition, eating disorders, HIV/AIDS, menopause, breast cancer, and sexuality.

**HIS 344 The New South 3**

Southern history from Reconstruction to the present. Emphasis on race, politics, agriculture, and industry.

**HIS 346 Topics in Historical Memory 3**

This course will provide insight into how understanding and representation of the past has been constructed and reshaped over time through memory and history. Topics examined can include the origin of national myths, heroes, celebrations and commemorations, monuments and memorials, national traumas, and more.

**Notes:** May be repeated once for credit when topic varies.

**HIS 347 History of North Carolina 3**

History of North Carolina from its colonial origins to the twentieth century, including the evolution of its political system, economy, social structure, and culture.

**HIS 348 The World at War, 1914-1918 3**

Origins, course, and impact of the First World War. Emphasis on political, social, and cultural as well as military perspectives.

**HIS 349 The World at War, 1939-1945 3**

Emphasis on the political systems responsible for the Second World War; military establishments that fought it, the populations that suffered it, and sociopolitical and cultural changes it brought about.

**HIS 350 American Immigration: Newcomers and Gatekeepers 3**

Examines how immigrants and immigration restrictionists shaped the society, culture, national identity, and politics of the U.S. since 1880. Work, community, poverty and opportunity, political organizing for and against immigration.

**HIS 351 History of Greece, 2000 BC-31 BC 3**

Mycenaean society, Greek "dark ages" colonization and tyranny, Athens and Sparta, flowering in the fifth and fourth centuries, conquests of Alexander, Hellenistic empires, and the diffusion of Greek civilization.

**HIS 354 Roman Republic 754 BC - 44 BC 3**

Study of the social/political forces that led to Rome's conquest of the Mediterranean World and of the transformation which world conquest wrought on Rome itself. Topics covered include: the Roman Constitution and politics, the Roman conquest of Italy and then of the whole Mediterranean, and the decline of the Republic.

**Prerequisites:** None.

**Notes:** Same as CCI 354.

**HIS 355 The Roman Empire, 44 BC-AD 337 3**

Survey of politics and society at Rome under the Empire, when Rome dominated Western Civilization. Topics covered include: Augustus and the rise of one-man rule at Rome, the long "Roman Peace" and the civilizing of Europe under the Emperors, the rise of Christianity, and the transformed Empire of Constantine the Great.

**HIS 356 The Making of the African Diaspora 3**

This course will explore the histories of Africans and their decedents across the Indian Ocean and Atlantic worlds.

**HIS 362 History of Economic Thought 3**

The history of economic thought and criticism since the eighteenth century. Major topics include classical economics, socialism, communism, marginalism, Keynesianism, corporatism, Austrian economics, monetarism, developmentalism, neoliberalism, and modern anti-market revolutions.

**Notes:** Same as ECO 362.

**HIS 363 European Economic History 3**

Study of the evolution of European economies from early modern times to the twentieth century. Emphasis on sources of growth: trade, migration, industry, technical change, labor, and capital.

**Prerequisites:** ECO 201.

**HIS 364 The French Revolutionary Era 3**

France in the age of the French Revolution, including the old regime, Enlightenment, narrative and interpretive treatment of the Revolution.

**HIS 365 Modern France 3**

Social, political, and cultural forces that shaped France through the Third Republic, World Wars, rise of communism and fascism, Occupation and Resistance, postwar Fourth and Fifth Republics.

**HIS 369 History of Spain 3**

Exploration of major themes in Spanish history, including the concept of crusade, the experience of empire, and struggle for religious, ethnic, and political unity. Focuses on Spain during its "Golden Age" (1500–1700).

**HIS 371 Europe since World War I 3**

A survey of modern Europe with emphasis on the two world wars, political ideologies and cultural developments, and the postwar movement to European integration.

**HIS 373 English History to 1660 3**

Origins and evolution of English culture and English constitution.

**HIS 374 British History 1688-Present 3**

Major landmarks in the social, political, intellectual, and cultural history of the diverse peoples of the British Isles from the Glorious Revolution of 1688 to the 21st century.

**HIS 375 Germany in the Nineteenth Century, 1800-1914 3**

Examination of German social and political structures and their functioning between 1800 and outbreak of World War I. Attendant emphasis placed upon cultural and intellectual issues which illuminate German (and European) culture of the nineteenth century.

**HIS 376 German History, 1914-1945 3**

German social and political structures and their functioning during World War I, Weimar Republic, and Third Reich with attendant emphasis on cultural and intellectual themes.

**HIS 377 Russian History to 1900 3**

Introduction to old Russia of Kiev and Muscovy, followed by a more intensive survey of eighteenth and nineteenth centuries.

**HIS 378 Russian History since 1900 3**

End of Tsarist Empire, Revolution of 1917 and its aftermath, Soviet Union under Stalin, and recent developments.

**HIS 380 Topics in the Near and Middle East 3**

Explores interdisciplinary topics in the Near and Middle East designed to enrich historical perspectives such as archaeology, environmental history, and travel literature. Emphasis is on the Islamic world.

**Notes:** May be repeated for credit when topic varies.

**HIS 381 The Near and Middle East since World War I 3**

Emphasizes developments since World War I.

**HIS 382 Viet Nam: History, Culture, and Resistance 3**

This course will consider the history of wars fought on Vietnamese soil within the larger context of political, social, and cultural change.

**HIS 383 Chinese History to 1800 3**

Early Chinese Civilization: Imperial Period; first dynasties; Early Modern China.

**HIS 384 The Modern Transformation of China: 1800 to Present Day 3**

Coming of Europeans; decline of imperial institutions to 1870; Western impact and Chinese reforms, 1870–1945; contemporary China.

**HIS 387 History of the Chinese Frontier 3**

Exploration of the ways in which the various peoples existed on the edges of the Chinese empire throughout history, fighting during much of this time for political and cultural autonomy.

**HIS 389 West Africa during the Atlantic Slave Trade 3**

Examines how trade between European and African countries developed into a trans-Atlantic slave trade. Focus on origins of slaves and effects of slave trade on Africa, ca. 1450–1850.

**HIS 390 History Internship 3**

Field learning experience in public or applied history, or archaeology. Academic supervision provided by job supervisor. Assigned reading and written reports.

**Prerequisites:** Permission of Instructor.

**HIS 391 Historical Skills and Methods 3**

Introduction to research methods in history. Topics include: analyzing varieties of primary and secondary source materials; designing a project focus; finding and evaluating appropriate sources; citation methods; historiography.

**CIC:** CIC College Writing

**Prerequisites:** History major or minor and completion of all 200-level requirements for the major.

**HIS 392 The Holocaust: History and Meaning 3**

This course examines the history of the Nazi Holocaust during World War II and explores a variety of meanings—intellectual and artistic—that have been imposed upon it.

**HIS 393 Medieval Church and State 3**

Course examines origins, elaboration, and impact of political thought in the West as it arose out of the ongoing transformation of the medieval church and state from circa 300–1500.

**HIS 401 Individual Study 1-3**

Directed program of reading or research. Available to qualified students upon the recommendation of an instructor and approval of department head.

**HIS 402 Individual Study 1-3**

Directed program of reading or research. Available to qualified students upon the recommendation of an instructor and approval of department head.

**HIS 403 African American History: Selected Topics 3**

Examination of selected topics in black history including African beginnings, slavery, racial attitudes, and civil rights.

**Notes:** May be repeated once for credit.

**HIS 405 Introduction to Archival Management 3**

Principles of archival management, featuring both classroom instruction in archival theory and practical experience in manuscript repositories and public and private archives.

**Prerequisites:** Permission of instructor.

**HIS 408 Latin America and Caribbean: Selected Topics 3**

A study of select political and economic developments from a historical perspective. Topics include an examination of Hispanic democracy, the evolution of the military, and land tenure. Seminar format.

**Notes:** May be repeated once for credit when topic varies.

**HIS 411A Seminar in Historical Research and Writing 3**

Locating and using historical source materials, written and oral, published and unpublished. 411A: American; 411B: European; and 411C: Wider World.

**CIC:** CIC College Writing

**Prerequisites:** For social studies licensure students: HIS 430 and permission of instructor. for all other history majors: HIS 391 and permission of instructor;

**Notes:** Required of history majors. May be repeated once for credit when topic varies.

**HIS 411B Seminar in Historical Research and Writing 3**

Locating and using historical source materials, written and oral, published and unpublished. 411A: American; 411B: European; and 411C: Wider World.

**CIC:** CIC College Writing

**Prerequisites:** For social studies licensure students: HIS 430 and permission of instructor. for all other history majors: HIS 391 and permission of instructor;

**Notes:** Required of history majors. May be repeated once for credit when topic varies.

**HIS 411C Seminar in Historical Research and Writing 3**

Locating and using historical source materials, written and oral, published and unpublished. 411A: American; 411B: European; and 411C: Wider World.

**CIC:** CIC College Writing

**Prerequisites:** For social studies licensure students: HIS 430 and permission of instructor. for all other history majors: HIS 391 and permission of instructor;

**Notes:** Required of history majors. May be repeated once for credit when topic varies.

**HIS 412 Public History 3**

A history of America's past through museums (indoor and outdoor); collections and their interpretation; exhibitions and park and wilderness areas.

**HIS 414 Topics in World History 3**

Selected topics in world history such as migration, religions, human and/or environmental interaction, imperialism, trade, urbanism, frontiers, and global networks.

**Notes:** May be repeated once for credit when topics varies.

**HIS 415 American Diplomatic History: The Twentieth Century 3**

Emphasis on most important crises and making of basic policy decisions from Spanish American war to present.

**HIS 420 Southern History: Selected Topics 3**

Selected topics in the history of the American South from the colonial origins to our time. Examples include politics, education, economic development, reform, race, and gender.

**Notes:** May be repeated once for credit when topic varies.

**HIS 422 Early American History: Selected Topics 3**

Varying topics in early American history including settlement, economic development, Puritanism, the Great Awakening, slavery, ethnicity, and pre-Revolutionary politics.

**Notes:** May be repeated once for credit when topic varies.

**HIS 424 Twentieth-Century U.S. History: Selected Topics 3**

Varying topics in twentieth-century U.S. history including Progressive Era, World War I, the 1920s, the Great Depression and New Deal, World War II, McCarthyism, Civil Rights Movement, Vietnam War, the 1960s.

**Notes:** May be repeated once for credit when topic varies.

**HIS 426 The Civil War and Reconstruction: Selected Topics 3**

Causes of the Civil War. Military events and developments on the home front in wartime, North and South. Reconstruction policy in Washington and its implementation in the South.

**Notes:** May be repeated once for credit when topic varies.

**HIS 430 Historical Methods for Social Studies Teachers 3**

Introduction to research methods in history for social studies licensure students. Students write a research paper based on primary source evidence.

**CIC:** CIC College Writing

**Prerequisites:** Middle Grades or Secondary Social Studies Licensure candidates who have completed HIS 308, HIS 316, and one other 300-level History elective for a total of 9 s.h.. or permission of instructor.

**HIS 434 The American Revolution: Selected Topics 3**

Politics of Empire, colonial political culture, War for Independence, constitutionalism, race, partisanship from the 1750s to 1800.

**Prerequisites:** HIS 211 recommended.

**HIS 440 Principles and Practices for Teaching History 3**

Philosophy and methods for teaching historical reasoning. Topics include evaluating curricular standards, using primary sources in the classroom, teaching with historic places, creating and evaluating assignments, and teaching research methods.

**Prerequisites:** Middle Grades or Secondary Social Studies licensure candidates who have completed HIS 308, HIS 316, and any 300-level history elective, for a total of 9 s.h., or permission of the instructor.

**HIS 441 Ancient World: Selected Topics 3**

Varying topics in ancient Near Eastern, Greek, and Roman history, including politics and public rituals, patterns of social organization, ancient slavery, cross-cultural interactions.

**HIS 442 Middle Ages: Selected Topics 3**

Varying topics in medieval culture and society chosen from the broad categories of political, social, economic, intellectual, or religious history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 443 Historic Preservation: Principles and Practice 3**

Study of change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment. Development of philosophical approach for designers to contemporary preservation projects.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 443.

**HIS 444 Early Modern Europe: Selected Topics 3**

Varying topics in early modern European history, including Renaissance cities, Protestant Reformation, Catholic Reformation, court cultures, impact of printing, gender and identity and the Age of Discovery.

**Notes:** May be repeated once for credit when topic varies.

**HIS 445 Southern History and Southern Material Culture in a Museum Context 3**

Combined southern history and material culture with a museum practicum. Students selected by individual application.

**Prerequisites:** Permission of instructor. students must submit written application;

**Notes:** May be repeated for credit when topic varies, with permission of instructor.

**HIS 446 American Cultural History: Selected Topics 3**

Varying topics in the creation and development of American culture including the role of technology, environment, ethnic diversity, and the history of ideas.

**Notes:** May be repeated once for credit when topic varies.

**HIS 447 History Museum Curatorship: Collections Management 3**

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

**Prerequisites:** Admission to a program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 447.

**HIS 448 Architectural Conservation 3**

Overview of contemporary architectural conservation principles, practice and technology. A series of field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 448.

**HIS 449 American Social History: Family and Religion 3**

American social history from the eve of colonization to Reconstruction, the family and communal organization of early American society, and the assumptions about human nature and destiny underlying culture and change.

**HIS 451 Gender and History: Selected Topics 3**

Varying topics in Gender and History including Gender and Popular Culture; Gender, Labor, Race, and Class; History of Masculinity.

**Notes:** May be repeated once for credit when topic varies.

**HIS 455 Field Methods in Preservation Technology 3**

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 455.

**HIS 460 Nineteenth-Century Europe: Selected Topics 3**

Selected topics address comparative political, social, and economic development of major European states and changing power relationships from the defeat of Napoleon to the end of the First World War.

**Notes:** May be repeated once for credit when topic varies.

**HIS 462 Twentieth-Century Europe: Selected Topics 3**

Topics in 20th-century European history including World War I, its impact on European thought and culture, the origins of World War II, the movement for European Unity, the Cold War.

**Notes:** May be repeated once for credit when topic varies.

**HIS 463 Early Modern England: Selected Topics 3**

Varying topics in early modern British history, including the Protestant Reformation, political revolutions and economic and social change.

**Notes:** May be repeated once for credit when topic varies.

**HIS 464 Modern Britain: Selected Topics 3**

Varying topics in modern British history such as the industrial revolution, parliamentary reform, loss of one empire and the creation of a second, World War I and II.

**Notes:** May be repeated once for credit when topic varies.

**HIS 467 French History: Selected Topics 3**

Study of specific themes and/or problem areas in French History.

**Notes:** May be repeated once for credit when topic varies.

**HIS 469 African History and Cultures through Film 3**

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

**Notes:** Same as LLC 468. may be repeated once for credit when topic varies.

**HIS 471 Modern European Thought: Selected Topics 3**

Study of selected themes and/or problems in European intellectual and cultural history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 474 Modern Germany: Selected Topics 3**

Varying topics in modern German history including the Third Reich, Germany during World War I, Bismarckian Germany, ideology in Germany.

**Notes:** May be repeated once for credit when topic varies.

**HIS 475 Modern Russian History: Selected Topics 3**

Varying topics in modern Russian history, including "Great Reforms," industrialization, revolutionary movement, Marxism-Leninism, tsarist and Soviet foreign policy, Soviet politics, post-World War II changes, Gorbachev era, and end of Soviet Union.

**Notes:** May be repeated once for credit when topic varies.

**HIS 478 Research Methods in Historical Archaeology 3**

Advanced training in research methods in Historic Archaeology, involving on-site training in field, laboratory, and library components of Historic Archaeology.

**Prerequisites:** Junior or senior status.

**Notes:** Same as ATY 475.

**HIS 481 African History: Selected Topics 3**

Varying topics in African history including Central African Kingdoms, Pre-colonial West African Kingdoms, "Stateless" Societies of Africa.

**Notes:** May be repeated once for credit when topic varies.

**HIS 487 Southern African History 3**

The rise and decline of African nations in nineteenth-century southern Africa: economic and social change; the creation of the Union of South Africa and the roots of apartheid.

**HIS 488 East Asian History: Selected Topics 3**

Varying history in East Asian history: a detailed examination of specific social, economic, political and intellectual facets of Chinese, Korean and Japanese history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 491 Honors Work: American History 3-6**

**Prerequisite:** Permission of instructor; 3.30 GPA in the major; 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**HIS 492 Honors Work: European History 3-6**

Individual study.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**HIS 493 Honors Work: Wider World History 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major; 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**HIS 502 African American History: Selected Topics 3**

Examination of selected topics in black history including African beginnings, slavery, racial attitudes, and civil rights.

**Notes:** May be repeated once for credit.

**HIS 508 Latin America and Caribbean: Selected Topics 3**

A study of select political and economic developments from a historical perspective. Topics include an examination of Hispanic democracy, the evolution of the military, and land tenure. Seminar format.

**Notes:** May be repeated once for credit when topic varies.

**HIS 510 Historiography 3**

Development of the historical profession and perspectives on historical methodology. Selected readings by philosophers of history and practicing historians.

**HIS 512 Public History 3**

A history of America's past through museums (indoor and outdoor); collections and their interpretation; exhibitions and park and wilderness areas.

**HIS 514 Topics in World History 3**

Selected topics in world history such as migration, religions, human and/or environmental interaction, imperialism, trade, urbanism, frontiers, and global networks.

**Notes:** May be repeated once for credit when topics varies.

**HIS 515 American Diplomatic History: The Twentieth Century 3**

Emphasis on most important crises and making of basic policy decisions from Spanish American war to present.

**HIS 520 Southern History: Selected Topics 3**

Selected topics in the history of the American South from the colonial origins to our time. Examples include politics, education, economic development, reform, race, and gender.

**Notes:** May be repeated once for credit when topic varies.

**HIS 522 Early American History: Selected Topics 3**

Varying topics in early American history including settlement, economic development, Puritanism, the Great Awakening, slavery, ethnicity, and pre-Revolutionary politics.

**Notes:** May be repeated once for credit when topic varies.

**HIS 524 Twentieth-Century U.S. History: Selected Topics 3**

Varying topics in twentieth-century U.S. history including Progressive Era, World War I, the 1920s, the Great Depression and New Deal, World War II, McCarthyism, Civil Rights Movement, Vietnam War, the 1960s.

**Notes:** May be repeated once for credit when topic varies.

**HIS 526 The Civil War and Reconstruction: Selected Topics 3**

Causes of the Civil War. Military events and developments on the home front in wartime, North and South. Reconstruction policy in Washington and its implementation in the South.

**Notes:** May be repeated once for credit when topic varies.

**HIS 534 The American Revolution: Selected Topics 3**

Varying topics in the history of the American Revolutionary era, 1750s-1800, such as the roles of gender, class, race, politics, war, and various groups of peoples.

**Notes:** May be repeated once for credit when topic varies.

**HIS 541 Ancient World: Selected Topics 3**

Varying topics in ancient Near Eastern, Greek, and Roman history, including politics and public rituals, patterns of social organization, ancient slavery, cross-cultural interactions.

**HIS 542 Middle Ages: Selected Topics 3**

Varying topics in medieval culture and society chosen from the broad categories of political, social, economic, intellectual, or religious history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 543 Historic Preservation: Principles and Practice 3**

Study of change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment. Development of philosophical approach for designers to contemporary preservation projects.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 543.

**HIS 544 Early Modern Europe: Selected Topics 3**

Varying topics in early modern European history, including Renaissance cities, Protestant Reformation, Catholic Reformation, court cultures, impact of printing, gender and identity and the Age of Discovery.

**Notes:** May be repeated once for credit when topic varies.

**HIS 546 American Cultural History: Selected Topics 3**

Varying topics in the creation and development of American culture including the role of technology, environment, ethnic diversity, and the history of ideas.

**Notes:** May be repeated once for credit when topic varies.

**HIS 547 History Museum Curatorship: Collections Management 3**

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 547.

**HIS 548 Architectural Conservation 3**

Overview of contemporary architectural conservation principles, practice and technology. A series of field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 548.

**HIS 551 Gender and History: Selected Topics 3**

Varying topics in Gender and History including Gender and Popular Culture; Gender, Labor, Race, and Class; History of Masculinity.

**Notes:** May be repeated once for credit when topic varies.

**HIS 555 Field Methods in Preservation Technology 3**

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 555.

**HIS 560 Nineteenth-Century Europe: Selected Topics 3**

Selected topics address comparative political, social, and economic development of major European states and changing power relationships from the defeat of Napoleon to the end of the First World War.

**Notes:** May be repeated once for credit when topic varies.

**HIS 564 Modern Britain: Selected Topics 3**

Varying topics in modern British history such as the industrial revolution, parliamentary reform, loss of one empire and the creation of a second, World War I and II.

**Notes:** May be repeated once for credit when topic varies.

**HIS 568 African History and Cultures through Film 3**

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

**Notes:** Same as LLC 568.

**HIS 571 Modern European Thought: Selected Topics 3**

Study of selected themes and/or problems in European intellectual and cultural history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 574 Modern Germany: Selected Topics 3**

Varying topics in modern German history including the Third Reich, Germany during World War I, Bismarckian Germany, ideology in Germany.

**Notes:** May be repeated once for credit when topic varies.

**HIS 575 Modern Russian History: Selected Topics 3**

Varying topics in modern Russian history, including "Great Reforms," industrialization, revolutionary movement, Marxism-Leninism, tsarist and Soviet foreign policy, Soviet politics, post-World War II changes, Gorbachev era, and end of Soviet Union.

**Notes:** May be repeated once for credit when topic varies.

**HIS 581 African History: Selected Topics 3**

Varying topics in African history including Central African Kingdoms, Pre-colonial West African Kingdoms, "Stateless" Societies of Africa.

**Notes:** May be repeated once for credit when topic varies.

**HIS 588 East Asian History: Selected Topics 3**

Varying history in East Asian history: a detailed examination of specific social, economic, political and intellectual facets of Chinese, Korean and Japanese history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 624 History of American Landscapes and Architecture 3**

Examination of the social and cultural forces affecting the design and use of landscapes and buildings in North America from the colonial period through the mid-twentieth century.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 624.

**HIS 625 Preservation Planning and Law 3**

Examination and analysis of the relationship of government programs and policies, community and regional planning strategies, and legal case precedents to the field of historic preservation.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 625.

**HIS 626 The Practice of Public History 3**

Basic principles in the administration of museums, historic sites, and other cultural resources. Subjects include fundraising, personnel and volunteer management, working with board members, and museum law and ethics.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 626.

**HIS 627 Museum and Historic Site Interpretation: Principles and Practice 3**

Theory and practice of interpreting history to the public in the context of museums and historic sites. Topics include exhibit planning and technologies, living history, research methods, and audience evaluation.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as IAR 627.

**HIS 629 Museum Education 3**

Survey of the principles and practices of museum education. Explores the kinds of learning that occur in museums and how educational programming can engage diverse audiences.

**Prerequisites:** Admission to graduate study in history or interior architecture, or permission of instructor.

**HIS 631 Digital History 3**

This seminar explores the possibilities and challenges of doing history in digital spaces. Students will gain hands-on training in tools and practices and will design original digital public history projects.

**Prerequisites:** Restricted to graduate students in the History/Museum Studies or PhD Program, unless by written permission of the instructor.

**HIS 633 Community History Practicum 3**

Hands-on course, students work corroboratively and engage community partners as they research, design, and complete public projects that engage audiences in local/regional history.

**Prerequisites:** HIS and IAR graduate students who have completed HIS 626/IAR 626, or permission of instructor.

**HIS 690 Internship 3**

Supervised professional experience in selected museum, historic site, or other professional setting in accordance with the major course of study of the student. May be repeated for a maximum of 6 credits.

**Prerequisites:** At least 12 hours in history MA or interior architecture MS program and permission of Director of Graduate Study.

**Notes:** Grade: Satisfactory/Unsatisfactory, S/U. Same as IAR 690.

**HIS 692 Advanced Topics in History 3**

Topics in history and thematic topics not otherwise covered at the graduate level.

**Prerequisites:** Admission to graduate study in history and permission of instructor.

**Notes:** For details see the Director of Graduate Study.

**HIS 697 Directed Reading 1-4**

A directed program of reading and research, available to the qualified student upon the recommendation of an instructor and the department head.

**Prerequisites:** Admission to graduate study in history and permission of instructor and Director of Graduate Study.

**HIS 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**HIS 701 Colloquium in American History before 1865 3**

Issues of historical interpretation from the Colonial era through the Civil War.

**HIS 702 Colloquium in American History after 1865 3**

Issues of historical interpretation from Reconstruction to the present.

**Prerequisites:** Admission to graduate study in history.

**HIS 703 M.A. Research Project I 3**

Research and writing on selected topics in American history.

**HIS 704 M.A. Research Project II 3**

Research and writing on selected topics in American history.

**HIS 705 Colloquium in European History before 1789 3**

Topics in European social, economic, political and intellectual history from the Middle Ages to the French Revolution. Methodology and the diversity of historical approaches.

**Prerequisites:** Admission to graduate study in history.

**HIS 706 Colloquium in European History since 1789 3**

Interpretations of selected historical problems from the French Revolution to the present.

**Prerequisites:** Admission to graduate study in history.

**HIS 709 Introductory Research Seminar 3**

Will focus on methods, sources, and writing; research paper based on primary and contextualized in secondary sources.

**Prerequisites:** Admission to graduate study in history.

**Notes:** May be repeated once for credit when topic varies.

**HIS 710 Colloquium in the Atlantic World 3**

Introduction to the history of the Atlantic trading system, the historiography of Atlantic World studies, and comparative, cross-cultural approaches to historical research.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**HIS 712 Slavery in the Americas 3**

Comparative analysis of slavery and race relations in South and Central America, the Caribbean, British North America, and the United States, 1501-1888.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**HIS 713 African Americans after Slavery 3**

African American history during the Civil War, Reconstruction, the era of Jim Crow, the civil rights and post-civil rights eras.

**HIS 714 Varieties of Teaching 3**

Introduction to college level teaching in history with attention to syllabi, lecturing, examinations, discussions, grading, and responding to student input. Students participate in teaching actual courses.

**Notes:** Grade: Satisfactory/Unsatisfactory, S/U.

**HIS 715 Atlantic World: Selected Topics 3**

Topics include European migration, comparative colonization, African diaspora, and "underdevelopment" in Latin America and Africa.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**HIS 716 Graduate Colloquium in World History 3**

Introduction to World history, the historiography of World studies, and comparative, cross-cultural approaches to historical research.

**HIS 720 Public History Capstone I 3**

Conceiving, researching, planning, and creating an original public history project, the first part of a two-semester sequence.

**Prerequisites:** Students must have completed 15 hours of graduate level course credits.

**HIS 721 Public History Capstone II 3**

Conceiving, researching, planning, and creating an original public history project, the second part of a two-semester sequence.

**Prerequisites:** HIS 720.

**HIS 722 Early America: Selected Topics 3**

Topics in early American history from New World encounters, popular culture, race, gender, religion, or politics to 1800.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**HIS 723 Selected Topics in Nineteenth-Century United States History 3**

Varying topics that explore political, social, economics, intellectual, cultural, or religious history of nineteenth-century U.S. History.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**HIS 724 Selected Topics in Twentieth-Century American History 3**

Major developments in the political, social, and cultural history of the United States since 1900.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**HIS 740 Selected Topics in European History 3**

Varying topics that explore political, social, economic, intellectual, cultural, or religious history of European History.

**Prerequisites:** Admission to graduate study in history or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**HIS 750 PhD Readings Course 3-9**

Designed to provide doctoral students with a program of focused readings in the student's field of study.

**Prerequisites:** Permission of Graduate Program Director.

**Notes:** Grading method is Satisfactory/Unsatisfactory (S/U).

**HIS 751 PhD Dissertation Proposal Course 3-9**

Students will develop a doctoral dissertation topic.

**Notes:** Grading method is Satisfactory/Unsatisfactory (S/U).

**HIS 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**HIS 801 Thesis Extension 1-3**

Thesis Extension.

**HIS 802 Dissertation Extension 1-3**

Dissertation Extension.

**HIS 803 Research Extension 1-3**

Research Extension.

## **Honors Programs (HSS)**

**HSS 100 Honors College Foundations Seminar 3**

An intensive focus on the successful transition to UNCG and to the Honors College, combining university transition content, information literacy, and transferable skills acquisition to facilitate academic and personal development.

**MAC:** MAC Foundations

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 102 First-Year Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 103 First-Year Seminar in the Physical Sciences 3**

Study of physical sciences with attention to the methods of scientific investigation.

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 105 First-Year Seminar in the Fine Arts 3**

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

**MAC:** MAC Oral Communication

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 106 First-Year Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 108 First-Year Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 109 First-Year Seminar in Reasoning and Discourse 3**

Study of intellectual discourse, including the construction, analysis, and synthesis of cogent arguments.

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 112 First-Year Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**MAC:** MAC Oral Communication

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 116 First-Year Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 118 First-Year Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 121 First-Year Seminar in Historical Perspectives: Premodern 3**

Historical study of human culture from ancient times to the 17th century.

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 122 First-Year Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**MAC:** MAC Oral Communication

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 125 First-Year Seminar in the Fine Arts 3**

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 127 First-Year Seminar in Literature 3**

Study of works of literature and the social and historical contexts from which they come.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 128 First-Year Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only.

**HSS 138 First-Year Seminar in Cultural Anthropology 3**

Cultural anthropology attempts to stimulate interest in basic questions about human nature and human adaptation, including major theoretical approaches, the nature of field work, and an examination of selected topics.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Admission to Lloyd International Honors College. open to first-year students only;

**Notes:** Students may not receive credit for both ATY 113 and HSS 138.

**HSS 140 Honors College Written Communication Seminar 3**

An intensive focus on the teaching and learning of transferable writing strategies, including invention, arrangement, style, and revision.

**MAC:** MAC Written Communication

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 141 Honors College Oral Communication Seminar 3**

An intensive focus on student development of oral communication knowledge and abilities, including presenting and interacting in contexts such as public speaking, interpersonal communication, and group communication.

**MAC:** MAC Oral Communication

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 142 Honors College Quantitative Reasoning Seminar 3**

An intensive focus on the application of mathematical reasoning to formulate and solve problems from a variety of contexts and real-world situations.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 143 Honors College Health and Wellness Seminar 3**

An intensive focus on the intersection of health and wellness and information literacy, with explicit instruction in how to understand decisions as they impact the health and wellness of individuals or communities.

**MAC:** MAC Health and Wellness

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 144 Honors College Critical Thinking in the Humanities and Fine Arts Seminar 3**

An intensive focus on foundational tools for reasoning, including constructing sound arguments; evaluating the quality of evidence; and forming judgments about the evidence, arguments, and conclusions of others in Humanities and Fine Arts disciplines.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 145 Honors Critical Thinking and Inquiry in the Social and Behavioral Sciences Seminar 3**

An intensive focus on foundational tools for reasoning, including constructing sound arguments; evaluating the quality of evidence; and forming judgments about the evidence, arguments, and conclusions of others in Social and Behavioral Sciences disciplines.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 146 Honors Critical Thinking and Inquiry in the Natural Sciences Seminar 3**

An intensive focus on explaining, predicting, and reasoning about the behavior of natural systems, or the outcomes of observations or measurements; using arguments based on established scientific principles and models; and developing, deepening, refining, or extending concepts, principles, and models to explain natural systems, based on empirical observations.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 147 Honors Global Engagement and Intercultural Learning Seminar****3**

An intensive focus on knowledge and critical understanding of similarities and differences across world cultures over time, emphasizing the development of global perspectives and skills to engage cross-culturally.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 148 Honors Diversity and Equity Seminar 3**

An intensive focus on systems of oppression, structures of power, and institutions, with connections to US or global societies and the examination of intellectual traditions that address systems of injustice.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 149 Honors Data Analysis and Interpretation in the Natural Sciences****Seminar 3**

An intensive focus on the role of quantitative data analysis and interpretation of empirical information in the development of scientific theories and models.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** Restricted to students in Lloyd International Honors College. Open to freshmen only or can enroll by Written Permission.

**HSS 198 Honors Colloquium 1**

Introduction to a liberal education in a global context, to cultural self-awareness and shock, and to methods for taking ownership of one's own education.

**Prerequisites:** Must be taken in the first semester after being admitted to Lloyd International Honors College.

**Notes:** Grade: Pass/Not Pass (P/NP).

**HSS 201 Seminar in Historical Perspectives: Premodern 3**

Historical study of human culture from ancient times to the 17th century.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 202 Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**MAC:** MAC Written Communication

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 203 Seminar in the Physical Sciences 3**

Study of physical sciences with attention to the methods of scientific investigation.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 204 Seminar in the Life Sciences 3**

Study of life sciences with attention to the methods of scientific investigation.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 205 Seminar in the Fine Arts 3**

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 206 Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 207 Seminar in Literature 3**

Study of works of literature and the social and historical contexts from which they come.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 208 Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 209 Seminar in Reasoning and Discourse 3**

Study of intellectual discourse, including the construction, analysis, and synthesis of written, oral, and/or visual arguments.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 212 Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 215 Seminar in the Fine Arts: Global Non-Western 3**

Study of selected topics in Global Non-Western fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 216 Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 217 Seminar in Literature 3**

Study of works of literature and the social and historical contexts from which they come.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 218 Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 221 Seminar in Historical Perspectives: Premodern 3**

Historical study of human culture from ancient times to the 17th century.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 222 Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 223 Seminar in the Physical Sciences 3**

Study of physical sciences with attention to the methods of scientific investigation.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 224 Seminar in the Life Sciences 3**

Study of life sciences with attention to the methods of scientific investigation.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 225 Seminar in the Fine Arts 3**

Study of selected topics in the fine arts, which include painting, sculpture, cinema, dance, music, theatre, architecture, and design.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 226 Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 227 Seminar in Literature 3**

Study of works of literature and the social and historical contexts from which they come.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 228 Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated for credit when topic varies.

**HSS 240 Honors College Written Communication Seminar 3**

An intensive focus on the teaching and learning of transferable writing strategies, including invention, arrangement, style, and revision.

**MAC:** MAC Written Communication

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 241 Honors College Oral Communication Seminar 3**

An intensive focus on student development of oral communication knowledge and abilities, including presenting and interacting in contexts such as public speaking, interpersonal communication, and group communication.

**MAC:** MAC Oral Communication

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 243 Honors College Health and Wellness Seminar 3**

An intensive focus on the intersection of health and wellness and information literacy, with explicit instruction in how to understand decisions as they impact the health and wellness of individuals or communities.

**MAC:** MAC Health and Wellness

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 244 Honors College Critical Thinking in the Humanities and Fine Arts Seminar 3**

An intensive focus on foundational tools for reasoning, including constructing sound arguments; evaluating the quality of evidence; and forming judgments about the evidence, arguments, and conclusions of others in Humanities and Fine Arts disciplines.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 245 Honors Critical Thinking and Inquiry in the Social and Behavioral Sciences Seminar 3**

An intensive focus on foundational tools for reasoning, including constructing sound arguments; evaluating the quality of evidence; and forming judgments about the evidence, arguments, and conclusions of others in Social and Behavioral Sciences disciplines.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 246 Honors Critical Thinking and Inquiry in the Natural Sciences Seminar 3**

An intensive focus on explaining, predicting, and reasoning about the behavior of natural systems, or the outcomes of observations or measurements; using arguments based on established scientific principles and models; and developing, deepening, refining, or extending concepts, principles, and models to explain natural systems, based on empirical observations.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 247 Honors Global Engagement and Intercultural Learning Seminar 3**

An intensive focus on knowledge and critical understanding of similarities and differences across world cultures over time, emphasizing the development of global perspectives and skills to engage cross-culturally.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 248 Honors Diversity and Equity Seminar 3**

An intensive focus on systems of oppression, structures of power, and institutions, with connections to US or global societies and the examination of intellectual traditions that address systems of injustice.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 249 Honors Data Analysis and Interpretation in the Natural Sciences****Seminar 3**

An intensive focus on the role of quantitative data analysis and interpretation of empirical information in the development of scientific theories and models.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** Restricted to students in Lloyd International Honors College.

**Notes:** May be repeated once for credit when topic varies.

**HSS 299 Honors International Experience 0**

Students report on their Honors International Experience to students in HSS 198 through a combination of oral reports and written materials.

**Prerequisites:** Admission to Lloyd International Honors College and previously undertaken approved Honors International Experience.

**Notes:** Grade: Pass/Not Pass (P/NP).

**HSS 300 Interdisciplinary Honors Seminar 3**

Interdisciplinary seminar focusing on a particular theme or topic and taught by two faculty members from different disciplines or schools. Topic varies each semester.

**Prerequisites:** Admission to Lloyd International Honors College or permission of the Dean.

**Notes:** May be repeated for credit as topic changes.

**HSS 310 Honors Abroad 3**

Exploration of the culture of another country, done on site in the country and under the guidance of a UNCG faculty member (usually through UNCG's Student Exchange Program).

**Prerequisites:** Admission to Lloyd International Honors College or permission of the Dean.

**Notes:** Special requirements: travel to the host country. May be repeated for credit when topic varies.

**HSS 320 Honors Tutorial 1-3**

Students (usually 4 or 5) meet with a faculty member to explore an agreed upon set of topics. The faculty member will guide the discussion.

**Prerequisites:** Admission to Lloyd International Honors College or permission of the Dean.

**Notes:** May be repeated once for credit if the topic of study changes.

**HSS 330 Honors Independent Study 1-3**

Student consults with a supervising faculty member to develop a program of concentrated study and investigation within a particular discipline.

**Prerequisites:** Admission to Lloyd International Honors College.

**Notes:** May be repeated once for credit if the topic of study changes.

**HSS 400 Senior Honors Seminar 3**

Provides qualified students with the opportunity to study special topics in an advanced seminar setting with the rigorous and intense discipline implied at the senior level.

**Prerequisites:** Admission to Lloyd International Honors College or permission of the Dean.

**HSS 490 Senior Honors Project 3**

Independent original scholarship, completed under the supervision of a faculty member. Work culminates in an original essay, annotated creative work or performance, scientific report, or other special project.

**Prerequisites:** Senior status and admission to Lloyd International Honors College.

**Notes:** May be repeated for up to nine (9) credit hours.

**HSS 499 Washington Internship 6-9**

Field learning experience in governmental or private organizations in Washington, DC. Students will generate products such as briefings, research memoranda, and policy analyses.

**Corequisites:** HSS 330 independent study or equivalent 3 s.h. independent study in any department .

# **Hospitality and Tourism Management (HTM)**

**HTM 102 Introduction to Hospitality and Tourism Management 3**

Overview of the products, services and experiences provided by the various sectors of tourism and hospitality industries, including lodging, restaurants, attractions, destination management. Introduction to the roles of industry managers at all organizational levels.

**HTM 103 Introduction to Esports Management 3**

Overview of the Esports industry and the fundamentals of effective Esports management. Students will explore the history, growth, current management practices, stakeholders, and future of Esports. Students will explore career opportunities in Esports management.

**HTM 200 Introduction to Sustainable Development 3**

Explores the social, environmental, and economic dimensions of sustainable development; introduces sustainable development concepts and challenges; prepares students for the application of these concepts in functional business contexts.

**MAC:** MAC Global and Intercultural

**HTM 201 Corporate Social Responsibility and Change Management 3**

Students explore how stakeholders define, measure, and assign value to corporate efforts in social responsibility. Skill development in managing change and innovation, stakeholder partnerships, social media, and volunteerism.

**HTM 231 Tourism, Cultures, and Places 3**

A study of tourism as a vehicle for increasing understanding of cultural differences and spatial interaction within and between different ethnic, linguistic, and religious groups across the world.

**MAC:** MAC Global and Intercultural

**HTM 250 Diversity and Equity in Hospitality, Tourism and Esports 3**

Diversity and equity issues in hospitality, tourism and Esport management. Political, social, and cultural variables impacting hospitality supervision and human resources.

**HTM 310 Hotel Operations 3**

Exploration of lodging operations and management, which include hotels, resorts, cruise ships, and rentals. Topics include revenue-management, forecasting, budgeting, measuring operational and employee performance, ethics, sustainability and property management technology.

**HTM 312 Hospitality Facilities Management 3**

An overview of managing hospitality facilities such as restaurants, hotels, and attractions. Students learn to communicate functional goals from an operator's viewpoint such as operating costs for various types of facilities, types and characteristics of major building systems, and sustainable aspects of building equipment and management.

**HTM 313 Revenue Management 3**

Applies economic principles of demand and supply to hotel and resort revenue management; addressing sources of revenue, inventory control, pricing decisions, customer relationships, sustainability and strategic partnerships.

**HTM 314 Sustainable Food and Craft Beverage 3**

Explores the evolution of food and beverage as a commodity; ethical issues of industrializing and globalizing foodservice systems; strategies for successfully incorporating sustainability and ecogastronomy into commercial food and beverage operations.

**HTM 332 Sustainable Destination and Experience Management 3**

Introduction to the management of sustainable tourism destinations. Students will be exposed to the entire destination and experience management process including basic concepts, planning, development, management, and marketing of tourism experiences.

**HTM 335 Sustainable Tourism and Transportation 3**

Explores transportation networks utilized by the global tourism sector; their social, economic, and environmental dimensions, associated trends, associated negative impacts and resource usage, and opportunities for planning sustainable transportation networks.

**Notes:** Same as GES 331.

**HTM 338 Global Franchising 3**

This course introduces the student to opportunities in franchising including becoming a franchisee or franchisor.

**Prerequisites:** ACC 201 or ENT 200/FIN 200.

**Notes:** Same as ENT 338, BUS 338.

**HTM 364 Restaurant Entrepreneurship 3**

Students will explore the role of entrepreneurship in the hospitality and tourism industry, determine risks and rewards of self-employment, and develop business concepts based on the hospitality and/or tourism skill set.

**Prerequisites:** Junior or senior standing.

**Notes:** Same as ENT 354.

**HTM 401 Hotel and Travel Services Sales and Marketing 3**

Explores marketing of tourism and hospitality services with an emphasis on matching tourism and hospitality products to visitor demand, while achieving organizational sustainability objectives.

**Prerequisites:** HTM 332 or MKT 320.

**HTM 419 Independent Study in Hospitality, Tourism and Esports 3**

Independent research experience conducted by individual students under the supervision of a selected program faculty member.

**Prerequisites:** HTMT major and department approval.

**Notes:** May be repeated once for a total of 6 s.h.

**HTM 427 Internship in Hospitality, Tourism and Esports Management 3**

This internship enables HTMT students to gain valuable work experience within the hospitality, tourism or Esports industries. 100 supervised clock hours required for completion of this 3-credit course.

**Prerequisites:** HTMT major.

**HTM 433 Esports, Meeting and Event Tourism 3**

Explores community tourism management with a focus on destination event portfolios, including travel involving Esports, Meetings and Events. Students learn to plan and execute these events and develop a community event portfolio management.

**HTM 442 Community-Based Sustainable Tourism Planning 6**

Theory and practical applications of tourism planning, which includes market analysis, infrastructure proposal and development, and implementation strategies. International travel required.

**Prerequisites:** Minimum 2.0 GPA.

**Notes:** May be repeated once for credit.

**HTM 451 Service Management 3**

Integration of service systems management, human behavior, and marketing in the creation, delivery, and assurance of service quality and customer service.

**Notes:** Same as ENT 451.

**HTM 474 Wine Appreciation for the Business Professional 3**

Introduction to the wine industry. Topics include pairing of wine and food in hospitality venues, history, geography, economics, health, and legal issues associated with wine.

**Notes:** Same as ENT 473. Must be 21 years old or older.

**HTM 488 Special Topic in Resorts and Entertainment Attractions 3**

A review of current trends and management topics related to entertainment attractions, including esports, theme parks, spectator sports, theaters, concert venues, and resorts. This course includes practical experience with reflection and discussion.

**Prerequisites:** Department approval.

**HTM 491 Hospitality, Tourism and Esport Strategic Management 3**

A capstone case course where students utilize the integration of knowledge and skills, acquired throughout their course work, through the strategic management process to address issues facing hospitality, tourism and Esport organizations.

**Prerequisites:** HTMT major. Senior standing.

## **Human Development and Family Studies (HDF)**

**HDF 111 Human Development Across the Life Span 3**

Study of how development unfolds in diverse contexts and cultures from conception to death and how individual characteristics, relationships, and social settings influence cognitive, social, and psychological development.

**MAC:** MAC CritThink Soc and BehavSci

**Notes:** Students may not receive credit for both HDF 111 and PSY 250.

**HDF 112 Families and Close Relationships 3**

Issues related to singlehood, partnership, and family relationships over time. Topics include love, sexual intimacy, dating, cohabitation, marriage, remarriage, parenting, divorce, and family violence.

**MAC:** MAC CritThink Soc and BehavSci

**HDF 201 Development of School-Age Children 3**

Introduction to physical, social-emotional, and cognitive development of children age 5 to 12. Influence of families, culture, race/ethnicity, and teacher/school characteristics on children's development and school experiences emphasized.

**MAC:** MAC CritThink Soc and BehavSci

**HDF 202 Infant and Child Development 3**

An examination of development from conception through middle childhood across family, context, and culture. Explores variability in individual development and factors related to health and well-being.

**MAC:** MAC Health and Wellness

**HDF 203 Adolescent Development: From Puberty to Young Adulthood 3**

An examination of development from early adolescence into young adulthood across family, context, and culture. Explores how political, social, and cultural systems shape development of adolescents and young adults from diverse backgrounds.

**MAC:** MAC Diversity and Equity

**HDF 204 Adult Development 3**

An examination of development from early through late adulthood across family, context, and culture. Explores individual and systemic variability in development and well-being.

**MAC:** MAC Health and Wellness

**HDF 221 Issues in Parenting 3**

Examination of parenting behaviors from infancy through young adulthood across family, context, and culture. Explores how political, social, and cultural systems shape parenting choices, options, and experiences.

**MAC:** MAC Diversity and Equity

**HDF 250 Introduction to Birth through Kindergarten Education and Programs 3**

Introduction to Birth through Kindergarten programs and careers. Discussion of development from birth to six and developmentally appropriate practice. Overview and observations of program types for children with and without disabilities.

**HDF 315 Assessment and Planning for Inclusive B-K Programs 4**

Theoretical, practical, ethical issues in observing, assessing, and planning for young children with and without disabilities. Individualized approaches for program planning and monitoring development are integrated.

**Prerequisites:** HDF 111, HDF 112, and HDF 202. Pr. or Coreq.: SES 242 and HDF 250;

**Notes:** Same as SES 315.

**HDF 330 Family Diversity 3**

Study of the variation within and between families through an exploration of the similarities and differences according to culture, race/ethnicity, class, gender, family structure, and sexual orientation.

**Prerequisites:** Grade of C- or better in HDF 111, HDF 112, HDF 202, or HDF 203 or HDF 204. 2.50 GPA in the major.

**HDF 341 Social Emotional Competence in Inclusive Settings 3**

Social, emotional, and physical environments of inclusive early childhood settings (birth to kindergarten) and their role in promoting optimal development and successful learning.

**Prerequisites:** HDF 111, HDF 112, and HDF 202. Pr. or Coreq.: SES 242 and HDF 250;

**Notes:** Same as SES 341.

**HDF 375 Research Methods in Human Development and Family Studies 3**

An introductory examination of human development and family research methods designed to provide an understanding of scientific inquiry, methodology, measurement, test construction, scaling, and statistical terms and techniques.

**Prerequisites:** STA 108. Grade of C- or better in HDF 111, HDF 112, HDF 202, or HDF 203 or HDF 204; 2.50 GPA in the major.

**HDF 377 Professional Development in HDFS 3**

Development of professional skills and exploration of careers related to individuals and families. Should be taken in the senior year the semester immediately preceding HDF 499.

**Prerequisites:** Grade of C- or better in HDF 111, HDF 112, HDF 202, or HDF 203 or HDF 204. 2.50 GPA in the major, senior standing, permission of instructor.

**HDF 390 Families and Children in Global Perspective 3**

A study of Asian, African, Latin American, and Eastern European families and children, focusing on family structure, gender roles, and socialization practices within their socioeconomic, historical, and cultural context.

**Prerequisites:** HDF 111 and HDF 112.

**HDF 401 Special Problems in Human Development and Family Studies**

1-6

Individual study. Conference hours to be arranged.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topics vary.

**HDF 407 Issues Affecting Women and Families 3**

Study of cultural influences on definitions and roles of women in families and work, including impact of educational, scientific, religious, and legal institutions. Exploration of issues affecting women and families.

**Prerequisites:** Grade of C- or better in HDF 111, HDF 112, HDF 202, or HDF 203 or HDF 204. 2.50 GPA in the major.

**HDF 420 Birth to Kindergarten Teaching Practicum I 3**

Introduction to teaching; requires six (6) hours per week placement in ECE classroom for typical and atypical children. Assignments include developing activities, tracking children's learning, and reflecting on personal professional growth.

**Prerequisites:** Grade of C+ or better in HDF/SES 315 and HDF/SES 341. 2.60 GPA.

**HDF 425 Infants and Toddlers: Development, Learning, and Curriculum 3**

Theories, principles, methods, and issues related to infant and toddler development and inclusive programs. An emphasis on integrating knowledge with skills to design, implement, and evaluate programs will be taken.

**Prerequisites:** SES 242. Grade of C+ or better in HDF/SES 315 and HDF/SES 341; 2.60 GPA;

**Notes:** Same as SES 425.

**HDF 435 Preschool: Development, Learning, and Curriculum 3**

In-depth examination of typical and atypical development of diverse preschool-age children. Integrated teaching strategies and effective inclusive learning environments will be emphasized.

**Prerequisites:** SES 242. Grade of C+ or better in HDF/SES 315 and HDF/SES 341; 2.60 GPA;

**Notes:** Same as SES 435.

**HDF 436 Kindergarten: Development, Learning, and Curriculum 3**

In-depth examination of current policies and practices in public school kindergartens. Development of children with and without disabilities and appropriate teaching strategies in kindergarten will be emphasized.

**Prerequisites:** SES 242. Grade of C+ or better in HDF/SES 315 and HDF/SES 341; 2.60 GPA;

**Notes:** Same as SES 436.

**HDF 440 Birth to Kindergarten Teaching Practicum II 3**

Includes six (6) hour placement in ECE with typical and atypical children. Personal growth as a teacher will be highlighted. Assignments include activity planning for individual children's learning, growth, and development.

**Prerequisites:** Grade of C+ or better in HDF 420. 2.60 GPA.

**HDF 445 Current Family Theory and Research 3**

Seminar designed to examine current issues in family studies. Emphasis placed on theories and current research literature. Writing and editing are emphasized.

**Prerequisites:** HDF 202, HDF 203, HDF 204, and HDF 375. 2.50 GPA in the major.

**HDF 450 Professional Experience in Early Childhood 6**

Supervised professional experience for students working with children in early childhood settings.

**Prerequisites:** Grade of C+ or better in HDF 440, HDF/SES 425, HDF/SES 435, and TED 416. 2.60 GPA and permission of instructor.

**HDF 455 Current Developmental Theory and Research 3**

Seminar designed to examine current issues in development. Emphasis placed on current research literature, theories, and applications across the lifespan. Writing and editing are emphasized.

**Prerequisites:** HDF 202, HDF 203, HDF 204, and HDF 375. 2.50 GPA in the major.

**HDF 460 Supervised Student Teaching 9**

Supervised student teaching in an infant and/or toddler, preschool, or kindergarten setting under direction of a cooperating teacher with university supervision.

**Prerequisites:** Grade of C+ or better in KIN 342, HDF/SES 425, HDF/SES 435, HDF/SES 436, HDF 440, TED 416. 3.0 GPA; admission to the Teacher Education Program, and permission of instructor;

**Corequisites:** HDF 461.

**HDF 461 Student Teaching Seminar 3**

This course is designed to accompany the student teaching experience. The foci of the seminar will be to prepare students to complete all state licensure requirements including edTPA and to provide facilitated opportunities to discuss student teaching experiences as well as to prepare students for the educational job market.

**Prerequisites:** Grade of C+ or better in KIN 342, HDF/SES 425, HDF/SES 435, HDF/SES 436, HDF 440, TED 416. 3.0 GPA; admission to the Teacher Education Program, and permission of instructor;

**Corequisites:** HDF 460.

**HDF 464 Advanced Family and Developmental Studies Seminar 3**

In-depth study of selected topics in Human Development and Family Studies. Particular section content is determined by the instructor.

**Prerequisites:** HDF 202, HDF 203, HDF 204, and HDF 375. 2.50 GPA in the major;

**Notes:** May be repeated once for a total of six (6) credit hours when topic varies.

**HDF 468 Diversity in Inclusive Early Care and Education 3**

In-depth analysis of the issues, challenges, and recommended practices related to effectively serving diverse populations of young children and their families in inclusive early care and education settings.

**Prerequisites:** HDF 450 or HDF 460, or concurrent enrollment in HDF 450 or HDF 460. or permission of instructor; 2.60 GPA;

**Notes:** Same as SES 468.

**HDF 470 Leadership in Early Education 3**

Identifying characteristics of leaders and effective leadership styles and how these can be applied in early care and education. Prepares students to advocate best practice in a community-based environment.

**Prerequisites:** HDF 450, or HDF 460, or permission of instructor. 2.60 GPA.

**HDF 482 Administration of Dependent Care Programs 3**

Major areas of planning and administering dependent care programs, including programming, scheduling, reporting, financing, housing, equipping, staffing, and working with families.

**Prerequisites:** Grade of C+ or better in HDF/SES 315 and HDF/SES 341. 2.60 GPA.

**HDF 499 Supervised Professional Experience 1-6**

Supervised professional experience in selected commercial or industrial organizations, public or private agencies.

**Prerequisites:** HDF 377. 2.50 GPA in the major; and permission of instructor;

**Notes:** May be repeated for up to six (6) credit hours.

**HDF 601 Directed Individual Study in Human Development and Family Studies 1-6**

Prerequisite: 6 credit hours of HDF graduate courses and permission of instructor.

**HDF 602 Special Topics in Human Development and Family Studies 2-4**

Designated special topics such as Child Care Administration, Parent Education, Practicum, Child Guidance.

**Notes:** May be repeated for credit.

**HDF 603 Research Laboratory Practicum in Human Development and Family Studies 1**

Supervised practicum experiences in planning, designing, and implementing research investigations in the field of human development and family studies.

**Notes:** Students must obtain approval of a supervising graduate faculty member before registering. May be repeated for credit. credit cannot be used to meet minimum hour requirements of a degree program. Grade: Satisfactory/Unsatisfactory (S/U).

**HDF 606 Preschool-Kindergarten Learning in Inclusive Settings 4**

In-depth exploration of the principles of early childhood care and education and learning strategies for preschool/kindergarten children with and without disabilities. Field placements in BK setting are required.

**Prerequisites:** Admission to BKISED degree program and SES 601.

**Notes:** Same as SES 606.

**HDF 607 Infant-Toddler Learning in Inclusive Settings 4**

An examination of development in infancy and toddlerhood and strategies for facilitating very young children's growth and learning in early childhood care and educational settings. Field placement required.

**Prerequisites:** HDF or SES major or permission of instructor.

**Notes:** Same as SES 607.

**HDF 633 Advanced Curriculum in Early Childhood Education 3**

Examination of theoretical and developmental foundations of early childhood curriculum approaches, including critique of accepted early childhood practices, action research, and published research in curriculum and program effectiveness.

**HDF 634 Contemporary Issues in Early Childhood Policy 3**

Analysis of how federal, state, and local policies impact early childhood programs, early childhood professionals, children, and families.

**HDF 636 Leadership and Mentoring in Educating Young Children 3**

Examination of advanced leadership, mentoring, lifelong learning, and teaching skills for those who develop and implement early childhood programs.

**HDF 637 Administration of Early Care and Education Programs: Financial and Personnel Management 4**

This course will address knowledge and skills needed to administer early childhood programs, with a focus on personnel and financial management within child care centers. Organizational structures will be reviewed and critiqued. Students will learn how to develop and implement program policies, meet legal requirements, and promote best practices when administering programs.

**Prerequisites:** SES 601.

**HDF 640 Professional Seminar 1**

Conceptual and methodological perspectives of multidisciplinary study in the field of human development and family studies. Required of all first-year master's and doctoral students.

**HDF 650 Theory and Research in Early Childhood 3**

Examination of theory and current research pertaining to the development of children from birth through kindergarten within the context of the family, community, and larger society.

**Prerequisites:** ERM 604 and SES 601.

**HDF 651 Contemporary Research in Human Development 3**

Examination of contemporary research findings in the field of human development.

**HDF 652 Theories of Human Development and Family Studies 3**

Survey of selected theories of human development and family studies.

**HDF 653 Contemporary Research in Family Studies 3**

Examination of contemporary research findings in the field of family studies.

**HDF 655 Family Theory 3**

Theories that relate to studying families; linking conceptual ideas, theorizing, and research examples relevant to families.

**HDF 656 Race, Class, and Culture 3**

Examination and application of theory and research related to racial/ethnic, social class, and cultural issues; self-awareness and cultural competence are emphasized.

**Prerequisites:** HDF 651, 652, 653 or 655 or permission of instructor.

**HDF 661 Professional Seminar II 2**

Professional activities and ethical responsibilities of university scholars; professional planning and time-management; writing; peer-review; extramural funding; diversity, equity, and inclusion in the academy; and research practices with human subjects.

**HDF 696 Supervised Professional Experience in Human Development and Family Studies 1-6**

Supervised professional experience in selected commercial or industrial organizations, public or private agencies. Completion of a major project or activities appropriate to the goals of the agencies.

**Prerequisites:** Permission of instructor.

**HDF 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**Prerequisites:** Permission of instructor.

**Notes:** Required of all candidates for the Master of Science degree. Credit may be divided over two or more semesters.

**HDF 703 Contemporary Topics in Human Development and Family Studies 3**

Advanced study of designated contemporary topics in Human Development and Family Studies.

**Prerequisites:** Doctoral standing or permission of instructor.

**Notes:** May be repeated for credit.

**HDF 713 Social and Emotional Development 3**

Integrates theory and research focusing on social-emotional growth across the lifespan. Importance of peer and family relations in personality development; social and emotional competence and adjustment difficulties.

**Prerequisites:** HDF 651 (or HDF 650) and HDF 652, or permission of instructor.

**Notes:** Same as PSY 715.

**HDF 714 Cognitive Development in Young Children 3**

Current theories and research on cognitive development from infancy through middle childhood; the development of language, thinking, conceptual representation, learning, memory, and executive functions.

**Prerequisites:** HDF 651 (or HDF 650 or HDF 654), HDF 652, or permission of instructor.

**HDF 715 Infant Development 3**

Principles of perceptual, motor, cognitive and socio-emotional development in infants and very young children.

**Prerequisites:** HDF 650 or HDF 651, HDF 652, or permission of instructor.

**HDF 716 Seminar in Adolescence 3**

Integrates theory, research, and practice focusing on dimensions of normative and problematic adolescent development within its ecological contexts.

**Prerequisites:** HDF 651 (or HDF 650) or permission of instructor.

**HDF 721 Seminar in Parent-Child Relations 3**

Synthesizes theoretical perspectives and current research on parent-child relations. Topics include: links between parenting and child outcomes, determinants of parenting, links between parenting and adult development/relationships. Integrates applied implications.

**Prerequisites:** HDF 651, HDF 652, and HDF 653. or permission of instructor.

**HDF 722 Families in Middle and Later Life 3**

This course examines family configurations and relationships as individuals move through middle and later life.

**Prerequisites:** Admitted to a graduate program or permission of instructor.

**HDF 723 Divorce, Remarriage, Cohabitation 3**

Integrates theory and research focusing on variations within and changes to family structures and processes (e.g., communication, intimacy, conflict management). Sociocultural variations within and across groups.

**Prerequisites:** HDF 653, HDF 655 or permission of instructor.

**HDF 725 Psychobiology of Human Development and Family Processes 3**

This seminar will focus on recent theoretical and empirical work on the genetic, physiological, and neural processes that play a role in human development and family functioning.

**Prerequisites:** HDF 651 (or HDF 650) and HDF 652, or permission of instructor.

**HDF 726 Close Relationships in Adulthood 3**

Interdisciplinary introduction to close relationships in adulthood, including the major theoretical perspectives scholars use to examine close relationships, the methods researchers employ, and the substantive foci that characterize the field.

**Prerequisites:** HDF 653 or HDF 644 or permission of instructor.

**HDF 730 Cross-Cultural Perspectives on Child Development 3**

Examines how culture influences children's development and also is influenced by members of that culture.

**HDF 740 Social Justice Research with Diverse Families 3**

Social justice theoretical perspectives and methods for studying diverse families including the variety of qualitative methods, analyses, and best practices that can be used to address contemporary social issues impacting families and their members.

**HDF 745 College Teaching in Human Development and Family Studies 2-3**

Introduction to college teaching through observation and exploration of issues for beginning teachers. Students are assigned to work with graduate faculty members.

**Prerequisites:** 2nd year master's student and above.

**Notes:** May be repeated with a different member of the graduate faculty. Grading method is Satisfactory/Unsatisfactory (S/U).

**HDF 750 Professional Seminar III 3**

Job search methods and strategies in human development and family studies for doctoral students including HDFS academic and non-academic jobs, fellowships, internships, and doctoral research grants.

**Prerequisites:** HDF 640, HDF 661.

**HDF 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**HDF 755 Advanced Theory in HDFS 3**

In-depth study of particular theories used to study children and families. Theories addressed will vary by instructor. May include mechanics of theory building and refining.

**Prerequisites:** HDF 652, HDF 655, or permission of instructor.

**HDF 756 Advanced Research Design in Human Development and Family Studies 3**

Methods and designs of research with individuals and families from problem specification, data collection and reduction, to data analysis.

**Prerequisites:** HDF core requirements and two graduate statistics courses or permission of instructor.

**Notes:** Core requirement for PhD degree.

**HDF 765 College Teaching Practicum in Human Development and Family Studies II 3**

Supervised experiences in planning, teaching, and evaluating a college-level course.

**Notes:** Student must obtain the approval of a supervising graduate faculty member before registering. May be repeated with a different member of the graduate faculty.

**HDF 790 Independent Doctoral Research 1-9**

Individual work related to the student's primary area(s) of specialization. Work may consist of empirical research or of critical reviews and integrations of existing literature.

**HDF 799 Dissertation 1-12**

Individual direction in the development and completion of a doctoral dissertation project.

**Prerequisites:** Permission of instructor.

**Notes:** Required of all candidates for the Ph.D.

**HDF 801 Thesis Extension 1-3**

Thesis Extension.

**HDF 802 Dissertation Extension 1-3**

Dissertation Extension.

**HDF 803 Grad Resrch Proj Ext 1-3**

Research Extension.

## Humanities (BLS)

**BLS 221 Know Slow - Countering the Culture of Speed 3**

This course examines the recent cultural movement of "slow," which includes Slow Food, Slow Looking, and Slow in the Arts, Literature, and Contemplative Practices. Slow arts and practices can help support students' metacognitive learning and their individual mental health and wellness.

**MAC:** MAC Health and Wellness

**BLS 222 Notes from Underground: Resistance and Everyday Culture 3**

Explores Cold War culture through the everyday ways Soviet citizens responded to official state narratives through literature, music, dress, and economic and consumer practices. Includes a comparative component with American culture of the same era.

**MAC:** MAC Global and Intercultural

**BLS 241 Visualizing Disability 3**

This course examines methods, drawn from core disability studies criticism, to analyze visual representations of disability. Students will compare cultural frameworks for representing disability in fine art and other forms of visual culture. Assigned readings draw connections between disability and other aspects of identity, especially gender.

**MAC:** MAC Diversity and Equity

**BLS 300 Seminar in Humanities 3**

Interdisciplinary online seminar designed to introduce students to substantive concerns in the Humanities and methods of investigation they employ. Topics vary by semester.

**Notes:** May be repeated for credit when topics vary.

**BLS 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**BLS 301 Pathways: Reading and Writing in the Humanities 3**

Introduction to different modes of enquiry that make up the Humanities: Literature, Fine Arts, Philosophy/Religion/Ethics, and History. Emphasis on the development of academic skills in an online learning environment.

**CIC:** CIC College Writing

**BLS 320 Selected Topics: Literature 3**

Online course that examines selected topics in world literature exploring works of prose and/or poetry from diverse cultural traditions and periods. Topics vary by semester.

**Notes:** May be repeated for credit when topics vary.

**BLS 321 Narrative Ethics: Literary Texts and Moral Issues in Medicine 3**

Exploration of individual experience, interpersonal relationships, and cultural identity through the reading and critical analysis of works of short fiction from the 19th through the 21st centuries.

**BLS 322 Revolutionary Lives 3**

Examination of 19th–20th century Russian novels of conscience within their historical contexts and as related to the broader struggle between authority and conscience throughout history.

**BLS 323 Short Reads 3**

21st-century stories and other short writings from around the world, with a focus on current social, cultural, and global issues.

**BLS 324 Banned Books 3**

A study of books that have been banned or censored in the US, the reasons for those restrictions, and the legal and social forces that opposed them.

**BLS 325 Mystery, Mayhem, and Murder 3**

Examination of mystery and detective fiction from British and American authors throughout the history of the genre. Considers theory about narrative and mystery, and genre fiction as social commentary.

**BLS 326 Telling Stories: The Memoir 3**

Examination and analysis of contemporary book-length memoirs, personal memory essays, and self-portrait paintings; includes some creative writing.

**BLS 327 Contemporary Asian Literature 3**

Exploration of novels by major authors from South Asia and East Asia in the last half century. Examines cultures and politics, and relationships with the Western world.

**BLS 340 Selected Topics: Fine Arts 3**

Online course that examines selected topics in the fine arts exploring the aims and methods of artistic expression and the role of cultural traditions and artistic values in human society.

**Notes:** May be repeated for credit when topics vary.

**BLS 342 Painting on the Page 3**

Studies literary texts about works of Western art; explores the relationship between the interpretation of pictures and written texts, and considers questions about art, beauty, truth, and aesthetic experience.

**BLS 343 Big Plays, Big Ideas 3**

Examines great plays, classic to modern, that grapple with significant issues and ideas, and illuminate the human experience on the page and on the stage.

**BLS 345 Photography: Contexts and Illusions 3**

Examines the history, theory, and contexts of photography since its development. Explores uses and abuses of photography in science, art, and media; examines how photography crosses and confuses visual genres.

**BLS 346 The Art of Life 3**

Explores the relationship between the creative arts and human values, ideas, and emotions. Theme of "getting lost" in the creative process, which leads to discovery and insight—the accidental masterpiece.

**BLS 347 Shakespeare Off the Page 3**

Examines a selection of Shakespeare's major plays not only as universal and timeless works of literature, but as blueprints for live theatre productions and film performances for modern audiences.

**CIC:** CIC College Writing

**BLS 348 Representing Women 3**

Focuses on women as producers, consumers, and subjects of visual culture. Examines the Feminist art movement, Feminist critiques of popular culture, and the significance of visual representation to political representation.

**BLS 360 Selected Topics: Philosophy/Religion/Ethics 3**

Online course that examines selected topics in philosophy, religion, and ethics; compares assumptions, modes of thought, and attendant practices, and analyzes their effects on behavior and human society.

**Notes:** May be repeated for credit when topics vary.

**BLS 361 American Dreams 3**

Study of the "American Dream," its origins and historical development through its contemporary relevancy. Themes include freedom, immigration, nationalism, commercialism, class in America, the Dream's corollary: the American Nightmare.

**BLS 362 Vice, Crime, and American Law 3**

An examination of the moral concept of "vice" and its application in American criminal law. Topics include gambling, prostitution, pornography, drugs, hate speech, and laws prohibiting gay marriage.

**BLS 363 Ethics and Technology 3**

An examination of ethical problems created by technology. Additional emphasis given to the historical, legal, and cultural impacts technology has had on our society.

**BLS 364 Mystics in America 3**

Investigation of popular trends in contemporary American spirituality with attention to the historical roots that may or may not lie behind them.

**BLS 365 Divided We Stand 3**

Exploration of the relationship between religion and democracy in America. Topics include religion in the nation's founding, America as a secular state, religious pluralism, and religion in public discourse.

**BLS 366 Life, Death, and Meaning 3**

An examination of philosophical writings concerning death and the meaning of life. Plays, poems, art, literature, and films that apply or illustrate the philosophical works are also examined.

**BLS 380 Selected Topics: Historical Perspectives 3**

Online course that examines selected topics in history and explores the context of events (social structure, economics, political systems, culture, or beliefs) in a specific region and period.

**Notes:** May be repeated for credit when topics vary.

**BLS 381 Old Europe/New Europe 3**

Interdisciplinary cultural history of Europe from the French Revolution to the present. Introduction to key historical figures, cultural movements, and artistic developments.

**BLS 382 The Sixties 3**

Exploration of the cultural and political changes in American society during the 1960s and early 1970s.

**BLS 383 Religious Resistance to Political Power 3**

Explores religious resistance to atheist Soviet doctrine within the Soviet Union itself, in Communist Poland, and in Soviet-occupied Afghanistan. Examines relationships between religion and society in each context.

**BLS 384 Great Trials in American History 3**

Explores changes in American culture, society, and legal customs through the study of specific trials throughout American history, from the colonial period through the twentieth century.

**BLS 385 American Motherhood 3**

Examines representations of motherhood throughout American history in the media and in scholarly and creative literature. Explores the mothering experiences of women of different races, classes, and generations.

**BLS 386 Women, War, and Terror 3**

Examines women as victims and critics of war and terror in the 20th century, primarily through autobiographical writings, and explores broader questions of gender, language, power, and resistance.

**BLS 387 Entrepreneurship in American History 3**

This course will examine entrepreneurs who shaped the contours of the American economy from the first transatlantic trade routes to the World Wide Web. We utilize entrepreneurship to analyze the development of American capitalism from a string of coastal colonies to an economic world power.

**Prerequisites:** None.

**Notes:** Same as ECO 387, ENT 387.

**BLS 400 Senior Seminar in the Humanities 3**

Online, capstone experience for majors. Students compile Web portfolio of work from classes in the major. Course serves as a method of assessment for majors.

**CIC:** CIC College Writing

**Prerequisites:** Admission to major. Written Permission Required.

**BLS 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**BLS 401 Individual Study 1-3**

Directed program of reading and/or research in the humanities. Available to majors upon recommendation of an instructor and approval of the program directors.

**Prerequisites:** Admission to major. successful completion of one semester of course work at UNCG; permission of an approved, cooperating instructor.

# Informatics and Analytics Foundations (IAF)

## **IAF 601 Introduction to Data Analytics-Methods and Approaches 3**

Managing, manipulating, and analyzing structured/unstructured data to understand relationships and generate useful insights. Principles such as programming for analytics, data visualization, statistical modeling, database design, high performance computing are discussed.

**Prerequisites:** Programming and statistics experience. M.S. in Informatics and Analytics student or permission of instructor required.

## **IAF 602 Statistical Methods for Data Analytics 3**

Introduction to fundamental statistical techniques for data analytics such as hypothesis testing, data transformation, estimation, confidence intervals, regressions models, ANOVA, multivariate analysis, non-parametric methods, and design of experiments.

**Notes:** Same as STA 602. Prerequisite: Student in the M.S. in Informatics and Analytics or the M.S. in Applied Statistics program or permission of instructor.

## **IAF 603 Preparing Data for Analytics 3**

Students are exposed to current approaches, techniques and best practices for collecting, cleaning and normalizing data, processing, storing, managing, securing and preparing structured and unstructured big data sets for analytics.

**Prerequisites:** Programming and statistics experience. M.S. in Informatics and Analytics student or permission of instructor required.

## **IAF 604 Machine Learning and Predictive Analytics 3**

Introduction to machine learning and predictive analytics for Big Data. Some key components include deep learning, supervised, unsupervised models, regression, inductive learning, and time series analysis.

**Prerequisites:** M.S. in Informatics and Analytics student with a grade of C or better in IAF 601 and IAF 603 or permission of instructor.

## **IAF 605 Data Visualization 3**

Data are analyzed to answer questions. Students are exposed to concepts and techniques to understand analytics results and appropriately infer relationships to answer questions and visualize results using contemporary techniques.

**Prerequisites:** M.S. in Informatics and Analytics student or permission of instructor required.

## **IAF 606 Solving Problems with Data Analytics 3**

How data analytics is used to solve applied problems in varied contexts. Students will learn how to choose appropriate methodologies, manage data, conduct analyses and report results.

**Prerequisites:** Student in the M.S. in Informatics and Analytics or the M.S. in Applied Statistics program with a grade of C or better in IAF 601 and IAF 602 or permission of instructor.

**Notes:** Same as STA 606.

## **IAF 690 Directed Study in Informatics and Analytics 1-3**

Directed study in a topic related to Informatics and Analytics.

## **IAF 695 Practicum 3**

Directed practical experience in a professional setting in the student's area of interest within Informatics and Analytics.

**Prerequisites:** At least 15 credit hours of IAF courses.

# Information Science (IST)

## **IST 200X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

## **IST 213 Games and Information: Play, Design, and Collection 3**

This course introduces students to fundamental social science concepts and approaches through the lens of games. The course covers what makes games learnable, the information practices and techniques involved in game design and play, and various strategies for preserving games by cultural heritage institutions.

**MAC:** MAC CritThink Soc and BehavSci

## **IST 214 Designing Games For Information Activities and Systems 3**

This course is an introduction to the theory and practices of the process of designing games and playful experiences, with the emphasis on informing players, and information within the design process.

**Prerequisites:** IST 213 and either LIS 199 or LIS 201. Information Science Minors, Games Studies Minors, or Information Science Majors; or permission of instructor.

## **IST 300 Human Information Behavior 3**

Introduction to foundational and core concepts of human information behavior, including models of information seeking behavior, information needs and use, user-centered design, and human computer interaction.

**Prerequisites:** LIS 199 OR LIS 200. Information Science Majors.

## **IST 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

## **IST 301 Information Organization 3**

This course presents the ideas, advantages, and challenges of information organization and creating and ensuring access to information in the 21st century.

**Prerequisites:** LIS 199 OR LIS 200. Information Science Majors.

## **IST 304 Project Management in Information Organizations 3**

An introduction to modern methods for defining, planning, managing, and controlling substantial projects in information organizations. Computer technology is used to support the efficient management of interdependent activities.

**Prerequisites:** LIS 199. Information Science Majors.

## **IST 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

## **IST 423 Information Storage and Retrieval 3**

Examines theories and practical models in system-centered Information Management Systems (IMS). Introduces IMS design, Information retrieval, database systems, storage and manipulation of text, multimedia information and data, and web search engines.

**Prerequisites:** CSC 120 and IST 301. IST Majors.

## **IST 436 Website Production and Usability for Information Professionals 3**

An overview of a modern web site development for aspiring information professionals with a focus on principals of usable design, and practice using HTML, CSS, and Java to build usable websites.

**Prerequisites:** CSC 120 and LIS 300, or permission of instructor.

## **IST 466 Information Ethics and Policy 3**

Covers the ethical, legal, and policy foundations of contemporary information technology and information services.

**Prerequisites:** LIS 199. LIS 300; Information Science Majors.

## **IST 468 Community Informatics 3**

A survey of key concepts in the field of Community Informatics, which focuses on how communities access, learn, and apply information and communications technologies (ICTs). Practical studies in this area consider how social, cultural, political, and economic factors influence the adoption and use of ICTs among members of specific communities.

**Prerequisites:** LIS 199.

**IST 472 Instructional Design 3**

Examination of the systems approach to instructional design (ID), which is the process for determining what to teach and how to teach it. Focuses on gaining hands-on experience in instruction and learning. Primary emphasis on developing evidence-based training that is functional, efficient, and appealing.

**Prerequisites:** LIS 199.

**IST 488 Special Topics in Information Science 3**

Covers emerging technologies, new trends and issues, and other current developments in the field of information science.

**Prerequisites:** LIS 199. IST Majors Only;

**Notes:** May be repeated up to three times for credit when topic varies.

**IST 490 Independent Study 1-4**

Guided readings, research, and individual project work under direction of faculty.

**Prerequisites:** IST majors and permission of the instructor.

**IST 491 Practicum in Information Science 3**

Provides a supervised work experience for students in information science.

**Prerequisites:** CSC 120, ERM 410, IST 300, IST 301, IST 304, IST 423, IST 466, LIS 199, LIS 300. Information Science majors;

**Notes:** Graded on S/U basis only.

**IST 498 Capstone in Information Science 3**

A culminating experience for information science majors, which requires a field-based project and the development of a graduation portfolio.

**Prerequisites:** Completion of all other degree requirements and permission of instructor.

**Notes:** Grade: Pass/Not Pass (P/NP).

# Information Systems and Operations Management (ISM)

**ISM 110 Foundations for Analytics using Spreadsheets 3**

The course develops introductory spreadsheet skills. Topics focus on the creation of effective spreadsheets and reports and the management of datasets to solve business problems.

**Notes:** Open to freshmen and other students seeking an introduction to computer usage.

**ISM 116 Web Design and Development 3**

Students learn skills needed to design effective Web pages by studying the best practices in website design.

**Prerequisites:** C or better in ISM 110 or equivalent.

**ISM 201 Essentials of Cyber Security 3**

This course provides an overview of cyber security essentials. Any loss of data or compromise devastates a corporation. This course covers essential aspects of cyber security management.

**Prerequisites:** ISM 110. Restricted to ISCI students and students who are Pre admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, PECO, ECON, ECOS, PENT, ENTR, PFIN, FINC, PHTM, HTMT, PINT, INTB, PISC, ISSC, or PMKT, MKTG).

**ISM 210 Principles of Business Analytics 3**

Principles of Business Analytics introduced students to the advanced techniques in the use of business computing applications, including spreadsheets, database systems, and linkage between applications to enhance productivity. Students study how end-user applications are managed and contribute to business.

**Prerequisites:** Grade of C or better in ISM 110.

**ISM 218 Database Systems 3**

Study of database management systems including their design, implementation, query and use. Includes an extensive case study requiring the development of a multiple table database system for organizational needs.

**Prerequisites:** Grade of C or better in ISM 110.

**ISM 240 Business Programming I 3**

Introduction to the planning and creation of computer programs for solving business-related problems. Emphasis on problem analysis and structured programming techniques. Students utilize a procedural programming language.

**Prerequisites:** Grade of C or better in ISM 110 or equivalent.

**ISM 280 Information Systems for Decision Making 3**

The course covers the fundamentals of business information systems in the context of a modern organization. Topics focus on the use of information systems, technologies and business analytics for decision making and competitive advantages.

**Prerequisites:** ISM 110 or equivalent.

**ISM 301 Systems and Process Analysis 3**

Focuses on systems and process concepts such as automation boundaries, feasibility assessments, performance measures, information modeling, process reengineering, quality, and value added. Course emphasizes analysis methodologies.

**Prerequisites:** ISM 218 and ISM 240 or concurrent enrollment in ISM 218 and ISM 240. ISSC or ISCI major.

**ISM 310 Business Programming II 3**

Study of advanced procedural software structures such as multidimensional arrays and tables, indexed file processing, and interactive processing. Introduction to object oriented software structure such as class definitions, object instances, and class methods.

**Prerequisites:** C or better in ISM 240.

**ISM 324 Secure Networked Systems 3**

Networking and telecommunication concepts are described. Technical and organizational activities for securing distributed systems are presented. System security and information assurance methodologies, procedures and best practices are studied.

**Prerequisites:** Grade of C or better in ISM 201. Restricted to IS majors and Information Technology minors only.

**ISM 325 Topics in Applications Development 1-3**

Study of specific application development environments and development tools to support business application development.

**Prerequisites:** ISSC Major.

**ISM 326 Ethical Hacking 3**

Ethical hacking is presented as a process of intentionally attempting to hack a computer system to understand potential vulnerabilities that a malicious hacker could exploit and find ways to mitigate them.

**Prerequisites:** ISM 324 or concurrent enrollment in ISM 324. Admitted to ISSC major.

**ISM 328 Blockchain Technology Applications and Management 3**

Evaluate strategies to protect data, including cryptographic systems and their use in real world applications. Examine latest developments in blockchains and their role in security and data management.

**Prerequisites:** C or better in ISM 201. Restricted to ISCI students and students who are Pre admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, PECO, ECON, ECOS, PENT, ENTR, PFIN, FINC, PHTM, HTMT, PINT, INTB, PISC, ISSC, or PMKT, MKTG).

**ISM 411 Undergraduate Internship in Information Systems 1-3**

This course provides students with the opportunity to apply classroom knowledge and skills to a business situation and develop new work management skills and understandings.

**Prerequisites:** Admission to the ISSC major and approval of instructor.

**Notes:** May be repeated for credit for a maximum of 6 s.h.

**ISM 425 Business Analytics 3**

Study of the techniques and methods of business analytics, including gathering, processing and analyzing large volumes of data to generate insights that inform business decisions.

**Prerequisites:** ECO 250 and either ISM 210 or ISM 218 or ACC 325. ISSC Major or ACCT Major.

**ISM 452 Design of Management Information Systems 3**

Development of cost effective computer-based systems to produce information needed for managerial decision making as specified in the information analysis phase.

**Prerequisites:** C or better in ISM 218 and ISM 240. Any two of the following courses: ISM 301, ISM 310, ISM 324, ISM 326, ISM 411, ISM 425, or SCM 260; ISSC major.

**ISM 498 Independent Study 1-3**

Individual study of issues or problems in information systems and/or supply chain management. Student must arrange time and course requirements with instructor prior to registration.

**ISM 499 Problems in Information Systems and Supply Chain Management 3**

Independent study and research with class discussion covering a topic or group of related topics of current interest in information systems and/or supply chain management.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit with approval of Department Head.

**ISM 613 Directed Studies 1-3**

Individual study problems in the field. Regular conferences with instructor required.

**Prerequisites:** Permission of MSITM Program Director and instructor who will supervise study.

**ISM 635 Principles of Enterprise Resource Planning using SAP 3**

A problem-based approach to SAP and Enterprise Resource Planning concepts. Hands-on learning of integrated SAP software modules for business processes such as sales, logistics, material management, procurement, and human resources.

**Notes:** Same as SCM 635.

**ISM 645 Principles of Predictive Analytics 3**

Predictive analytics are iteratively generated by analyzing and exploring enterprise data to predict relationships and generate insights for organizations. Principles, models, and methods of predictive analytics are discussed.

**ISM 646 Visualizing Data to Design Strategy 3**

Data are analyzed to answer questions. Students are exposed to concepts and techniques to understand analytics results and appropriately infer relationships to answer questions and visualize results using contemporary techniques.

**ISM 647 Artificial Intelligence and Machine Learning Applications for Business 3**

Cognitive computing and artificial intelligence based applications are increasingly employed by businesses to generate insight from data. Students are introduced to principles, techniques, and models for developing these systems.

**ISM 665 Principles of Cyber Security 3**

Study of the technical, managerial, and organization issues in systems security, including systems security models, analysis of business process and technology for systems security, and information assurance.

**ISM 666 Blockchains and Cryptography 3**

Evaluate strategies to protect data, including cryptographic systems and their use in real world applications. Examine latest developments in blockchains and their role in security and data management.

**ISM 667 Global Cyber Threat Analysis 3**

The course focuses on evaluating global cyber threats because of cyber weapons, cyber warfare, and other criminal activities. The course also evaluates defensive strategies and necessary capabilities to combat threats.

**ISM 668 Enterprise and IT Risk Management 3**

Focus on enterprise and IT risk identification, evaluation, mitigation, and risk-related decision making, given the resource constraints. Students learn foundational theories and framework in risk management. Standard risk management approaches for identifying, analyzing, and responding to risks are introduced. Tools and methodologies for metrics to monitor risk management activities presented.

**ISM 670 IT Driven Disruptive Innovation Management 3**

Examines the role of disruptive and emerging IT in reshaping business models, strategy, economies, and society by fueling disruptive product and process innovation. Explores processes and governance for IT-driven disruptive innovation.

**ISM 671 Organizing Data for Analytics 3**

Fundamental concepts of database management systems, including database design, implementation, and the use of the SQL query language.

**ISM 672 App Design and Programming 3**

Apply fundamental programming concepts in designing and implementing applications for the web. This course provides students the necessary foundations for developing web applications and evaluating entrepreneurial opportunities.

**Notes:** Same as ENT 672.

**ISM 673 Designing Secure Computer and IoT Networks for Business 3**

Technology related to internal and external network/telecommunication services. Managerial and business issues related to the identification, acquisition, and management of network/telecommunications services in the contemporary enterprise.

**ISM 677 Information Systems Management 3**

Examines the role of information technology to improve processes and business performance, analyze the interaction of business strategies, work processes, competitive markets, technology and people for effective IT management.

**ISM 678 Project Management for Dynamic Environments 3**

Modern methods of defining, planning and executing large IT and other projects. Computer software and network modeling are used to support the efficient scheduling of interdependent activities.

**Notes:** Students may not earn credit for both ISM 654 and 678.

**ISM 688 Projects in Business Analytics 3**

A capstone experience in which the students demonstrate a broad knowledge of Business Analytics by undertaking hands-on projects with realistic data.

**ISM 695 Special Topics in IT 1.5**

Specific course title identified each time the course is offered. Selected topics will address contemporary issues in information technology and its management.

**Prerequisites:** Admission to MSITM degree program and permission of MSITM Program Director.

**Notes:** Course may be repeated for credit when topic varies.

**ISM 696 Organizational Internship 1-3**

Academic and required work components allow students to gain organization experience. Course supervised by a designated graduate faculty member and an organization manager.

**Prerequisites:** Permission of MSITM Program Director.

**Notes:** May be repeated for credit.

**ISM 698 Project in Information Technology 3**

Capstone experience in which the student demonstrates a broad knowledge of the material covered in the MSITM curricula by undertaking a project approved in consultation with the MSITM Program Director.

**Prerequisites:** Completion of at least 18 credits of required coursework for MSITM.

**ISM 699 Thesis 1-6**

An independent, theory-based inquiry in which a student applied knowledge and skills acquired to the scholarly study of information technology and management.

**ISM 701 Predictive Analytics in Information Systems Research 3**

Introduction to various techniques available for extracting useful information and business value from the large volume of rich data at the disposal of organizations. Covers the concepts, principles, methodologies, and emerging trends in data mining and predictive analytics. Exposure to research questions that lend themselves to use of predictive analytics.

**Prerequisites:** Admission to ISSCM Ph.D. program or permission of instructor.

**ISM 702 Data Visualization for Information Systems Research 3**

Data are analyzed to answer questions. Students are exposed to concepts and techniques to understand analytics results and appropriately infer relationships to answer questions and visualize results using contemporary techniques.

**Prerequisites:** Admission to the ISSCM Ph.D. program or permission of instructor.

**ISM 703 Cognitive Computing and Artificial Intelligence in Information Systems Research 3**

Cognitive computing and artificial intelligence based applications are increasingly employed by businesses to generate insight from data. Students are introduced to the current and emerging research opportunities in all aspects these systems.

**Prerequisites:** Admission to ISSCM Ph.D. program or permission of instructor.

**ISM 704 Cyber Security Principles in Information Systems Research 3**

Study of the technical, managerial, and organizational issues in systems security, including systems security models, analysis of business processes and technology for systems security, and information assurance. Research issues and trends are identified and discussed.

**Prerequisites:** Admission to ISSCM Ph.D. or permission of instructor.

**ISM 705 Blockchains and Cryptography in Information Systems Research 3**

Evaluate strategies to protect data, including cryptographic systems and their use in real world applications. Examine latest developments in blockchains and their role in security and data management. Identify and discuss contemporary research issues and trends.

**Prerequisites:** Admission to ISSCM Ph.D. or permission of instructor.

**ISM 706 Global Cyber Threats and Risk Management 3**

The course introduces proactive methodologies for delivering mitigation strategies to protect against today's sophisticated threats. The course focuses on the global nature of threats and the formation of dark markets. Research trends and opportunities are identified and discussed.

**Prerequisites:** Admission to the ISSCM Ph.D. program or permission of instructor.

**ISM 707 Information Technology Driven Disruptive Innovations 3**

This course covers both conceptual and practical aspects of IT driven disruptive innovation management. This course primarily focuses on emerging information technologies that drive disruptive innovation and the research issues and opportunities that arise.

**Prerequisites:** Admission to ISSCM Ph.D. program or permission of instructor.

**ISM 753 Information Systems Research Seminar I 3**

Study of the principles of scientific inquiry and its applications in information systems research. Topics may include different types of knowledge generation, foundations of theory and research design alternatives.

**Prerequisites:** Admission to the Ph.D. in Information Systems or permission of the instructor.

**ISM 754 Information Systems Research Seminar II 3**

Current research issues on the intersection of information systems and supply chain systems. Topics may include blockchains, Internet-of-Things, information asymmetry and strategic inter-organizational information systems.

**Prerequisites:** Admission to the Ph.D. program in Information Systems or permission of instructor.

**ISM 755 Information Systems Research Seminar III 3**

Study of contemporary and emerging topics in information systems. Topics may include cybersecurity, social and crowd-based technologies, health information and health IT, and analytics, artificial intelligence and machine learning.

**Prerequisites:** Admission to the Ph.D. program in Information Systems or permission of instructor.

**ISM 756 Information Systems Research Seminar IV 3**

Application of various research techniques in information systems research. Topics may include econometrics, game theory, analytical modeling, queueing models, decision theory; experiments, big data techniques, panel data analysis.

**Prerequisites:** Admission to the Ph.D. program in Information Systems or permission of instructor.

**ISM 760 Contemporary Research Methods in Information Systems 3**

Focuses on contemporary research methods for studying information systems phenomena, particularly those related to emerging technologies. Emphasizes enhancing doctoral students' ability to identify, examine, and evaluate different contemporary methodologies regarding philosophical underpinnings of the methodology and dominant research frameworks for use of those methodologies, research paradigms and theoretical conceptualizations.

**Prerequisites:** Admission to the ISSCM Ph.D. program or permission of instructor.

**ISM 782 Practicum in IS Teaching 1-3**

Supervised teaching of an information systems (IS) course. Faculty mentor will guide in planning and delivery.

**Prerequisites:** Permission of PhD Director.

**Notes:** Course may be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

**ISM 783 Organizational Research Internship 3-6**

Organizational work and research in information systems in actual organization. Expose student to practical and relevant research problems. Supervised by designated faculty member and organization manager.

**Prerequisites:** Permission of PhD Director.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**ISM 785 Theories of Information Systems 3**

Examines underlying theories in information systems research. Theories from organizational behavior, strategic management, economics, other disciplines inside and outside business, and IS will be discussed.

**Prerequisites:** Permission of PhD Director.

**ISM 786 Principles of Scientific Inquiry in Information Systems Research 3**

This course is an introduction to topics ranging from the philosophical underpinnings of the field and the dominant research frameworks, paradigms, or theoretical conceptualizations. We will discuss fundamentals of undertaking research, including defining problems, research questions, conducting a literature review, collecting evidence, interpreting findings, and drawing conclusions and generalizations.

**Prerequisites:** Admission to ISM Ph.D. program or permission of Ph.D. Director.

**ISM 788 Seminar in IS Research Methods 3**

Research process and various design elements for quantitative and qualitative research in information systems.

**Prerequisites:** STA 661, STA 662, and permission of PhD Director.

**ISM 789 Research Seminar in Information Systems 1-3**

Explores current and emerging research topics in information systems.

**Prerequisites:** ISM 786 or permission of PhD Director.

**Notes:** May be repeated for credit.

**ISM 790 Independent Doctoral Research 1-6**

Individual work on research issues related to the student's primary area(s) of specialization. Work may consist of original research and/or critical examination and integration of existing literature.

**Prerequisites:** Permission of PhD Director.

**ISM 799 Dissertation 1-24**

Prerequisite: Admission to candidacy.

**ISM 801 Thesis Extension 1-3**

Thesis Extension.

**ISM 802 Dissertation Extension 1-3**

Dissertation Extension.

**ISM 803 Research Extension 1-3****Integrated Professional Studies (IPS)****IPS 200X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**IPS 201 Roadmaps to Degree Success 3**

Provides foundational information for undergraduate success at UNCG. Concepts for interdisciplinary study and the fundamentals of higher education are included. Fosters development through goal setting and planning exercises.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**IPS 275 Entrepreneurial Personal Branding 3**

Students will have a better understanding of the entrepreneurial mindset, how to use entrepreneurship strategies personally, and how to best brand and uniquely market themselves.

**Notes:** Same as ENT 275 and HHS 275.

**IPS 300 Design and Systems Thinking 3**

Students apply a human-centered approach to problem-solving to address complex issues across disciplines and real-world problems. Students utilize creative problem-solving strategies using design and systems thinking methods.

**IPS 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**IPS 301 Design Thinking 3**

Design Thinking is a creative and pragmatic path to innovation. Students learn a human-centered approach to problem-solving, emphasizing experimental and collaborative learning and real-world applications.

**IPS 302 Systems Thinking 3**

Overview of theory and processes commonly used to apply systems thinking approaches to addressing complex problems across disciplines, including arts and health. A case study approach facilitates this process.

**IPS 303 Understanding Data 3**

Students learn to identify, analyze, use, and interpret data to solve problems and make decisions. Interactive data activities, case studies, videos, lectures, and dialogue will facilitate student understanding.

**IPS 304 Contemporary Media Literacies 3**

Students learn theories of contemporary media literacy in order to interpret and create research products in multiple modes and situated in global contexts.

**IPS 305 Global Awareness and Intercultural Competence 3**

Interdisciplinary course designed to enhance students' global awareness by introducing them to contemporary global issues while increasing their intercultural competence.

**IPS 306 Self-Awareness 3**

Development of knowledge and skills to enhance personal success. Focus on self and other awareness and application to career and life goals.

**IPS 307 Writing in Professional Contexts 3**

This course uses a rhetorical framework to strengthen students' academic and professional writing skills. Students focus on analyzing and developing successful writing strategies that will be applied in other IPS courses.

**CIC:** CIC College Writing

**Notes:** May be repeated twice for credit when topic varies.

**IPS 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**IPS 401 Selected Topics in Health and Wellness Occupations 3**

Integration of six universal program competencies applied to the study of selected topics in health and wellness occupations.

**Notes:** May be repeated for credit when topic changes.

**IPS 402 Selected Topics in the Changing Workplace 3**

Integration of six universal program competencies applied to the study of selected topics in the changing workplace.

**Notes:** May be repeated for credit when topic changes.

**IPS 403 Selected Topics in Service Occupations 3**

Integration of six universal program competencies applied to the study of selected topics in service occupations.

**Notes:** May be repeated for credit when topic changes.

**IPS 404 Selected Topics in Arts, Entertainment, and Media Occupations 3**

Integration of six universal program competencies applied to the study of selected topics in arts, entertainment, and media occupations.

**Notes:** May be repeated for credit when topic changes.

**IPS 405 Selected Topics in Other Occupations 3**

Integration of six universal program competencies applied to the study of selected topics in other occupations such as education, technology, etc.

**Notes:** May be repeated for credit when topic changes.

**IPS 406 Integrative Thinking 3**

Integrative Thinking is the intersection of Design Thinking, Systems Thinking, and Understanding Data. These tools and processes are applied together to address complex real-world problems and build evidence-based solutions. Students will use the 4 step integrative-thinking methodology to creatively solve problems building on the critical thinking skills they learned in the BIPS core courses.

**Prerequisites:** IPS 301, IPS 302, IPS 303.

**IPS 407 Ethical Leadership 3**

Course participants will develop their own ethical leadership perspective for a successful organizational culture and connect it to their own professional experiences and goals. Course methods include analysis of case studies, reflection, application of principles, and framework evaluations.

**IPS 408 Applied Project Management 3**

This course provides an introduction to Project Management, including all of the fundamental aspects of Project Management. Topics include project management methodologies from predictive to adaptive, theories and strategies, career specific project management skills, budgeting and financial planning, communication plan, and risk analysis.

**IPS 409 Working in Virtual Teams 3**

Course participants will learn about the different methods to communicate and collaborate as a virtual team when working in diverse locations. Success factors, dealing with conflict, managing projects, etc. will be covered in the course and a team project is included.

**IPS 410 Capstone 3**

In this course, students will apply and integrate the core competencies they've been immersed in throughout the BIPS program to address a real-world problem that has importance and meaning for them.

**Prerequisites:** IPS 300, IPS 303, IPS 304, IPS 305, ENG 327/IPS 307, and IPS 406. Integrated Professional Studies major.

# Integrated Studies Lab (ISL)

**ISL 102 Research, Discovery, and Inquiry 1**

Through project-based research on real world situations, students gather and evaluate information, make connections among diverse perspectives, and develop global awareness, capacity for active citizenship, and lifelong learning skills.

**Prerequisites:** Enrollment in a Learning Community.

**Notes:** May be repeated once for credit, based on course pair theme.

**ISL 104 Service, Reflection, and Inquiry 1**

Through hands-on service projects, students learn to: collaborate, gather, and evaluate information; make connections among diverse perspectives; develop global awareness, capacity for active citizenship, and skills for lifelong learning.

**Prerequisites:** Enrollment in a Learning Community.

**Notes:** May be repeated once for credit.

# Interior Architecture (IAR)

**IAR 101 Environmental Design I 6**

Studio investigations of space design at small scale while exploring properties of basic materials. Development of conceptual thinking.

**Prerequisites:** Admission to the Interior Architecture Program or permission of the instructor.

**Corequisites:** IAR 110.

**IAR 102 Environmental Design II 6**

Studio investigations of space design at small scale while exploring properties of basic materials. Development of conceptual thinking.

**Prerequisites:** IAR 101.

**Corequisites:** IAR 112.

**IAR 110 Design Visualization I 3**

Study and application of basic drawing processes for the purpose of enhancing perceptual awareness and developing visual communication and analysis skills.

**Prerequisites:** IARC major.

**Corequisites:** IAR 101.

**IAR 112 Design Visualization II 3**

Continued directed drawing experiences intended to extend basic visual communication skills into compositional principles, color theory and application, technical drawing systems and techniques, and industry standards.

**Prerequisites:** IAR 110.

**Corequisites:** IAR 102.

**IAR 124 Introduction to Sustainable Design 3**

This course will provide an overview of sustainable design and the various systems that contribute to it, including the building arts, business, logistics, manufacturing, and energy production.

**MAC:** MAC CritThink Hum and Fine Art

**IAR 201 Basic Environmental Design III 6**

Studio investigations of spaces as articulated by the interaction of individual and place. Emphasis placed on cognitive understanding of design process, light and color, construction systems, and ongoing study of materials.

**Prerequisites:** IAR 102.

**Corequisites:** IAR 211.

**IAR 202 Basic Environmental Design IV 6**

Studio investigations of spaces as articulated by the interaction of individual and place. Emphasis placed on cognitive understanding of design process, light and color, construction systems, and ongoing study of materials.

**CIC:** CIC College Writing

**Prerequisites:** IAR 201.

**Corequisites:** IAR 212.

**IAR 211 Visual Communication I 3**

Two- and three-dimensional visual studies related to conceptual and definitive aspects of design process. Exercises aimed at developing a mastery of both technical and non-technical methods of visual communication.

**Prerequisites:** IARC major. IAR 112;

**Corequisites:** IAR 201.

**IAR 212 Visual Communication II 3**

Two- and three-dimensional visual studies related to conceptual and definitive aspects of design process. Exercises aimed at developing a mastery of both technical and non-technical methods of visual communication.

**Prerequisites:** IARC major. IAR 211;

**Corequisites:** IAR 202.

**IAR 221 History and Theory of Design I 3**

Survey of design forms evolved in response to humankind's needs for community, architecture, furnishings, and artifacts, with development from prehistoric to modern eras in cultural, political, and technological contexts.

**MAC:** MAC Global and Intercultural

**IAR 222 History and Theory of Design II 3**

Survey of design forms evolved in response to humankind's needs for community, architecture, furnishings, and artifacts, with development from prehistoric to modern eras in cultural, political, and technological contexts.

**MAC:** MAC Global and Intercultural

**IAR 301 Interior Architecture I 6**

Studio investigations of increasingly complex spaces as articulated by the interaction of individual and place. Special emphasis on light, color, materials and structure as aspects of spatial design.

**Prerequisites:** IAR 202, IAR 212.

**IAR 302 Interior Architecture II 6**

Design investigations of spaces of increasing scale and complexity articulated by the interaction of individual and place. Special emphasis on social/behavioral aspects of interior architecture and responsibilities of designer to society.

**Prerequisites:** IAR 301.

**IAR 311 Computer-Aided Design for Interior Architecture 3**

Introduction to computer-aided design technology, historical context, and professional use in interior architecture and design. Use of CAD equipment and production of design drawings.

**Prerequisites:** IAR 212 or permission of instructor.

**IAR 321 Design Thinking and/or Entrepreneurial Thinking 3**

Theories and applications of design thinking and entrepreneurial thinking will be explored. Students interested in innovation and creativity with application ranging from regional to global in practice will benefit.

**Notes:** Same as ENT 321.

**IAR 331 Social and Behavioral Aspects of Interior Architecture 3**

Introduction to literature and methods of environmental design research as it applies to interior environments.

**Prerequisites:** IAR 202 or permission of instructor.

**IAR 332 Interior Architecture Materials 3**

Study of materials used in interior architecture applications.

**Prerequisites:** IAR 201 or permission of instructor.

**IAR 333 Interior Architecture Construction and Building Systems 3**

Study of interior architecture construction methods, structural systems, and building mechanical systems.

**Prerequisites:** IAR 202 or permission of instructor.

**IAR 401 Advanced Interior Architecture I 6**

Advanced design problems having complex functional, social, and economic implications, with emphasis on problem identification, formulation, and design development.

**Prerequisites:** IAR 412 for undergraduates.

**IAR 411 Interior Architecture III 6**

Studio investigations of multi-function environments incorporating understanding of light, color, materials, structure, and technology.

Emphasis on individual competence with respect to design process.

**Prerequisites:** IAR 302.

**IAR 412 Interior Architecture IV 6**

Studio explorations encompassing the full range of interior architecture scale and complexity. Emphasis on individual competence with respect to design process.

**Prerequisites:** IAR 411.

**IAR 424 History of American Landscapes and Architecture 3**

Examination of the social and cultural forces affecting the design and use of landscapes and buildings in North America from the colonial period through the mid-twentieth century.

**IAR 427 Problems in Interior Architecture 2-6**

Individual study.

**Prerequisites:** Permission of instructor.

**IAR 430 Introduction to Public Interest Design 3**

An introduction to the social, economic, and environmental theories and practices that define Public Interest Design, using a literature review and case studies in interior design, architecture, city planning, product design, and other related disciplines.

**Prerequisites:** Junior standing or above. or permission of instructor.

**IAR 432 Special Problems in Interior Architecture 1-4**

Independent study of topics of special interest.

**Prerequisites:** Permission of instructor with whom student wishes to work.

**Notes:** May be repeated for credit up to maximum of 8 hours.

**IAR 433 Interior Architecture Laboratory 1-3**

Laboratory study with faculty to complete final phases of projects begun in previous semesters including the fabrication or prototyping of studio projects, preparation for design competition, or extended work with community partners.

**Prerequisites:** IAR 101.

**IAR 434 Design Seminar 3**

Investigation of history, current research and subjects of topical interest in environmental design.

**Notes:** May be repeated for a total of 6 hours credit.

**IAR 435 Architectural Lighting Design 3**

Advanced investigation of lighting design. Emphasis on architectural lighting including design process, sustainability, and quality of light.

**Prerequisites:** IAR 334.

**IAR 436 History of Decorative Arts 3**

Study of stylistic and cultural developments in the decorative arts with special concentration on America.

**Notes:** Same as HIS 436.

**IAR 443 Historic Preservation: Principles and Practice 3**

Change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment, and development of philosophical approach for designers to contemporary preservation projects.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 443.

**IAR 447 History Museum Curatorship: Collections Management 3**

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

**Prerequisites:** Admission to a program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 447.

**IAR 448 Architectural Conservation 3**

Overview of contemporary architectural conservation principles, practice and technology. Field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 448.

**IAR 451 Professional Practice in Interior Architecture 3**

Investigation of business, legal, ethical aspects of professional practice in interior architecture by students, staff, and guest speakers.

**Prerequisites:** IAR 202.

**IAR 452 Internship in Interior Architecture 3**

The supervised internship provides practical work experience in which students' creative and technical experiences are applied within a project-based design environment.

**Prerequisites:** Third-year standing in Interior Architecture and written permission required.

**Notes:** May be taken twice for a total of 6 s.h. credit.

**IAR 453 History and Theories of Material Culture 3**

Material culture as it has been defined and interpreted in the past by scholars from the disciplines of history, anthropology, geography, art history, psychology, linguistics, and archaeology.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**IAR 455 Field Methods in Preservation Technology 3**

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 455.

**IAR 460 Advanced Computer-Aided Design and Research Seminar 3**

With specific attention to how computational tools affect interior architectural design decision-making processes, rigorous examination of their origins, evolution, applications, and significance will be undertaken.

**Prerequisites:** IAR 202, IAR 212, and IAR 222. or graduate standing; or permission of the instructor.

**IAR 465 Materials and Methodologies Seminar 3**

Investigation of materials, methods, and technologies for the design, fabrication, manufacturing, and production of products and components of interior architecture.

**Prerequisites:** IAR 333, or graduate standing, or permission of instructor.

**IAR 499 International Field Studies in Interior Architecture 4-6**

Investigation of international design contexts to be formulated in collaboration with faculty and undertaken through study abroad programs.

**IAR 501 Advanced Interior Architecture I 6**

Advanced design problems having complex functional, social, and economic implications, with emphasis on problem identification, formulation, and design development.

**IAR 502 Advanced Interior Architecture II 6**

Advanced design problems having complex functional, social, and economic implications, with emphasis on problem identification, formulation, and design development.

**Prerequisites:** IAR 631.

**IAR 527 Problems in Interior Architecture 2-6**

Individual study.

**Prerequisites:** Permission of instructor.

**IAR 530 Introduction to Public Interest Design 3**

An introduction to the social, economic, and environmental theories and practices that define Public Interest Design, using a literature review and case studies in interior design, architecture, city planning, product design, and other related disciplines.

**IAR 532 Interior Architecture Laboratory 1-3**

Laboratory study with faculty to complete final phases of projects begun in previous semesters including the fabrication or prototyping of studio projects, preparation for design competition, or extended work with community partners.

**IAR 535 Architectural Lighting Design 3**

Advanced investigation of lighting design. Emphasis on architectural lighting including design process, sustainability, and quality of light.

**IAR 536 History of Decorative Arts 3**

Study of stylistic and cultural developments in the decorative arts with special concentration on America.

**Notes:** Same as HIS 536.

**IAR 540 Evolution of Furniture 3**

A study of basic furniture forms-chairs, stools, tables, beds, chests-that follows a chronological route from Ancient Egypt to 21st-century Minimalism and examines changes in each historic period.

**IAR 541 Contemporary Trends in Interior Product Design 3**

Focusing on furniture, lighting, and textiles, the course studies trade events, showrooms, retailers, designers, and trade and consumer media all as forces shaping twenty-first-century trends.

**Prerequisites:** IAR 540 recommended.

**IAR 543 Historic Preservation: Principles and Practice 3**

Change in historic preservation theory and practice since the 1800s with emphasis on preservation of built environment, and development of philosophical approach for designers to contemporary preservation projects.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 543.

**IAR 547 History Museum Curatorship: Collections Management 3**

Professional practices in the care and management of historic site and history museum collections, including principles of collection development, object registration, cataloging, and preservation.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 547.

**IAR 548 Architectural Conservation 3**

Overview of contemporary architectural conservation principles, practice and technology. Field exercises, group projects and investigation of an individual research topic expand upon lectures and readings.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 548.

**IAR 551 Professional Practice in Interior Architecture 3**

Investigation of business, legal, ethical aspects of professional practice in interior architecture by students, staff, and guest speakers.

**Prerequisites:** Permission of instructor.

**IAR 555 Field Methods in Preservation Technology 3**

Intensive on-site fieldwork experience addressing issues of architectural conservation and historic building technology. Includes methods, techniques, and theories of preservation technology and accepted conservation practices.

**Prerequisites:** Admission to a graduate program in history or interior architecture, or permission of instructor.

**Notes:** Same as HIS 555.

**IAR 560 Advanced Computer-Aided Design and Research Seminar 3**

With specific attention to how computational tools affect interior architectural design decision-making processes, rigorous examination of their origins, evolution, applications, and significance will be undertaken.

**IAR 565 Materials and Methodologies Seminar 3**

Investigation of materials, methods, and technologies for the design, fabrication, manufacturing, and production of products and components of interior architecture.

**IAR 600 Supervised Professional Experience 1-4**

Supervised professional experience in selected residential, commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student.

**Prerequisites:** Written permission required.

**Notes:** May be repeated for a maximum of 8 credits.

**IAR 601 Directed Self-Study in Interior Architecture 1-6**

Individual Study.

**Prerequisites:** Permission of instructor.

**IAR 602 Advanced Interior Architecture III 6**

Design issues or problems relevant to the individual student's concentration or area of specialization are explored in real or simulated studio projects.

**Prerequisites:** IAR 501 or IAR 502.

**IAR 603 Capstone Studio Project 6**

The Capstone Studio Project provides students with the intellectual and organizational skills necessary to carry out and complete a major project as an individual body of applied research. Students will propose, research, develop and then present a project of their choosing.

**Prerequisites:** IAR 502.

**IAR 624 History of American Landscapes and Architecture 3**

Examination of the social and cultural forces affecting the design and use of landscapes and buildings in North America from the colonial period through the mid-twentieth century.

**Prerequisites:** Admission to a graduate program in history or interior architecture or permission of instructor.

**Notes:** Same as HIS 624.

**IAR 625 Preservation Planning and Law 3**

Examination and analysis of the relationship of government programs and policies, community and regional planning strategies, and legal case precedents to the field of historic preservation.

**Prerequisites:** Admission to a graduate program in history or interior architecture or permission of instructor.

**Notes:** Same as HIS 625.

**IAR 626 The Practice of Public History 3**

Basic principles in the administration of museums, historic sites, and other cultural resources. Subjects include fundraising, personnel and volunteer management, working with board members, and museum law and ethics.

**Prerequisites:** Admission to a graduate program in history or interior architecture or permission of instructor.

**Notes:** Same as HIS 626.

**IAR 627 Museum and Historic Site Interpretation: Principles and Practice 3**

Theory and practice of interpreting history to the public in the context of museums and historic sites. Topics include exhibit planning and technologies, living history, research methods, and audience evaluation.

**Prerequisites:** Admission to a graduate program in history or interior architecture or permission of instructor.

**Notes:** Same as HIS 627.

**IAR 631 Advanced Scholarship in Interior Architecture 3**

Advanced skills for identifying questions and methods for accomplishing scholarship in Interior Architecture. Thesis and design projects are planned. Emphasis on process including problem identification, literature review, investigation, and analysis.

**Prerequisites:** IAR 629.

**IAR 645 Introduction to Scholarship in Interior Architecture 3**

Introduction to scholarly methodologies and examination of trends, issues, and theories in Interior Architecture.

**IAR 665 Problems in Interior Architecture 2-4**

May be repeated for a maximum of 8 credits.

**IAR 690 Internship 3**

Supervised professional experience in selected museum, historic site, or other professional setting in accordance with the major course of study of the student. May be repeated for a maximum of 6 credits.

**Prerequisites:** At least 12 hours in history MA or interior architecture MS program and permission of Director of Graduate Study.

**Notes:** Grade: Satisfactory/Unsatisfactory, S/U. Same as HIS 690.

**IAR 699 Thesis 1-6**

Required of all candidates for the Master of Science in interior architecture.

**Notes:** Credit may be divided over two or more semesters.

**IAR 801 Thesis Extension 1-3**

Thesis Extension.

## Interlink (ITL)

**ITL 001 Communicatn (Aural/Oral) Skills 3****ITL 100 Reading and Writing Skills 3****ITL 101 Communicatn (Aural/Oral) Skills 3****ITL 200 Reading and Writing Skills 3****ITL 201 Communicatn (Aural/Oral) Skills 3****ITL 300 Reading and Writing Skills 3****ITL 301 Communicatn (Aural/Oral) Skills 3****ITL 400 Reading and Writing Skills 3****ITL 401 Communicatn (Aural/Oral) Skills 3****ITL 500 Reading and Writing Skills 3****ITL 501 Communicatn (Aural/Oral) Skills 3**

## International and Global Studies (IGS)

**IGS 200 Introduction to International and Global Studies 3**

An interdisciplinary course introducing students to terms, concepts and approaches employed in discussing, analyzing, and responding to today's international and global issues, with an emphasis on the non-Western world.

**MAC:** MAC Global and Intercultural

**IGS 223 Foundational Topics in International and Global Studies 3**

An intermediate-level course concentrating on foundational topics of international or global concern. Course content may grow out of issues explored in IGS 200 or IGS 210 or IGS 213.

**IGS 295 Study Abroad for Global Engagement: Pre-Departure 1**

First of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on pre-departure basics, field study techniques, and goal setting for global engagement through cultural competency.

**Prerequisites:** Acceptance to a UNCG Study Abroad Exchange Program.

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP).

**IGS 296 Study Abroad for Global Engagement: Field Experience 1**

Second of three courses taken in conjunction with a UNCG Study Abroad Exchange. Online individual study focusing on the field experience and appropriate engagement in international, intercultural, and/or multicultural contexts.

**Prerequisites:** IGS 295. Acceptance to a UNCG Study Abroad Exchange Program;

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP); Same as TED 296, SES 296.

**IGS 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications 1**

Third of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on the re-entry and re-acculturation processes and the integration of intercultural development into future contexts.

**Prerequisites:** IGS 296. Acceptance to a UNCG Study Abroad Exchange Program;

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP); Same as TED 297, SES 297.

**IGS 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**IGS 333 Selected Topics: International and Global Studies 3**

An advanced-level course concentrating on topics of international or global concern. Course content may grow out of issues explored in IGS 200 or IGS 210 or IGS 213.

**Notes:** May be repeated for credit as topic changes.

**IGS 400 Capstone Seminar in International and Global Studies 3**

End-of-major interdisciplinary seminar involving advanced examinations of contemporary international and global issues, the production of a substantial research project related to the student's concentration, and intercultural competence training.

**CIC:** CIC College Writing

**IGS 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**IGS 493 Honors Work 3**

**Prerequisite:** Permission of instructor; permission of IGS director; minimum 3.30 GPA and 12 s.h. in the major;

**Notes:** May be repeated for credit for a maximum of 6 s.h. if the topic of study changes.

**IGS 495 Individual Study 1-3**

Directed program of individual study or research. Available to qualified students in collaboration with a qualified instructor and/or the IGS director.

**Prerequisites:** IGS 200 or IGS 210 or IGS 213. and permission of IGS director;

**Notes:** May be repeated for a maximum of 6 s.h.

## International Student Exchange (ISE)

**ISE 999 International Student Exchange 3-12**

## Italian (ITA)

**ITA 101 Beginning Italian I 3**

Introduction to Italian with practice in hearing, speaking, reading, and writing. Supplementary instruction in the language laboratory.

**Notes:** Students with previous knowledge of Italian are required to contact the assigned instructor to have their language skills assessed.

**ITA 418 Studies in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** Permission of department.

**Notes:** May be repeated for credit when the topic varies. Same as FRE 462, SPA 462.

**ITA 518 Studies in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** Permission of department.

**Notes:** May be repeated for credit when the topic varies. Same as FRE 562, SPA 562.

## Japanese Studies (JNS)

**JNS 101 Elementary Japanese I 3**

Introduction to the Japanese language and culture. Emphasis on basic writing systems (Hiragana, Katakana, Kanji), as well as on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**JNS 102 Elementary Japanese II 3**

Continued introduction to the Japanese language and culture. Emphasis on basic writing systems (Kanji), active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** JNS 101.

**Notes:** Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**JNS 203 Intermediate Japanese I 3**

First course in the intermediate-level study of the Japanese language and culture. Emphasis on the further acquisition of Kanji, active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Proficiency level: JNS 102.

**Notes:** Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**JNS 204 Intermediate Japanese II 3**

Second course in the intermediate-level study of the Japanese language and culture. Emphasis on the further acquisition of Kanji, on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**Prerequisites:** JNS 203.

**Notes:** Students with previous knowledge of Japanese are required to meet with a designated faculty member. Students who are native or heritage speakers of Japanese MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**JNS 210 Current Topics Conversation 1**

The course provides students with oral training for effective communication over current topics of global interest.

**Prerequisites:** JNS 204 or permission of instructor.

**Notes:** May be repeated for up to three (3) semester hours.

**JNS 220 Modern Japan 3**

Introduction to Japanese culture and society. This course examines Japan's modern development through selected topics on modern history, society, and pop-culture including media culture, film, and literature.

**MAC:** MAC Global and Intercultural

**Notes:** Taught in English.

**JNS 230 Women in Japanese Literature and Film 3**

The course focuses on various aspects of women's lives in modern Japanese society, providing an overview of modern Japanese society through representation of women's culture in literature and film.

**Notes:** Taught in English.

**JNS 301 Advanced Grammar and Conversation 3**

Advanced language course that aims at improving students' communication skills in Japanese and enhancing their global awareness. The course work involves grammar retention drills, reading/writing assignments, and various speaking exercises.

**Prerequisites:** JNS 204.

**JNS 302 Third-year Japanese Language Conversation and Composition 3**

The course is designed to improve students' communication skills through intensive lectures, grammar retention drills, and oral and writing exercises. Students deepen their understanding of cultural logics behind Japanese language.

**Prerequisites:** JNS 301.

**JNS 305 Topics in Japanese Culture 3**

Focus on Japanese civilization to improve linguistic and/or cultural proficiency. Taught in either English or Japanese.

**Notes:** May be repeated for credit when topic varies.

**JNS 306 Current Issues in Japan 3**

The course focuses on current issues in Japan and non-traditional aspects of Japanese society. The course materials include literary texts, film, and other interdisciplinary materials. Taught in English.

**Notes:** May be repeated once for credit when topic varies.

**JNS 491 Special Topics 3**

Special topics in Japanese language and culture.

**Prerequisites:** JNS 204. Permission of instructor;

**Notes:** May be repeated three times for credit when topic varies.

**JNS 499 Practicum 3**

The course provides students with civic engagement opportunities. Students will deepen their understanding of the Japanese language, culture and society through service learning.

## Kinesiology (KIN)

**KIN 101 Beginning Volleyball 1**

Development of fundamental skills, strategic elements, and knowledge of volleyball with opportunity for team play.

**KIN 104 Beginning Basketball 1**

Development of fundamental skills, strategical elements, and knowledge of basketball.

**KIN 106 Beginning Soccer 1**

Development of fundamental skill, strategies, and knowledge of soccer.

**KIN 110 Ultimate 1**

Development of fundamental skills, strategic elements, and knowledge of ultimate (ultimate Frisbee) with opportunity for team play.

**KIN 115 Disc Golf 1**

Development of fundamental skills, tactics and strategy, and knowledge of Disc Golf, with opportunity for competitive play.

**KIN 130 Weight Training 1**

Weight training with emphasis on principles, techniques, and development of individualized programs.

**Notes:** May be repeated once for credit.

**KIN 131 Fitness Walking and Jogging 1**

Designed for the beginner level student desiring to improve cardiorespiratory endurance through a graduated program from fitness walking through jogging. This course is not designed for already accomplished runners.

**KIN 135 Fitness Running 1**

Designed for the recreational runner striving to improve cardiorespiratory endurance, running mechanics, and program development knowledge. This course is designed for students who have a strong background in distance running (at least 5k).

**KIN 140 Flag Football 1**

Development of fundamental skills, tactics and strategy, and knowledge of flag football, with opportunity for competitive play.

**KIN 150 Swimming for Non-Swimmers 1**

Designed for students with a fear of the water who cannot swim.

**KIN 151 Beginning Swimming 1**

Development of fundamental swimming and safety skills; designed for students with little or no knowledge of strokes and limited deep water experience.

**KIN 161 Yoga 1**

All-level yoga class that focuses on anatomy, breathing and foundational yoga poses. Historical and current yoga philosophies will also be covered.  
**Notes:** May be repeated once for credit.

**KIN 171 Beginning Badminton 1**

Development of fundamental skills, strategic elements, and knowledge of badminton with opportunity for match play.

**KIN 172 Beginning Self-Defense 1**

Development of fundamental skills, strategic elements, and knowledge of non-weapon defense, including techniques from karate and judo.

**KIN 175 Beginning Tennis 1**

Development of fundamental skills, strategic elements, and knowledge of tennis with opportunity for match play in singles and doubles.

**KIN 180 Rock Climbing 1**

Development of fundamental rock climbing skills including knot tying, belaying, anchor building, and climbing and bouldering technique.

**KIN 200X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**KIN 201 Intermediate Volleyball 1**

Extension and refinement of beginning level skills, strategies, and knowledge of volleyball. Emphasis on tactical elements of team play.

**KIN 203 Fitness Swim 1**

Emphasis on stroke efficiency and lap swimming for conditioning. Principles of conditioning, assessment and periodization are applied to swimming. Emphasis on improvement and maintenance of personal fitness.

**KIN 204 Intermediate Basketball 1**

Extension and refinement of beginning level skills, strategies and knowledge of basketball. Emphasis on tactical elements of team play.

**KIN 206 Intermediate Soccer 1**

Extension and refinement of beginning level skills, strategies and knowledge of soccer. Emphasis on tactical elements of team play.

**KIN 214 Sports Performance: Racquet Sports 1**

Skill development and analysis of racquet skills. Learning and application of physical education content in a developmental model.

**KIN 217 Introduction to the Teaching of Physical Education 3**

Nature of teaching physical education; emphasis on its relationship to total educational experience. First-hand experience working with learners of diverse backgrounds and ability, grades K through 12, in varied settings.

**KIN 220 Lifetime Wellness 3**

Evidence-based approach to understanding and applying scientific principles of wellness, fitness, and lifestyle management. Includes a personal wellness and/or fitness assessment and developing a plan for immediate and long-term improvement and maintenance.

**MAC:** MAC Health and Wellness

**KIN 230 Psychological Skills for Optimal Performance 3**

Overview of sport psychology principles applied to sport and exercise activities. Includes experience in psychological skills training.

**KIN 231 Recreational Games 2**

Analysis of the nature and categorization of a selection of recreational games across the lifespan, with emphasis on skill development and tactical decision-making.

**KIN 250 Introduction to Kinesiology 3**

Survey of the discipline of kinesiology. Analysis of the nature and importance of physical activity, knowledge base of the discipline, and careers in physical activity professions.

**KIN 252 Low Intermediate Swimming 1**

Extension of basic swimming and safety skills; must be comfortable in deep water.

**KIN 258 Lifeguard Training 3**

Skills, knowledge and techniques for lifeguarding with possibility of certification in CPR for the Professional Rescuer, First Aid and Pool Lifeguarding.

**Prerequisites:** CPR/First Aid certification, successful performance on swimming entrance tests;

**Notes:** Lab fee for supplies required.

**KIN 263 Basic SCUBA 1**

Development of fundamental skills, knowledge, and techniques of skin and SCUBA diving. Opportunity provided for open water training and final certification.

**Notes:** Additional fees for equipment rental and certification. must provide own mask, fins, snorkel, and booties.

**KIN 263L Skin and SCUBA Diving Lab 0****KIN 264 Advanced SCUBA 2**

Extension of skills and knowledge beyond level of basic SCUBA diver, including familiarity with operation and maintenance of SCUBA equipment. Opportunities provided for specialty certifications.

**Prerequisites:** KIN 263 or equivalent and permission of instructor.

**Notes:** Additional fees for equipment rental, quarry use and certification. must provide own mask, fins, snorkel, and booties.

**KIN 265 Strength Training and/or Conditioning 3**

Lecture and/or lab course emphasizing the basic science underlying strength training and conditioning. Specific topics include program design, exercise techniques, strength, aerobic, speed and flexibility development, physical testing, and training adaptations.

**Corequisites:** KIN 265L.

**KIN 265L Strength Training and/or Conditioning Laboratory 0**

Lecture and/or lab course emphasizing the basic science underlying strength training and conditioning. Specific topics include program design, exercise techniques, strength, aerobic, speed and flexibility development, physical testing, and training adaptations.

**Corequisites:** KIN 265.

**KIN 271 Intermediate Badminton 1**

Extension and refinement of beginning level skills, strategies, and knowledge of badminton. Emphasis on tactical elements of match play.

**KIN 272 Tae Kwon Do 1**

Acquisition and development of the basic techniques and knowledge of Tae Kwon Do. Presented in the culturally correct form.

**KIN 286 Foundations of Sport Coaching 3**

Introduce undergraduate students to the profession of sport coaching including the nature of the profession, qualifications, skills and issues relative to coaching.

**KIN 287 Coaching in Community-Based Sport Programs 3**

Examination of community-based sport programs focused on the psycho-social dynamics of programs, their mission, cultural and economic representation of youth being served, staff, resources, and their influence on coaching effectiveness.

**Prerequisites:** Sport Coaching minor or permission of instructor.

**KIN 291 Clinical Human Anatomy 4**

In-depth anatomical examination of the human body for students seeking clinically-applied careers in Health and Human Sciences. Includes laboratory activities.

**Prerequisites:** A grade of C- or better in BIO 110 or BIO 111.

**Corequisites:** KIN 291L.

**KIN 291L Clinical Human Anatomy Laboratory 0**

In-depth anatomical examination of the human body for students seeking clinically-applied careers in Health and Human Sciences. Includes laboratory activities.

**Corequisites:** KIN 291.

**KIN 292 Clinical Human Physiology 4**

Introduction to basic concepts of human physiology at the cell, organ and systems levels with a focus on clinical applications related to physiological systems relevant to the allied health sciences.

**Prerequisites:** Minimum grade of C- in BIO 110 or BIO 111.

**Corequisites:** KIN 292L.

**KIN 292L Clinical Human Physiology Laboratory 0**

Introduction to basic concepts of human physiology at the cell, organ and systems levels with a focus on clinical applications related to physiological systems relevant to the allied health sciences.

**Corequisites:** KIN 292.

**KIN 302 Movement Pedagogy for Elementary School Teaching 1.5**

Introduction, for elementary school teaching majors, to physical activity and movement with a concentration on classroom curriculum integration.

**Prerequisites:** Junior or senior standing. Elementary Education majors.

**KIN 307 Observation and Analysis of Fundamental Movement 3**

Selected physical activities with special emphasis on movement observation and analysis.

**KIN 330 Critical Analyses for a Physically Active Society 3**

Analyses and critical perspectives on cultural events, resources, and moments affecting modern physical activity engagement in the U.S. and globally.

**Prerequisites:** Grade of C or higher in KIN 250. junior standing.

**KIN 340 Healthful Living Pedagogy for Elementary School Teaching 3**

Introduction to teaching physical education in grades K-6. Designed for preservice classroom and physical education teachers. Student will work in field experiences.

**Prerequisites:** Junior or senior PHHT or Elementary Education major. or MA in Teaching students only;

**Notes:** Professional liability insurance required.

**KIN 342 Teaching Motor Skills to Preschool Children 3**

Strategies and techniques to enhance motor skill development of children ages 2-5 in the home, on the playground, and in the classroom. Field work with children emphasized.

**Prerequisites:** Junior or senior Human Development and Family Studies majors, Kinesiology majors, or permission of instructor.

**KIN 350 History of American Sport 3**

Examination of the development and significance of sport in American society.

**KIN 351 History and Philosophy of Sport, Physical Activity, and Physical Education 3**

Study of significant people, events, and institutions affecting the development of sport and exercise around the world. Analysis of major philosophic issues relating to sport and exercise.

**KIN 352 Philosophy of Sport 3**

Overview of philosophical concerns related to study of sport and sport experiences, examined with use of current sport philosophy literature.

**KIN 353 Injuries and Illnesses in Physical Activity 3**

Instruction in the prevention, recognition, and basic care of common injuries and illnesses that occur in a sport and exercise setting.

**Prerequisites:** Grade of C or higher in KIN 250, KIN 291 (or BIO 271).

**KIN 354 Curriculum and Teaching: Children's Physical Education 3**

Planning and organizing for teaching and observation of movement in children's physical education. Special emphasis will be on philosophy, curriculum development, and selection of appropriate content for elementary students.

**Prerequisites:** Junior or senior PHHT major. Admitted to Teacher Education Program; 3.0 GPA; permission of instructor;

**Notes:** Professional liability insurance required.

**KIN 356 Leadership and Collaboration 3**

Examination of administrative considerations in conducting physical activity and athletic programs with emphasis on leadership, collaboration, and group dynamics.

**Prerequisites:** Kinesiology major. 2.50 GPA;

**Notes:** Professional liability insurance required.

**KIN 370 Assessment and Evaluation in Kinesiology 3**

Overview of assessment, evaluation, and research methods in kinesiology; emphasis on applications to professional practice.

**Prerequisites:** Grade of C or higher in KIN 220 and KIN 250. sophomore standing.

**KIN 374 Data Science in Kinesiology 1**

This class is designed to introduce the concept of data science and how it applies to Kinesiology. Students will use common software to solve mathematical problems and visualize data.

**Prerequisites:** Grade of C or higher in KIN 292 (or BIO 277). Grade of C or higher in KIN 291 (or BIO 271).

**KIN 375 Physiology of Sport and Physical Activity 4**

Provides students with understanding of factors affecting the physiological function of the body related to exercise and physical performance. Laboratory provides experiences in evaluating these physiological factors.

**Prerequisites:** Grade of C or higher in KIN 291 (or BIO 271) and grade of C or higher in KIN 292 (or BIO 277). or permission of instructor;

**Corequisites:** KIN 375L.

**KIN 375L Physiology of Sport and Physical Activity Laboratory 0**

Laboratory supporting KIN 375.

**Corequisites:** KIN 375.

**KIN 376 Biomechanics of Sport and Physical Activity 3**

Anatomical and mechanical bases of physical activity with emphasis on the analysis of sport and exercise skills.

**Prerequisites:** Grade of C or higher in KIN 250 and KIN 291 (or BIO 271).

**KIN 379 Instructional Methods of Physical Activity 3**

Designing and implementing exercise instruction techniques for individuals and groups.

**Prerequisites:** Grade of C or higher in KIN 250, KIN 265, and KIN 220 (or sequence of KIN 120, KIN 130, KIN 220).

**KIN 381 Physical Education for Individuals with Special Needs 3**

Survey of all aspects of developmental, adapted, and corrective physical education for populations of children and adults with disabilities. Weekly field experiences required.

**Prerequisites:** KIN 120, KIN 130, and KIN 220. Kinesiology major;

**Corequisites:** KIN 381L.

**Notes:** Professional liability insurance required.

**KIN 386 Motor Control and Learning 4**

History of Motor Behavior, an overview of motor control, skilled performance and proficiency and how the individual learns skills through practice/and or experience.

**Prerequisites:** Grade of C or higher in KIN 250 and KIN 291 (or BIO 271).

**KIN 387 Motor Development 3**

Lifespan analysis of motor skill development as a function of chronological age.

**KIN 388 Psychology of Physical Activity 4**

Examination of the psychological theories and research related to physical activity with emphasis on application in sport and exercise settings.

**Prerequisites:** Grade of C or higher in KIN 250. PSY 121.

**KIN 390 Prevention and Emergency Care of Injuries I 2**

Introduction to the field of sports medicine emphasizing principles of prevention of orthopedic injuries and management of life-threatening and catastrophic injuries.

**Corequisites:** KIN 391.

**KIN 391 Prevention and Emergency Care of Injuries II 1**

Laboratory sessions and supervised field experience. Introduction to the field of sports medicine emphasizing principles of prevention of orthopedic injuries and management of life-threatening and catastrophic injuries.

**Corequisites:** KIN 390 or permission of instructor.

**KIN 396 Dissecting Martial Arts in Contemporary China 6**

Critical analysis of Chinese martial arts and its function in and conflict with contemporary China; cultural awareness of martial arts' influence in health, education, performing arts, and business decision-making in China.

**Notes:** May be repeated once for credit.

**KIN 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**KIN 419 Mentoring in Community Youth Development Programs 2**

Service learning experience mentoring an elementary or middle school youth in a community youth sport program. On campus seminars required.

**Notes:** May be repeated for credit.

**KIN 420 Physical Activity Programs for Underserved Youth 3**

Overview of community-based programs designed to meet the needs of underserved youth; roles of universities and community agencies in such programs; development of leadership skills.

**KIN 421 Evaluation of Physical Activity Programs in Youth Development 3**

Examination of traditional and nontraditional strategies for effective youth program evaluation; attention to analysis and interpretation of data used in conducting such evaluations.

**Prerequisites:** KIN 420.

**KIN 430 Play, Games, and Sport 3**

Examination of major conceptualizations of play, games, and sport; comparisons and contrasts among the concepts.

**KIN 436 Anatomical Basis of Athletic Injury 2**

Focus on the link between anatomical structure, function, and athletic injury evaluation. The functional consequence of injury and rehabilitation on anatomical structures will also be addressed.

**Prerequisites:** Grade of C or higher in KIN 291 or BIO 271.

**KIN 441 Foundational Skills in Sports Medicine 3**

Development of foundational skills and techniques for medical health professionals. Emphasis on functional palpation, sport specific movement analysis, and understanding of orthopedic pathologies.

**Prerequisites:** Grade of C or higher in KIN 291 (or BIO 271).

**KIN 445 Psychology of Coaching 3**

Overview of sport psychology principles applied to the teaching and coaching of sport activities.

**Prerequisites:** PSY 121, Grade of C or higher in KIN 388.

**KIN 450 Instructional Strategies for School Health Education 3**

This course prepares students to teach K-12 health education. The course focuses on methods, instructional practices, assessment, and reflection on effective health education.

**Prerequisites:** KIN 354. Senior PHHT majors; Admitted to Teacher Education Program; 3.0 GPA;

**Corequisites:** KIN 454 and KIN 460.

**Notes:** Professional liability insurance required.

**KIN 454 Curriculum and Teaching: Secondary School Physical Education 3**

Planning and organizing for teaching and observation of movement in secondary school physical education. Emphasis on the analysis of the teaching process, curriculum development, and selection of appropriate content.

**Prerequisites:** KIN 354, KIN 375. Admitted to Teacher Education Program; Senior PHHT majors; 3.0 GPA;

**Corequisites:** KIN 450, KIN 460.

**Notes:** Professional liability insurance required.

**KIN 456 Teaching Practicum II: Children's Physical Activity 2**

Practicum experiences in teaching physical activity to children with special emphasis on lesson planning, management, assessment, task presentation, and content development.

**Prerequisites:** Admission to Community Youth Sport Development concentration.

**Corequisites:** Concurrent enrollment in KIN 235.

**KIN 457 Teaching Practicum: Adolescents' Physical Activity 2**

Practicum experiences in teaching physical activity to adolescents with special emphasis on lesson planning, management, assessment, task presentation, and content development.

**Prerequisites:** KIN 235. Kinesiology major with Community Youth Sport Development concentration;

**Notes:** Professional liability insurance required.

**KIN 460 Teaching Physical Education and Health Internship 3**

Supervised field experience in Physical Education and Health Teacher Education in an approved local school setting. Includes campus meetings.

**Prerequisites:** KIN 375, KIN 386. 3.0 GPA; Senior PHHT major; admission to the Teacher Education Program;

**Corequisites:** KIN 450, KIN 454.

**Notes:** Professional liability insurance required.

**KIN 461 Student Teaching and Seminar in Physical Education 12**

Block courses in professional semester for teacher education majors. Techniques of teaching physical education under supervision. Full-time teaching in schools. Weekly seminars.

**Prerequisites:** Program requirements leading to student teaching.

Methods courses (KIN 354, KIN 379, KIN 450, KIN 454, and KIN 460) must be taken at UNCG; 3.0 GPA; PHHT major;

**Notes:** Professional liability insurance required. Grade: Pass/Not Pass (P/ NP); ARC FA and CPR must be current.

**KIN 462 Student Teaching and Seminar in Physical Education 6**

Block courses in professional semester for teacher education majors. Techniques of teaching physical education under supervision. Full-time teaching in schools. Weekly seminars.

**Prerequisites:** Program requirements leading to student teaching.

Methods courses (KIN 235, KIN 354, KIN 453, KIN 454, KIN 455, and KIN 460) must be taken at UNCG; Admission by application only; 2.50 GPA; All other course work must be complete to enroll;

**Notes:** Professional liability insurance required. Grade: Pass/Not Pass (P/ NP); ARC FA and CPR must be current; Admission to Teacher Education Program is required.

**KIN 465 History of the Olympic Games 3**

Development of the Olympic Games movement in both the ancient world and modern era. Consideration of cultural, philosophical, political, economic, and performance perspectives.

**KIN 466 Practicum in the HOPE Program 3**

Practical experience working with a wide variety of individuals in the HOPE program designing and implementing exercise programs in a supervised setting. Emphasis on applying knowledge in a hands-on environment and building professional skills including: interpersonal, communication, leadership, and adaptability.

**Prerequisites:** Grade of C or higher in KIN 379.

**Notes:** Professional liability insurance required. May be repeated twice for credit.

**KIN 468 Exercise Assessment, Testing, and Prescription for Fitness and Rehabilitation Professionals 3**

Developing proficiency in clinical skills related to health and fitness assessments and design of individualized exercise prescriptions in fitness and rehabilitation settings. Focus on experiential learning and hands-on skills.

**Prerequisites:** Grade of C or higher in KIN 265, KIN 291 (or BIO 271) and KIN 292 (or BIO 277).

**KIN 468L Exercise Testing and Prescription I Laboratory 0**

Laboratory supporting KIN 468.

**Corequisites:** KIN 468.

**KIN 469 Exercise Testing and Prescription II 3**

Scientific principles of safe and effective exercise testing and prescription for persons with chronic disease and other medical conditions. Includes basics of electrocardiography.

**Prerequisites:** Grade of C (2.0) or higher in KIN 265, KIN 291 (or BIO 271), and KIN 292 (or BIO 277).

**KIN 470 Development and Implementation of Fitness Programs 3**

Preparation in planning, designing, developing, organizing, programming, implementing, directing, and evaluating fitness programs.

**KIN 471 Internship Preparation in Kinesiology 1**

Professional preparation, planning, and placement for supervised internship experience (KIN 496).

**Prerequisites:** 2.50 overall GPA, permission of instructor.

**KIN 475 Independent Study 1-3**

Intensive work in area of special interest in Kinesiology. Available to qualified students on recommendation of academic advisor, instructor, and undergraduate program coordinator.

**Prerequisites:** Demonstrated competency for independent work and permission of academic advisor, instructor, and undergraduate program coordinator.

**Notes:** May be repeated for a total of up to 6 s.h.

**KIN 477 Coaching Practicum in a Selected Sport 3**

Opportunity for prospective coach to assume various responsibilities in coaching a selected sport under the guidance of a qualified coach.

**Prerequisites:** Current First Aid/Sports Safety Certification. Upper division students seeking minor in sport coaching, or permission of instructor;

**Notes:** Professional liability insurance required.

**KIN 479 Exercise and Older Adults 3**

Basic principles underlying exercise/aging. The delivery of exercise information and the conduct of exercise programs for older adults.

**Prerequisites:** Junior standing. permission of instructor.

**KIN 481 Nutrition and Physical Fitness 3**

Metabolism during exercise, ergogenic aids, nutrients' effects on performance, and body composition alterations during training. Gender and age-specific needs and responses to exercise and dietary intake.

**Prerequisites:** Grade of C (2.0) or better in BIO 277 and NTR 213 and NTR 413 (or equivalents). KIN 375 recommended.

**KIN 493 Honors Work 3-6**

**Prerequisite:** Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**KIN 496 Kinesiology Internship 3,6**

A supervised field experience in qualified agencies. Application process is required for permission to register. Course involves specific assignments, supervision, seminars on campus, and evaluation of student's performance.

**Prerequisites:** None.

**Notes:** An application process must be completed prior to registration. Course may be repeated for credit if taken for three (3) s.h.; total hours for course may not exceed six (6) s.h.

**KIN 519 Mentoring in Community Youth Development Programs 2**

Service learning experience mentoring an elementary or middle school youth in a community youth sport program. On campus seminars required.

**Notes:** May be repeated for credit.

**KIN 520 Physical Activity Programs for Underserved Youth 3**

Overview of community-based programs designed to meet the needs of underserved youth; roles of universities and community agencies in such programs; development of leadership skills.

**KIN 521 Evaluation of Physical Activity Programs in Youth Development 3**

Examination of traditional and nontraditional strategies for effective youth program evaluation; attention to analysis and interpretation of data used in conducting such evaluations.

**Prerequisites:** KIN 520.

**KIN 536 Anatomical Basis of Athletic Injury 3**

Focus on the link between anatomical structure, function, and athletic injury evaluation. The functional consequence of injury and rehabilitation on anatomical structures will also be addressed.

**Prerequisites:** Undergraduate anatomy and physiology.

**KIN 570 Development and Implementation of Fitness Programs 3**

Preparation in planning, designing, developing, organizing, programming, implementing, directing, and evaluating fitness programs.

**KIN 576 Nutrition and Physical Fitness 3**

Metabolism during exercise, ergogenic aids, nutrients' effects on performance, and body composition alterations during training. Gender and age-specific needs and responses to exercise and dietary intake.

**KIN 579 Exercise and Older Adults 3**

Basic principles underlying exercise/aging. The delivery of exercise information and the conduct of exercise programs for older adults.

**KIN 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**KIN 601 Applying Research to Professional Practice 3**

This course is designed for future practitioners in health and physical activity to gather, read, interpret, assess, and apply research to their fields.

**KIN 620 Athletic Training Clinical Experience 3**

Supervised field experience in an assigned athletic training clinical setting. Students are required to complete 300 clock hours under the supervision of an approved clinical instructor.

**Prerequisites:** Admission to the MSAT degree program.

**Notes:** Must be taken four times.

**KIN 622 Internship in Community Youth Sport Development Programs 6**

Supervised field experience in qualified agencies. Course involves specific assignments, seminars on campus, and evaluation of student's performance.

**Prerequisites:** KIN 520, KIN 521.

**Notes:** Grade: Satisfactory/Unsatisfactory, S/U.

**KIN 623 Detection and Correction on Functional Movement Patterns in the Physically Active Population 2**

The course addresses the detection and correction of functional movement patterns such as gait and throwing mechanics, and principles of basic strength and conditioning.

**KIN 624 Assessment and Treatment of the Lumbo-Pelvic-Hip Complex 2**

This course will review the anatomy, assessment, acute treatment, and rehabilitation of injuries in physically active populations as related to the lumbo-pelvic hip complex.

**KIN 630 Sport and Society: Social Inequalities 3**

Survey of current theories and research in the sociological study of sport, physical activity, and exercise; focus on sport and major social institutions, social inequalities, and social change.

**Prerequisites:** KIN 330, introductory sociology, or permission of instructor.

**KIN 633 Emergency Care Athletic Training 3**

Evaluation and treatment skills for athletic injuries to the head, face, neck, heart, trunk, thorax, abdomen, and those caused by the environment. Acute first-aid considerations in life-threatening and emergent situations will also be covered in-depth.

**KIN 634 Athletic Training Foundations 3**

Introduction of concepts and skills related to the prevention and treatment of athletic injuries, and management of life-threatening and catastrophic injuries.

**Prerequisites:** Admission to MSAT degree program or permission of instructor.

**KIN 636 Assessment and Treatment of the Lower Extremity 4**

Recognizing, evaluating, treating, and rehabilitating various lower extremity orthopedic injuries commonly sustained in the athletic environment.

**KIN 638 Assessment and Treatment of the Upper Extremity 4**

Recognizing, evaluating, treating, and rehabilitating various upper extremity orthopedic injuries commonly sustained in the athletic environment.

**KIN 640 Rehabilitation Techniques for Athletic Injuries 4**

Awareness, understanding, and application of principles and skills pertaining to rehabilitation of injuries in physically active populations.

**Prerequisites:** Admission into the MSAT degree program or permission of instructor.

**Corequisites:** Admission into the MSAT degree program or permission of instructor.

**KIN 642 Optimizing Athletic Performance 3**

Exploration of sports nutrition, ergogenic aids, and strength and conditioning principles within the context of sport injury and rehabilitation.

**Prerequisites:** Admission to MSAT degree program or permission of instructor.

**KIN 643 Mechanical Analysis of Motor Skills 3**

Mechanical principles applied to the teaching and analysis of selected sports activities; evaluation of modern bio-mechanical techniques.

**KIN 644 Psychology of Sport and Exercise 3**

Theories and research related to sport psychology; individual differences, motivation and social influence processes related to sport and exercise behavior.

**Prerequisites:** Introductory psychology or permission of instructor.

**KIN 645 Exercise Psychology 3**

Examination of the effects of exercise on various factors (e.g., stress, mood) and the effects of psychological variables (e.g., biofeedback, motivation) on exercise.

**KIN 649 Principles of Physical Activity Behavior Change 3**

This course will acquaint graduate students with the application of major theories and models used to design and guide the development of contemporary physical activity interventions.

**Prerequisites:** Students admitted to the Sport and Exercise Psychology and Applied Sport Psychology concentrations within the Kinesiology Department. Students from other program areas and departments may be admitted with instructor permission.

**KIN 653 History of American Sport and Exercise Science 3**

Study of development of sport and exercise science in the U.S. with special emphasis on the evolving institutional involvement of schools and colleges.

**KIN 656 Psycho-Social Aspects of Teaching Physical Education and Sport 3**

Social and psychological factors that influence instructional interactions and the perceptions of teachers, coaches, and students.

**Prerequisites:** Previous teaching experiences or permission of instructor.

**KIN 658 Multiculturalism and Physical Education Curriculum 3**

Cultures, cultural influence, race, gender and class roles, as they intersect with physical ability in physical activity, hidden curriculum issues, diverse cultures as curricular resources, culturally relevant pedagogy in PE.

**KIN 659 Professional Development Seminar 0.5**

Conversations about scholarship and professional issues, career and academic paths, and research relevant to sub-disciplines in kinesiology.

**Notes:** May be repeated for up to 2 credit hours. Grading method is Satisfactory/Unsatisfactory (S/U).

**KIN 667 Exercise Electrocardiography and Cardiopulmonary Medications 3**

Electrocardiography and mechanisms/side effects of cardiopulmonary medications most likely encountered in clinical exercise settings. Particularly appropriate for students interested in cardiopulmonary rehabilitation and clinical exercise testing.

**Prerequisites:** KIN 375 or equivalent or permission of instructor.

**Corequisites:** KIN 670 or permission of instructor.

**KIN 668 Advanced Exercise Assessment 3**

Exercise testing for cardiorespiratory fitness and disease diagnosis. Knowledge of ECG interpretation and cardiorespiratory pharmacology applied to clinical exercise testing. Also covers body composition and musculoskeletal fitness testing.

**Prerequisites:** KIN 468 or equivalent, KIN 670, or permission of instructor.

**KIN 669 Advanced Exercise Prescription 3**

Prescription of exercise for healthy, at-risk, and diseased individuals. Covers exercise prescription objectives for American College of Sport's Medicine's Exercise Specialist and Health Fitness certifications.

**Prerequisites:** KIN 670 or permission of instructor.

**KIN 670 Physiology of Exercise 3**

In-depth study of the physiological basis of human physical performance with emphasis on the acute response and chronic adaptations of the body to exercise.

**Prerequisites:** KIN 375 or permission of instructor.

**KIN 675 Applied Human Work Physiology 3**

Physiological factors which influence the exercise and performance capabilities of humans.

**Prerequisites:** KIN 375 or equivalent, or by permission of instructor.

**KIN 680 Mental Skills for Coaching Athletes 3**

In-depth review of psychological principles applied to coaching sport activities, including theory and application of mental skills training and motivational techniques.

**KIN 682 Working with Diverse Populations in Sport and Performance Psychology 3**

Explores the systematic study of behavior, cognition, and affect in sport and performance-related settings where people of different backgrounds interact. Focus is on theories and competencies for consulting in diverse performance contexts. Additional topics include biases, prejudices, oppression, discrimination, acculturation, and their effects on physical and mental health.

**KIN 683 MRI for Brain Mapping 3**

Introduction to magnetic resonance imaging (MRI) methods and applications, with a specific focus on understanding how MRI is used to quantify brain structure and function in the study brain and behavior relationships.

**KIN 694A Internship in Kinesiology 3-6**

Supervised field experience appropriate to the student's interests and background in selected settings during the final phases of the student's curricular plan.

**Prerequisites:** Permission of Instructor.

**Notes:** May be repeated once for credit.

**KIN 694B Internship in Kinesiology 3-6**

Supervised field experience appropriate to the student's interests and background in selected settings during the final phases of the student's curricular plan.

**Prerequisites:** Permission of Instructor.

**Notes:** May be repeated once for credit.

**KIN 695 Independent Study 1-3**

Intensive study in an area of special interest in physical education.  
**Prerequisites:** Demonstrated competency for independent work and permission of departmental academic advisor and the instructor.

**KIN 699 Thesis 1-6****KIN 700 Special Topics in Kinesiology 3**

Advanced study in special topics from the various subspecialties within the field of kinesiology.

**KIN 701 Research Topics in Kinesiology 3**

Intensive examination of specific topics; critical review of current literature.

**Prerequisites:** Prerequisites and defined research competencies will vary according to topic.

**Notes:** May be repeated for credit when topic varies.

**KIN 702 Research Seminar in Applied Neuromechanics 1**

Exploration of the assessment of neuromechanical function of the extremities and its relationship to performance, joint instability, and injury risk.

**Prerequisites:** Graduate student in KIN with an applied neuromechanical focus or permission of instructor.

**Notes:** May be repeated for a total of 3 credit hours when topic varies.  
Grade: Satisfactory/Unsatisfactory (S/U).

**KIN 704 Athletic Training Seminar 3**

Study course for the National Athletic Trainers' Association Board of Certification (BOC) examination involving review examinations and projects on the 5 BOC practice domains for athletic training.

**Prerequisites:** Admission into the MSAT degree program or permission of instructor.

**Corequisites:** Admission into the MSAT degree program or permission of instructor.

**KIN 705 Applied Rehabilitation Concepts 3**

Capstone experience involving the supervision of a comprehensive orthopedic rehabilitation project and writing a final document to summarize patient outcomes.

**Prerequisites:** Admission into the MSAT degree program or permission of instructor.

**Corequisites:** Admission into the MSAT degree program or permission of instructor.

**KIN 706 Online Pedagogy in Kinesiology and Related Professions 3**

Online course design in Kinesiology and related professions using evidence-based best practices. Creation of online course and its modules using a collaborative, learner-centered approach to online instruction.

**KIN 709 Mentored Teaching in Kinesiology 1-3**

Mentored teaching experience in kinesiology developed by student and faculty mentor, beyond graduate assistantship.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a maximum of 6 credits. Grade: Satisfactory/Unsatisfactory (S/U).

**KIN 712 Current Research and Issues in Sport and Exercise Psychology 1**

Exploration of current research and issues within sport and exercise psychology; emphasis on developing a broad understanding of sport and exercise psychology scholarship and its relationship to Kinesiology. May be repeated for a total of 3 credit hours when topic varies.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**KIN 713 Internship in Kinesiology 3-6**

Supervised field experience appropriate to the student's interests and background in selected settings during the final phases of the student's curricular plan.

**Prerequisites:** Permission of instructor in addition to the following: cumulative GPA of 3.0 or better. completed Core Required Course(s) or Core Requirement for concentration area with grade of B or better; KIN 713A- For internships that are not in preventative or clinical settings; No additional prerequisites; KIN 713B- For internships in preventative or clinical settings; Additional prerequisite: Grade of P in KIN 471;  
**Notes:** 3-6 credits per term, with a maximum of 12 being allowed. Grading method is Satisfactory/Unsatisfactory (S/U).

**KIN 714 Field Practicum in Kinesiology 1-6**

Developing, implementing, and/or evaluating a focused set of professional activities in a field setting. Requires guidance, approval, and evaluation by one faculty member.

**Notes:** May be repeated for a maximum of 9 credits. Grade: Satisfactory/Unsatisfactory (S/U).

**KIN 715 Professional Ethics in Health and Human Sciences 3**

A view of professional ethics in health and human sciences through the lens of Boyer's model of scholarship (discovery/integration, application, teaching/learning).

**KIN 716 Action-Oriented Research in Kinesiology 3**

An overview of research approaches and methods in kinesiology with an emphasis on application in professional practice.

**Notes:** Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

**KIN 717 Qualitative Research Methods in Kinesiology 3**

Research design and methods for health and human science settings including data source sampling; collection/analysis of artifact, observation, interview, focus group data; within case analysis, writing case reports.

**KIN 718 Cardiovascular Aspects of Exercise Physiology 3**

Effects of acute and chronic exercise on heart function and size, peripheral vasculature, hemodynamics and cardiac output.

**Prerequisites:** KIN 670 or permission of instructor.

**KIN 719 Muscular Aspects of Exercise Physiology 3**

Effects of acute and chronic exercise on muscular mechanics, blood supply, size of muscle, fiber types, fatigue and physical performance.

**Prerequisites:** KIN 670 or permission of instructor.

**KIN 720 Pathophysiology and Pharmacology 3**

In-depth study of the pathophysiology and pharmacologic treatment of major illnesses, injuries, and diseases observed in clinical settings.

**Prerequisites:** KIN 375 and BIO 111 or equivalent or permission of instructor.

**KIN 721 General Medical Conditions 3**

Lecture and laboratory experiences to develop clinical skills in assessment and management of general medical situations common to athletic training.

**Prerequisites:** Admission to MSAT degree program or permission of instructor.

**Corequisites:** KIN 720.

**Notes:** Lab fee for supplies required.

**KIN 723 Statistical Methods for Kinesiology 3**

Basic statistics with applications for kinesiology.

**KIN 724 Physical Activity and Health 3**

Health benefits and risks of physical activity/exercise. Course content parallels the 1996 U.S. Surgeon General's report Physical Activity and Health with updated referencing.

**Prerequisites:** KIN 375 or equivalent or permission of instructor.

**KIN 725 Management and Professional Issues in Athletic Training 3**

The administration and organization of athletic training health care programs and facilities. Current issues in athletic training professional conduct and practice will also be discussed.

**Prerequisites:** Admission to MSAT degree program or permission of instructor.

**KIN 726 Development and Implementation of Fitness Programs 3**

Preparation in planning, designing, developing, organizing, programming, implementing, directing, and evaluating fitness programs.

**KIN 727 Nutrition and Physical Fitness 3**

Metabolism during exercise, ergogenic aids, nutrients' effects on performance, and body composition alterations during training. Gender and age-specific needs and responses to exercise and dietary intake.

**KIN 728 Advanced Motor Learning and Control 3**

Explores the nature and basis of skill acquisition, performance, retention, and transfer. Provides a theoretical research foundation to further understanding of motor skill acquisition and factors that influence the learning of motor skills.

**KIN 729 Learning and Performance of Physical Skills 3**

Application of principles of learning to the learning and performance of physical skills, including the social, emotional, and personality factors affecting skill acquisition.

**Prerequisites:** General and developmental psychology (9 hours), or permission of the instructor.

**KIN 730 Neural Aspects of Motor Control 3**

Multi-disciplinary seminar exploring theories and mechanisms of neuromuscular control of human movement.

**Prerequisites:** Undergraduate survey course in motor learning/control or permission of instructor.

**KIN 731 Curriculum Development in Kinesiology 3**

Modern principles and practices in curriculum construction and current theories of curriculum development in Kinesiology.

**KIN 732 Analysis of Teaching and Learning 3**

Introduction to quantitative and qualitative methods for evaluating teaching and learning including techniques of classroom observation, classroom climate analysis, and student engagement. Extends the research competencies of those interested in pedagogical assessment.

**KIN 735 Program Evaluation and Evidence-Based Practice in Physical Activity Programs 3**

Concepts, processes and methods, results interpretations, and issues in the evaluation of in physical activity programs/interventions; reflection and critique of different evaluation philosophies, theories, methods, and policy ramifications in program evaluation.

**KIN 736 Leadership, Advocacy, and Social Justice in Kinesiology 3**

Framed around questions of equity, ethics and social justice, and designed to prepare leaders to address complex problems of practice.

**KIN 737 Applied Data Analysis in Kinesiology 3**

Provides an overview of basic quantitative and qualitative data analysis methods that can be applied to address problems of practice.

**KIN 738 Sport-based Youth Development 3**

Current principles, practices, and research related to programs that promote youth development outcomes through sport participation.

**KIN 739 Knowledge and Scholarship in Kinesiology 3**

Defines and describes the role of scholarship in enhancing research, professional practice, and community well-being as it relates to kinesiology.

**KIN 740 Psychology of Sport and Exercise 3**

Theories and research related to sport psychology. Individual differences, motivation and social influence processes related to sport and exercise behavior.

**Prerequisites:** Introductory psychology or permission of instructor.

**KIN 741 Exercise Psychology 3**

Examination of the effects of exercise on various factors (e.g., stress, mood) and the effects of psychological variables (e.g., biofeedback, motivation) on exercise.

**KIN 742 Mechanical Analysis of Motor Skills 3**

Mechanical principles applied to the teaching and analysis of selected sports activities. Evaluation of modern bio-mechanical techniques.

**KIN 743 Psychological Aspects of Sport Injury 3**

Psychological factors and intervention strategies as they relate to the risk, experience, and treatment of athletic injuries from a biopsychological perspective.

**Prerequisites:** KIN 644, Applied Sport Psychology concentration or permission of instructor.

**KIN 744 Applied Sport Psychology 3**

Current research in applied sport psychology; sport-specific individual differences, motivational approaches, and interventions.

**Prerequisites:** KIN 644.

**KIN 745 Social Psychology and Physical Activity 3**

Current theories, research methodologies and findings related to the social psychological aspects of sport and exercise behavior; emphasis on application in professional practice.

**Prerequisites:** Permission of instructor.

**KIN 746 Practicum in Applied Sport and Exercise Psychology 1-3**

Skill development and application of theory in practice in applied sport psychology through supervised work in a laboratory and/or field setting.

**Prerequisites:** KIN 744 or equivalent and permission of instructor.

**Notes:** May be repeated for up to 10 credit hours. no more than 6 credit hours can count toward degree requirements; lab fee required each semester; grade method is Satisfactory/Unsatisfactory (S/U).

**KIN 748 Advanced Topics in Sport Exercise and Psychology 3**

Advanced study in special topics within a field of sport and exercise psychology.

**Notes:** May be repeated for credit when topic varies for a maximum of 12 credits.

**KIN 750 Seminar in Kinesiology 3**

Integrative seminar focusing on major issues confronting the field of kinesiology, and applying concepts to professional practice and higher education.

**Notes:** Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

**KIN 751 Advanced Research Seminar in Kinesiology 3**

Integrative seminar focusing on development, refinement, and presentation of research.

**Notes:** Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

**KIN 752 Advanced Professional Seminar in Kinesiology 3**

An advanced doctoral seminar focused on developing students' professional leadership and collaborative skills, while also supporting the advancement of dissertation research.

**Notes:** Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

**KIN 753 Professional Dissertation Seminar 1-3**

Develop, discuss, and prepare to defend doctoral dissertation proposal.

**Prerequisites:** KIN 751 or permission of instructor.

**KIN 756 Psycho-Social Aspects of Teaching Physical Education and Sport 3**

Social and psychological factors that influence instructional interactions and the perceptions of teachers, coaches, and students.

**Prerequisites:** Previous teaching experiences or permission of instructor.

**KIN 758 Multiculturalism and Physical Education Curriculum 3**

Cultures, cultural influence, race, gender and class roles, as they intersect with physical ability in physical activity, hidden curriculum issues, diverse cultures as curricular resources, culturally relevant pedagogy in PE.

**KIN 759 Professional Development Seminar 0.5**

Conversations about scholarship and professional issues, career and academic paths, and research relevant to sub-disciplines in kinesiology.

**Notes:** May be repeated for up to 3 credit hours. Grading method is Satisfactory/Unsatisfactory (S/U).

**KIN 762 Program Design in Kinesiology and Related Professions 3**

Methods for designing academic programs in Kinesiology and related fields. Leadership skills, strategic planning, and implementing a program are the focus of this class.

**KIN 767 Exercise Electrocardiography and Cardiopulmonary Medications 3**

Electrocardiography and mechanisms/side effects of cardiopulmonary medications most likely encountered in clinical exercise settings. Particularly appropriate for students interested in cardiopulmonary rehabilitation and clinical exercise testing.

**Prerequisites:** KIN 375 or equivalent or permission of instructor.

**Corequisites:** KIN 770 or permission of instructor.

**KIN 768 Advanced Exercise Assessment 3**

Exercise testing for cardiorespiratory fitness and disease diagnosis.

Knowledge of ECG interpretation and cardiorespiratory pharmacology applied to clinical exercise testing. Also covers body composition and musculoskeletal fitness testing.

**Prerequisites:** KIN 468 or equivalent, KIN 770, or permission of instructor.

**KIN 769 Advanced Exercise Prescription 3**

Prescription of exercise for healthy, at-risk, and diseased individuals.

Covers exercise prescription objectives for American College of Sport's Medicine's Exercise Specialist and Health Fitness certifications.

**Prerequisites:** KIN 770 or permission of instructor.

**KIN 770 Physiology of Exercise 3**

In-depth study of the physiological basis of human physical performance with emphasis on the acute response and chronic adaptations of the body to exercise.

**Prerequisites:** KIN 375 or permission of instructor.

**KIN 775 Applied Human Work Physiology 3**

Physiological factors which influence the exercise and performance capabilities of humans.

**Prerequisites:** KIN 375 or equivalent or permission of instructor.

**KIN 778 Professional Seminar in Grant Writing 3**

An advanced doctoral seminar on the grant writing process. Students will develop proposals appropriate for any agencies and foundations that fund applied research and professional programs.

**Notes:** Registration restricted to students enrolled in the Ed.D. in Kinesiology program.

**KIN 779 Dissertation Presentation Seminar 1**

A seminar focusing on students' dissertation research. Satisfactory completion requires presentation of the dissertation in an on-campus seminar; typically completed in the student's final semester.

**Prerequisites:** Admission to the EdD in Kinesiology degree program.

**KIN 795 Independent Doctoral Research 1-6**

In-depth study of a problem in exercise and sport science. May include a synthesis/review of literature, scientific investigation, or design, implementation, or evaluation of project.

**Prerequisites:** Prior approval of graduate faculty member who will supervise and evaluate the project.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**KIN 798 Doctoral Seminar in Grant Writing 3**

The grant writing process, including the procedures and technical strategies for developing and submitting a grant proposal for funding.

**Prerequisites:** Prior approval of graduate faculty member who will supervise and evaluate the project.

**Corequisites:** KIN 795.

**Notes:** Grading method is Satisfactory/Unsatisfactory (S/U).

**KIN 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**KIN 801 Thesis Extension 1-3**

Thesis Extension.

**KIN 802 Dissertation Extension 1-3**

Dissertation Extension.

**KIN 803 Research Extension 1-3****Korean (KOR)****KOR 101 Elementary Korean I 3**

Introduction to the Korean language and culture. Emphasis on the basic writing system (Hangeul), as well as on active listening, speaking, writing, reading, and applied vocabulary.

**KOR 102 Elementary Korean II 3**

Continued study of elementary-level Korean language and culture. Further study of the Hangeul writing system with continuing emphasis on listening, speaking, writing, and reading skills and applied vocabulary.

**Prerequisites:** KOR 101 or permission of instructor.

**Notes:** Students with previous knowledge of Korean are required to meet with a designated faculty member. Students who are native or heritage speakers of Korean MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**KOR 203 Intermediate Korean I 3**

Intermediate-level study of the Korean language and culture. Further acquisition of the Hangeul writing system with continuing development of listening, speaking, writing, and reading skills and applied vocabulary.

**Prerequisites:** KOR 102 or permission of instructor.

**Notes:** Students with previous knowledge of Korean are required to meet with a designated faculty member. Students who are native or heritage speakers of Korean MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**KOR 204 Intermediate Korean II 3**

The second intermediate-level course on the Korean language and culture. Further acquisition of Hangeul with continuing development of grammar concepts, applied vocabulary, and skills in listening, speaking, writing, and reading.

**Prerequisites:** KOR 203 or permission of instructor.

**Notes:** Students with previous knowledge of Korean are required to meet with a designated faculty member. Students who are native or heritage speakers of Korean MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

## Languages, Literatures, and Cultures (LLC)

**LLC 111 Connection, Collaboration, and Inquiry 1**

This course explores connections among diverse fields of study and/or perspectives to promote deeper understanding and develop global awareness, a capacity for active citizenship, collaboration, communication, and lifelong learning skills.

**Prerequisites:** Enrollment in the Global Village.

**Notes:** May be repeated once for credit.

**LLC 120 Global Crossings: Topics in Images, Media, and Texts 3**

This course explores global topics embodied in literature, film, music, art, and other cultural practices, from humanistic perspectives. Topics may include national identity, citizenship, immigration, space, memory, revolution, and hegemony.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Living Learning Community. Students: placement test or consult with instructor;

**Notes:** Intended for freshmen. May be repeated once, when topic varies.

**LLC 120R Global Crossings Recitation 0**

Breakout session for LLC 120.

**LLC 130 Global Green: Cultures of Production and/or Consumption 3**

This course explores global sustainability by tracing products from origin to consumer, examining related cultural practices, including those embodied in literature, film, music, and art. Topics include textiles, chocolate, tea, and ecotourism.

**MAC:** MAC Diversity and Equity

**LLC 130R Global Green Recitation 0**

Breakout session for LLC 130.

**LLC 222 Foundational Topics in Languages, Literatures, and Cultures 3**

Study of texts linking language areas and cultural traditions. Topics may include national identity, space, and memory as shaped by cultural intersections.

**MAC:** MAC Global and Intercultural

**Notes:** Taught in English. May be repeated for a total of 6 s.h.

**LLC 250 Global Cultures Through Film: Angles of Vision 3**

This course explores global topics embodied in films produced in different regions of the world. It provides diverse cultural frames of reference and alternative perspectives on current global issues.

**MAC:** MAC Diversity and Equity

**LLC 340 Topics: Languages for Professions 3**

This course provides basic language skills in the non-English languages taught at UNCG for working in a variety of professional contexts.

**Prerequisites:** SPA 301 or SPA 302 or FRE 301 or GER 301. or permission of instructor;

**Notes:** May be repeated up to three times for a total of 9 s.h.

**LLC 355 Topics in Languages, Literatures, and Cultures 3**

Study in English of selected topics in literature or film linking multiple periods, language areas, and cultural traditions represented in LLC; includes guest seminars by department and visiting experts.

**Prerequisites:** LLC 120, LLC 130, LLC 222, or LLC 250. or permission of instructor;

**Notes:** May be repeated three times for credit.

**LLC 389 LLC Service Learning 3**

Through hands-on service projects, students learn to collaborate, gather, and evaluate information, make connections among diverse perspectives, and develop global awareness, capacity for active citizenship, and skills for lifelong learning.

**LLC 399 Cultural Immersion through Community-Based Service Learning 3**

Field experience for undergraduates with basic to intermediate proficiency requiring interaction and/or active-language use in the community.

**Prerequisites:** Completion (or proficiency equivalent to) of 204 course number in the target language or permission of instructor.

**Corequisites:** 300-level course taught in the target language or permission of instructor.

**Notes:** Offered by UNCG summer Study Abroad programs.

**LLC 412 Teaching Second Languages in K-12 3**

Study of second language teaching approaches applicable to the K-12 school classroom. Students learn to develop and evaluate materials applicable to effective second language programs in K-12 schools.

**Prerequisites:** TED 445 and admission to teacher education program or permission of department.

**LLC 419 Second Language Acquisition 3**

Introduction to scientific research of the various processes of how people learn a second or foreign language.

**Prerequisites:** FRE 415 or SPA 415 or SPA 442 or SPA 445, or permission of department.

**LLC 455 Advanced Topics: Rebels and Revolutionaries in Languages, Literatures, and Cultures 3**

In-depth study of world literature, through a variety of critical and historical approaches, based on themes, geographical areas, genres, or periods exploring the concepts of rebellion and revolution.

**CIC:** CIC College Writing

**Prerequisites:** LLC 120 or LLC 130 or LLC 222 or LLC 250. or permission of instructor;

**Notes:** May be repeated three times for credit.

**LLC 465 Student Teaching and Seminar in World Languages 12**

Supervised student teaching in K-12 setting under the direction of university supervisor. Observation, participation, and appropriate classroom teaching experience on a full-time teaching assignment for a full semester with weekly seminar.

**Prerequisites:** LLC 512. TED 445; Senior standing; Admission to the Teacher Education Program or permission of department; overall 2.75 GPA as well as 2.75 GPA in the major.

**LLC 468 African History and Cultures through Film 3**

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

**Notes:** Same as HIS 469. may be repeated once for credit when topic varies.

**LLC 499 Community-Based Service Learning 3**

Through interaction with immigrants and refugees in the Greensboro community, students will use their second language skills with native speakers and act as a cultural broker (a bridge between both cultures) in this service-learning internship course.

**LLC 512 Teaching Second Languages in K-12 3**

Study of second language teaching approaches applicable to the K-12 school classroom. Students learn to develop and evaluate materials applicable to effective second language programs in the K-12 schools.

**Prerequisites:** TED 445 or TED 545 or permission of department.

**LLC 519 Second Language Acquisition 3**

Introduction to scientific research of the various processes of how people learn a second or foreign language.

**LLC 568 African History and Cultures through Film 3**

Examines how Africans are portrayed in a variety of film genres, focusing on representations of race, gender, class, and sexuality in world cinema and legacies of colonialism.

**Notes:** Same as HIS 568.

**LLC 599 Community-Based Service Learning 3**

Through interaction with immigrants and refugees in the Greensboro community, students will use their second language skills with native speakers and act as a cultural broker (a bridge between both cultures) in this service-learning internship course.

**LLC 600 Methods of Teaching Modern Languages 3**

Methods and techniques for teaching modern languages at the college level.

**Prerequisites:** Admission to MA in Languages, Literatures, and Cultures or departmental permission.

**LLC 601 Research Methods and Critical Analysis 3**

Research and analysis in literary and cultural criticism. Designed especially for entering MA students.

**Prerequisites:** Admission to MA in Languages, Literatures, and Cultures or departmental permission.

**LLC 665 Clinical Practice/Seminar in Teaching World Languages 3-6**

Clinical practicum in teaching foreign language. Observation, participation, and appropriate classroom teaching experience in a full-time teaching assignment with a weekly seminar.

**Prerequisites:** Permission of instructor.

**LLC 701 Languages for Graduate Studies 3**

Language course for graduate students. This course will develop the students' proficiency in a selected language (Arabic, ASL, French, Spanish, German, Japanese, Chinese, Russian) and promote research skills in a global context.

**Notes:** This course can be repeated up to 9 s.h. so that students can reach the proficiency level required for their programs.

## Latin (LAT)

**LAT 101 Elementary Latin I 3**

Introduction to Latin. Emphasis on understanding principles of grammar and developing skills for reading Latin.

**LAT 102 Elementary Latin II 3**

Continuation of LAT 101. Emphasis on advanced grammar and selected readings.

**Prerequisites:** LAT 101 or appropriate score on the Latin placement exam .

**LAT 140 Elementary Latin Review 3**

Accelerated elementary curriculum for students with previous Latin experience or a demonstrable aptitude for second-language acquisition.

**LAT 198 Latin Sight Reading 1**

Sight reading of Latin texts from all periods of Latin literature. Does not count toward the language requirements of the College of Arts and Sciences or the Classical Studies major.

**Prerequisites:** LAT 203.

**Notes:** Grade: Pass/Not Pass (P/NP). May be repeated once for credit.

**LAT 199 Conversational and Modern Latin 1**

Practice in Latin conversation, supplemented by readings and informal exercises. Does not count toward the language requirements of the College of Arts and Sciences or the Classical Studies major.

**Prerequisites:** LAT 102 or LAT 140 or permission of instructor.

**Notes:** Grade: Pass/Not Pass (P/NP).

**LAT 203 Intermediate Latin I 3**

Designed to develop proficiency in reading of Latin and introduce students to Latin prose and poetry.

**Prerequisites:** A grade of C- or better in LAT 102 (or LAT 140). appropriate score on the Latin placement exam; or permission of instructor.

**LAT 204 Intermediate Latin II 3**

Study of Latin prose and poetry with continued emphasis on developing proficiency in reading Latin.

**Prerequisites:** LAT 203. appropriate score on the Latin placement exam; or permission of instructor.

**LAT 302 Roman Letters Public and Private 3**

The literary and social practice of letter-writing in ancient Rome viewed through selections from Cicero, Seneca, Pliny, and other authors.

**Prerequisites:** LAT 204 or permission of instructor.

**LAT 303 Roman Comedy 3**

Exploration of the role of theater and comedy in ancient Rome with selected readings from Rome's most important comic playwrights (Plautus and Terence).

**Prerequisites:** LAT 204 or permission of instructor.

**LAT 312 Interpreting the Roman Past 3**

Exploration of the literary (re)creation of Rome's past through selected readings from Roman historical authors such as Sallust, Caesar, Livy, Tacitus, and Suetonius.

**Prerequisites:** LAT 204 or permission of instructor.

**LAT 314 Love and Sex in Ancient Rome 3**

Selected readings that reveal ancient Roman attitudes and practices regarding love and sex. Latin authors will include Ovid, Catullus, and Lucretius.

**Prerequisites:** LAT 204. or permission of instructor.

**LAT 321 Roman Satire and Ridicule 3**

Exploration of the role of satire and ridicule in Latin literature with select readings from Catullus, Horace, Petronius, Martial, Juvenal, and other authors.

**Prerequisites:** LAT 204 or permission of instructor.

**LAT 350 Special Topics in Latin Literature 3**

Opportunity for students to work individually or in small groups on problems of special interest in Latin literature or language. Work may represent either survey of a given field or intensive investigation of particular problem.

**Prerequisites:** LAT 204. Student should consult instructor before registering for course.

**LAT 351 Special Topics in Latin Literature 3**

Opportunity for students to work individually or in small groups on problems of special interest in Latin literature or language. Work may represent either survey of a given field or intensive investigation of particular problem.

**Prerequisites:** LAT 204. Student should consult instructor before registering for course.

**LAT 421 Great Roman Questions 3**

A sampling of Roman inquiries into the great questions about the meaning of life and the nature of the universe. Readings selected from Cicero, Seneca, Lucretius, and others.

**Prerequisites:** LAT 204 or permission of instructor.

**LAT 430 Latin Grammar and Composition 3**

Intensive study of Latin grammar, syntax, and prose style; includes reading of Latin texts and translation into Latin from English. Required for initial licensure in Latin.

**Prerequisites:** LAT 204, or permission of instructor.

**LAT 452 Teaching Secondary-Level Latin: Current Trends 3**

Trends and issues in teaching Latin at the secondary level. Topics include: review of textbooks, use of technology, research on second language acquisition, reaching diverse learners, and other current issues.

**Prerequisites:** Admission to the Standard Professional I License or M.Ed. in Latin program, or permission of instructor.

**Notes:** This course does not fulfill Latin language major requirements. May be repeated once for credit when topic varies.

**LAT 465 Student Teaching and Seminar in Latin 12**

Supervised student teaching of Latin. Observation, participation, and appropriate classroom teaching experience for a semester with weekly seminar.

**Prerequisites:** LAT 452. CLAS major with Latin licensure (U129); senior standing; 2.75 cumulative GPA; 3.0 GPA in LAT courses above the 100 level;

**Notes:** Grade: Pass/Not Pass (P/NP).

**LAT 471 Medieval and Renaissance Latin 3**

Selections from Medieval and Renaissance prose and poetry.

**Prerequisites:** Permission of the instructor.

**LAT 552 Teaching Secondary-Level Latin: Current Trends 3**

Trends and issues in teaching Latin at the secondary level. Topics include: review of textbooks, use of technology, research on second language acquisition, reaching diverse learners, and other current issues.

**Prerequisites:** Admission to the Standard Professional I License or M.Ed. in Latin program, or permission of instructor.

**Notes:** This course does not fulfill Latin language major requirements.

May be repeated once for credit when topic varies.

**LAT 571 Medieval and Renaissance Latin 3**

Selections from Medieval and Renaissance prose and poetry.

**Prerequisites:** Permission of the instructor.

**Library and Information Science (LIS)****LIS 120 Introduction to Instructional Technology for Educational Settings 1**

Provides an introduction to instructional technology, knowledge, and skills for classroom settings.

**Notes:** For students seeking initial North Carolina teaching licensure in any area. Students may not receive credit for both LIS 120 and TED 120; Same as TED 120.

**LIS 199 Information Use in a Digital World 3**

Prepares students to access, evaluate, and manage information to meet personal and academic needs. Focuses on personal information management, digital security/privacy, and ethical issues, including plagiarism, source citation, and fair-use.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**LIS 201 Information Literacy for a Digital World 3**

Prepares Information Science majors to access, evaluate, and manage information to meet personal and academic needs. Focuses on personal information management, digital security/privacy, and ethical issues, including plagiarism, source citation, and fair-use.

**LIS 300 Introduction to Information Science 3**

Introduces the major concepts, principles, theories, issues and trends in information science.

**Prerequisites:** LIS 199. Information Science majors.

**LIS 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**LIS 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**LIS 430 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Prerequisites:** Junior, senior, or graduate standing.

**Notes:** Same as ENT 430, GEO 430, MKT 430.

**LIS 530 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Notes:** Same as GES 630, ENT 630, MKT 530.

**LIS 600 Foundations of Library and Information Science 3**

Survey of issues in library and information science; professional operations and potential roles in society.

**Notes:** Required for all M.L.I.S. students in first year. core course.

**LIS 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**LIS 604 The History of Libraries and Librarianship 3**

Examines the history of libraries in the western world with particular emphasis on the United States.

**LIS 610 Collection Management 3**

Principles, processes, and problems in selection, evaluation, and acquisition of resources for libraries and information centers.

**LIS 617 Materials for Children 3**

Survey of resources for early childhood through elementary school levels, study of selection aids and criteria, use of resources, and investigation of reading, listening, viewing interests.

**LIS 618 Materials for Adolescents 3**

Survey of resources and services appropriate for adolescents, study of selection aids and criteria, use of resources, and investigation of reading, listening, viewing interests.

**LIS 619 Storytelling 3**

Storytelling and digital storytelling methods, techniques, and materials including literature and programming.

**Prerequisites:** Admission to the MLIS degree program.

**LIS 620 Information Sources and Services 3**

Covers philosophy and techniques of matching information to people's needs. Introduces human information behavior and information retrieval concepts; prepares students to meet needs through needs assessment, source selection, and user-instruction.

**LIS 623 Principles of Database Information Retrieval 3**

Principles of bibliographic database structure, evaluation, and utilization for effective search strategy formulation, critical evaluation of retrieved information, and presentation of results.

**Prerequisites:** LIS 620.

**LIS 628 Science and Technology Information Sources 3**

Major bibliographic and information sources and services in the sciences and technology.

**Prerequisites:** LIS 600, LIS 620, or permission of instructor.

**LIS 630 Computer Technologies for Information Management 3**

Essential computer-related technologies in a library/school/information agency environment.

**Prerequisites:** LIS 600 or permission of instructor.

**LIS 631 Emerging Technology Trends 3**

Emerging technologies in libraries including local regional, national, and international communication systems for information transfer as these trends impact delivery of information to library and information center users.

**LIS 634 Libraries and Makerspaces 3**

This course provides an introduction to makerspaces within libraries. Topics include financing, programming and assessment.

**Prerequisites:** Admission to the MLIS degree program.

**LIS 635 Introduction to Technology Resources 3**

Media and technology applications in libraries and information agencies. Develops competencies in designing, developing and producing, and presenting media and technology.

**LIS 636 Website Production and Usability for Information Professionals 3**

Introduction to website production and usability issues that are particularly relevant to librarians and other information professionals. Emphasis on seeking to understand and enhance users' experiences.

**LIS 637 Instructional Communication and Technologies 3**

This course will cover the theoretical foundations of communication and provide applied experience with contemporary instructional technologies across diverse learning environments. This will include social media, basic HTML, video production, screencasting, and use of other software to assist in both the synchronous and asynchronous teaching and learning process.

**LIS 638 Technology, Equity, and Society 3**

Examination of ways in which technology is the source and consequence of institutionalized, hegemonic, societal constructs. Students will explore theories of social justice, equity, and inclusion in an ever-evolving technological landscape.

**LIS 639 History of Information Technologies 3**

This course covers the history of technologies used to record and disseminate information, focusing on books along with a variety of audiovisual technologies and digital formats. The course emphasizes the role of information professionals and institutions in preserving this history.

**LIS 640 Information Organization and Access 3**

Introduction to the organization of information and collections to enhance access. Topics include format choice, verification of appropriate sources, collection definitions, methods and systems of description, classification, and metadata assignment.

**LIS 641 Cataloging and Classification 3**

Cataloging and classification of materials using current cataloging codes and appropriate techniques of subject analysis and classification.

**Prerequisites:** LIS 640 or permission of instructor.

**LIS 642 Seminar in Indexing and Abstracting 3**

Critical study of print and computer-assisted indexes and indexing with creation of thesaurus, indexes, and concordances. Study of database management program indexing and indexing of internet resources.

**Prerequisites:** LIS 600, LIS 640, or permission of instructor.

**LIS 643 Metadata 3**

Introduces conceptual and practical metadata knowledge. Identifies commonalities among metadata schemas and reviews design and profiling processes related to needs of various application domains and environments.

**Prerequisites:** LIS 640 or permission of instructor.

**LIS 644 Digital Libraries 3**

Introduces processes, procedures, and systems for the collection development of unique digital resources in libraries, archives, and museums. Includes basics of digitization, standards for different formats, and curation of electronic materials.

**Prerequisites:** LIS 640.

**LIS 649 Music Librarianship 3**

This course covers a number of aspects of music librarianship, including music collections, reference, technology, and copyright.

**LIS 650 Leadership and Management in Information Organizations 3**

Emphasizes management functions, resource management, and application of concepts to management situations in libraries and information centers. (Core course)

**LIS 653 The School Library 3**

The role and function of the school library media center; planning evaluation, and program development.

**Prerequisites:** LIS 600, LIS 650, or permission of instructor.

**LIS 654 School Library Media Specialist and the Curriculum 3**

Relationship of the library media program to the school curriculum; library/media and computer skills K-12 instructional program. Observation and practice in school settings.

**LIS 655 The Public Library 3**

The public library in the governmental structure, the librarian as a public administrator, financial and cooperative planning, library services, community analysis.

**LIS 656 The Academic Library 3**

Major trends, issues, and problems in the organization and provision of services in college and university libraries.

**Prerequisites:** LIS 600, LIS 650 or permission of instructor.

**LIS 657 The Special Library 3**

Major trends, issues, and problems in the provision of services in profit and not-for-profit special libraries.

**Prerequisites:** LIS 600, LIS 650, or permission of instructor.

**LIS 658 Archives and Records Management 3**

Introduces students to the theory and practice of archives and records management, including the appraisal, acquisition, and organization of archival materials. Emphasizes the societal role and function of archival institutions in preserving authentic records for their evidentiary and informational value.

**LIS 661 Introduction to Research Methods 3**

Problems of concern to libraries and information center personnel, including application of interdisciplinary concepts and research methods.

**LIS 662 Information Services to Diverse Client Groups 3**

Changing demographic patterns affecting library and information services in all types of libraries. Services, collections and staffing to reflect a variety of cultural/ethnic experiences/needs.

**LIS 663 Library Services for Young People 3**

Planning, evaluation, and administration of programs and services designed to meet the needs of individuals and groups of children and adolescents; current issues in public libraries.

**LIS 664 Reading, Literacy, and the Library 3**

Introduction to the development of reading and literacy skills, the needs of readers (early childhood to adult), and strategies for librarians to support this development.

**LIS 665 Information Literacy 3**

Introduce concepts of information literacy, teaching philosophies and techniques, and assessment.

**Prerequisites:** LIS 620.

**LIS 666 Information Ethics and Policy 3**

Examination of legal and ethical aspects of information ethics and policies in libraries/information centers. Covers traditional concerns of access to print, government information, and issues of technology access, privacy concerns.

**LIS 667 Information Services for Adults 3**

Design, planning, evaluation, and administration of information services designed to meet lifelong learning goals and needs of individuals and groups of adults in information organizations. Primary emphasis on public libraries.

**LIS 668 Community Informatics 3**

A survey of key concepts in the field of Community Informatics, which focuses on how communities access, learn, and apply information and communications technologies (ICTs). Practical studies in this area consider how social, cultural, political, and economic factors influence the adoption and use of ICTs among members of specific communities. This course introduces students to key concerns in community informatics, including, among other things, digital literacy, digital divide issues (e.g. access, skills, and cultural divides), the role of ICTs in cultural heritage, and community development using ICTs. Learning experiences in this course will employ literature-based discussion and experiential learning at case sites using relevant ICTs, including public libraries.

**LIS 669 Educational Implications of Learning and Developmental Theory 3**

How learning and developmental theories define the teacher's role as instructional leader, how curricular materials might be designed and used, and student learning and motivation.

**Notes:** Same as TED 669.

**LIS 670 Educational Foundations for Information Professionals 3**

Focuses on historical, philosophical, sociological, legal, and curricular foundations of education with an overview of and introduction to the roles of the school library, school librarian, and instructional technology facilitator. Explores standards, assessment, issues, and trends.

**LIS 671 Designing Blended and eLearning Environments 3**

This course utilizes an advanced instructional design process to engage in designing, producing, managing and assessing learning environments delivered in multiple modalities, including blended, hybrid, synchronous, asynchronous, and hyflex. It considers strengths and weaknesses of each modality and helps learners identify best practices for designing effective instruction across modalities.

**Prerequisites:** LIS 672.

**LIS 672 Instructional Design 3**

Components of the systems approach to instructional design.

**Notes:** Same as TED 672.

**LIS 674 Seminar: Issues and the Virtual Community 3**

Major social and ethical issues emerging in the virtual community including those embraced by access, privacy, intellectual property, freedom of speech, institutional/social control, and evolving formats.

**Notes:** Same as TED 674.

**LIS 675 eLearning Design 3**

Focuses on planning, design, implementation, facilitation, and assessment of learning in online and blended contexts.

**Prerequisites:** Core courses, LIS 672.

**LIS 676 Introduction to Equity Education 3**

Designed to support students in expanding their views about equity and education to include family and community practices around broadened understandings of community/cultural assets for pedagogical practices.

**Notes:** Same as TED 646.

**LIS 677 Capstone Experience in Instructional Technology 3**

Field-based capstone project and culminating portfolio. Must be taken in the final semester prior to graduation.

**Prerequisites:** Completion of all other degree requirements and permission of instructor.

**Notes:** Required in final semester of the program, consult department website for details. Grading method is Satisfactory/Unsatisfactory (S/U).

**LIS 681 Rare Books, Manuscripts, and Special Collections 3**

Covers the fundamental skills, tools, and approaches involved in the management of rare books, manuscripts, and other special collections materials. Focuses on special collections in libraries and archives, contextualizing these institutional collections in longer histories of collecting rare and unique materials.

**LIS 682 Seminar in Information Sources and Services 3**

Exploration of advanced topics in information sources and services with an emphasis on library and information agencies.

**Prerequisites:** LIS 620.

**LIS 683 Archival Preservation, Curation, and Access 3**

Covers the main theories and practices involved in stewarding archival and special collections materials, including the preservation of physical media, digitization of analog materials, and the curation of born-digital objects. Focuses on the critical importance of these activities to support and promote access to collections.

**LIS 684 Seminar in Legal and Ethical Issues in School Libraries 3**

Explores five areas of legal and ethical dilemmas that school librarians might face: 1) intellectual freedom and applying the First Amendment to students' rights to read; 2) privacy of minors; 3) copyright and fair use; 4) equity and access.

**LIS 685 Seminar in Library Administration and Management 3**

Exploration of advanced topics in library administration and management with an emphasis on library and information agencies.

**Prerequisites:** LIS 650 or permission of instructor.

**LIS 688 Seminar in Selected Topics 1-4**

Contemporary issues and current trends in librarianship, educational technology, and information science. Topics to be identified for a particular seminar.

**Notes:** Course may be repeated when topic varies.

**LIS 690 Independent Study 1-4**

Guided readings, research, and individual project work under direction of faculty.

**Prerequisites:** LIS 600 or permission of instructor.

**LIS 691 Practicum 3-6**

Supervised field experience in library/media center settings, with seminars. Credit required will vary with individual needs.

**Prerequisites:** LIS 600 and permission of instructor.

**Notes:** Only 3 hours credit may count towards MLIS degree. Grade: Satisfactory/Unsatisfactory (S/U).

**LIS 692 Field Experience in School Library Media 3**

Supervised field experiences in a school library media center with seminars, observation, and exploration into the school setting and media coordinator roles, for students with no teaching license.

**LIS 693 Practicum/Capstone Experience in School Library Media 3**

Supervised capstone field experience in a school library media center with seminars and culminating portfolio. Must be taken in final semester prior to graduation.

**Prerequisites:** Written permission of instructor.

**LIS 694 Supervision: School System Library Media Programs 3**

Principles and problems in administration and supervision of the district level library/media program of the school system.

**Prerequisites:** Permission of instructor.

**LIS 698 Capstone Experience in Library and Information Science 1-3**

Capstone supervised field experience/project and culminating portfolio. Must be taken in the final semester prior to graduation.

**Prerequisites:** Completion of all other degree requirements and permission of instructor.

**Notes:** Required in final semester of M.L.I.S. program. Consult department website for details. Grading method is Satisfactory/Unsatisfactory (S/U).

**LIS 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**LIS 803 Research Extension 1-3**

Research Extension.

## Management (MGT)

**MGT 300 Management of Organizations 3**

An introduction to how managers coordinate human and material resources to achieve organizational goals. Effective management practices that can be applied to business organizations.

**Prerequisites:** Sophomore standing and a 2.0 GPA.

**MGT 301 Introduction to International Business 3**

Introduction to the environmental factors which increasingly cause businesses to become international in the scope of their activities. Nature of global business and multinational organizations analyzed.

**Prerequisites:** Junior standing and restricted to students who are Pre admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, ECON, PECO, ECOS, PENT, ENTR, PFIN, FINC, PHTM, HTMT, PINT, INTB, PISC, ISSC, PMKT, or MKTG).

**MGT 302 International Business: Operations and Environments in Foreign Jurisdictions 3**

Study of international business environments from the managerial aspect, and of practices and principles of conducting international business from the perspective of a specific foreign country.

**Prerequisites:** Admission to an approved program.

**MGT 303 Experience Business Abroad 3**

Practices and principles for conducting business in foreign countries. Experiential learning in international management and entrepreneurship. Course is an approved substitute for study-abroad requirements for International Business Studies majors.

**Prerequisites:** Admission to an approved program. 3.0 GPA.

**MGT 304 Current Issues in International Business 3**

Selected topics in international business presented by visiting faculty. Topics are related to the expertise of the instructor.

**Prerequisites:** Major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 312 Organizational Behavior 3**

Businesses as a generic class of organization. Relation of individual worker and manager to organization and its impact upon them. Formal and informal groups. Management from behavioral point of view. Stability and change within business organizations.

**Prerequisites:** Sophomore standing and Pre/Major in ACCT, BADM, CARS, ECON, ECOS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 313 Human Resource Management 3**

An analysis of how human resources contribute to organizational performance, and the management of those human resources including recruitment, selection, compensation, training and development, performance, appraisal, and union/management relations.

**Prerequisites:** Major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 314 Industrial and Organizational Psychology 3**

Introduction to industrial and organizational psychology with special emphasis on employee motivation, selection, training, and organizational determinants of employee behavior.

**Prerequisites:** Major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**Notes:** Same as PSY 314.

**MGT 315 Recruitment and Selection in Organizations 3**

Staffing models and methods, including, planning, job analysis, recruitment, measurement, selection and retention management, to obtain diverse organizational workforce.

**Prerequisites:** MGT 313. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 317 Training and Development in Organizations 3**

Principles of training and development. Training needs, assessment, training solutions to organization problems, skill training, different training options, and ways of integrating new behavior and attitudes into the organizational system.

**Prerequisites:** Major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 318 Organizational Change and Development 3**

Introduction to the professional practice of OCD. Topics include overcoming resistance to change, the consultant/client relationship, diagnosis of organizational problems, and interventions

**Prerequisites:** Junior standing. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 319 Compensation and Benefits Management 3**

Principles of compensation and job evaluation. Multidisciplinary theories underlying pay systems design and implementation. Market surveys and their effects on pay systems.

**Prerequisites:** MGT 313. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 330 The Legal Environment of Business 3**

Survey of the legal, political, and ethical environment in which business decisions are made. Antitrust, employment, and consumer laws included. Federal, state, and international laws covered.

**Prerequisites:** Sophomore standing and Pre/Major in ACCT, BADM, CARS, ECON, ECOS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG. or permission of instructor.

**MGT 354 Diversity and Inclusion in Organizations 3**

Explores diversity in the workplace. Diversity is defined, examined, and discussed as opportunities for companies to discover and appreciate differences while developing more effective organizations.

**Prerequisites:** Junior standing.

**MGT 375 Management Process Skills 3**

Practical application of management theory. Processes for performing the basic management functions of decision making, planning, organizing, leading, and controlling. Application of the processes to management cases.

**Prerequisites:** Admission to approved program.

**MGT 400 Cybersecurity Management 3**

Examines cyber-threats facing organizations and individuals and analyzes mechanisms to strengthen cybersecurity. Introduces tools, policies, concepts, safeguards, guidelines, risk management, actions, training, best practices, assurance and technologies to enhance cybersecurity.

**MGT 403 Decision Making in Organizations 3**

Examination of decision making from psychological, rational, and statistical approaches. Topics include common biases, rationality and bounded rationality, escalation of commitment, group, ethics, negotiations, and emotions in decision making, improving decision making.

**Prerequisites:** MGT 312. Junior standing.

**MGT 414 Human Resource Information Systems 3**

Application of ERP systems to managing human resource information. Topics include SAP job analysis/evaluation; human resource planning, recruiting, screening, selection, training; employee development, performance appraisal, compensation, benefits.

**Prerequisites:** MGT 313 or ISM 301. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 475 Employment and Human Resource Law 3**

National Labor Relations Act, Fair Labor Standards Act (including equal employment), and other statutes and court decisions relating to employment relations and their effect on managerial practices.

**Prerequisites:** Junior standing. MGT 330; Admission to approved program.

**MGT 491 Business Policy and Strategy 3**

Capstone case course in top management policy and strategy determination. Students learn to integrate various business functions and to develop skills and judgment in solving problems of the organization as a total system in relation to its environment.

**Prerequisites:** FIN 315. ISM 280; MGT 301, MGT 312; MKT 309, MKT 320; senior standing; major in ACCT, BADM, ECOS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MGT 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**MGT 499 Problems in Management 3**

Independent study, research, and class discussion covering a topic or group of related topics of current interest in theory or policy of the business enterprise. Topics vary from semester to semester.

**Prerequisites:** Senior majors. permission of instructor;

**Notes:** May be repeated for credit with approval of department head.

## Marketing (MKT)

**MKT 309 Business Communication & Innovation 3**

Business and professional communication: teamwork, communication technology, verbal and non-verbal strategies in a problem-solving, innovation context. Emphasizes effective persuasive, interpersonal, intercultural, and organizational strategies through business styles, formats, and presentations.

**Prerequisites:** ISM 110, ECO 201, CST 105. ENG 101, FMS 115 or RCO 101; Junior standing; and restricted to students who are Pre admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, ECON, PEKO, ECOS, PENT, ENTR, PFIN, FINC, PHTM, HTMT, PINT, INTB, PISC, ISSC, PMKT, or MKTG).

**MKT 320 Principles of Marketing 3**

Introduction to marketing with an emphasis on market segmentation, targeting, and positioning for consumer and business markets in domestic and international economics.

**Prerequisites:** ACC 201 (or ACC 218), CST 105, ECO 201, ISM 110, and any one of the following: MAT 115, MAT 120, MAT 150, MAT 151, MAT 191, MAT 292. major in ACCT, BADM, CARS, ECOS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MKT 324 Professional Selling 3**

Professional selling provides students with the knowledge and skill sets needed to give them the ability to make effective sales presentations to businesses or consumers, including direct selling.

**Notes:** Same as ENT 324.

**MKT 326 Introduction to Retailing 3**

Introductory course in the fundamentals of store organization, management, and merchandising.

**Prerequisites:** Grade of C or better in MKT 320. junior standing; major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MKT 328 Sales Leadership 3**

Problems in selling, direct selling, and sales management are dealt with from the strategic marketing perspective. The sales management process is addressed from the perspective of the profit-maximizing allocation of resources of the firm. Students in this class analyze cases in direct selling and evaluate optimal ways to build a strong direct selling team.

**Prerequisites:** Sophomore standing.

**Notes:** Same as ENT 328.

**MKT 330 Social Media Marketing 3**

Students explore how stakeholders define, measure, and assign value to corporate social media efforts. Skills are developed in managing change, innovation, and stakeholder partnerships related to social media.

**Prerequisites:** Grade of C or better in MKT 320.

**MKT 403 Entrepreneurial Marketing 3**

Focuses on marketing strategy, planning, and tactics for entrepreneurial firms. Addresses general marketing and selling issues -- including direct selling -- and specific "real world" marketing problems. Student teams will work with on a specific start-up case and develop a marketing plan for that firm.

**Notes:** Same as ENT 403.

**MKT 407 Sports Marketing 3**

Sports marketing applies marketing, promotion, and sales tools and techniques to the specific domain of sporting events, sporting activities, and sports related products.

**Prerequisites:** Junior standing.

**MKT 421 Promotion Management in Esports 3**

Promotion process and decision criteria for making promotion management decisions in the context of Esports. Emphasis on behavioral and communicative aspects of advertising, personal sales, direct selling, and other promotional tools from a management decision-making viewpoint.

**Prerequisites:** Grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MKT 422 Fundamentals of Marketing Research 3**

Conceptual foundation of qualitative and quantitative marketing research, sampling theory, experimental design, and psychological scaling techniques, along with analytic skills using user-friendly data analysis software. Case analysis as well. Student develops application abilities through assignments and a course project.

**Prerequisites:** ECO 250, grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, or MKTG;

**Notes:** Same as ENT 422.

**MKT 424 Consumer Behavior 3**

Psychological and socioeconomic factors affecting consumer motivation, behavior, and buying decisions. Emphasis on current research on, and theory about, behavior of consumers as individuals and as members of socioeconomic groups.

**Prerequisites:** Grade of C or better in MKT 320. junior standing; major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MKT 426 International Marketing 3**

Issues in international marketing are addressed from both theoretical and experiential learning perspectives. A comprehensive team-based project involves the intensive use of the Internet in accessing electronic databases.

**Prerequisites:** Grade of C or better in MKT 320. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MKT 427 Personal Selling Internship 3**

Minimum of 100 hours planned work experience in an organization with a personal sales force. Instructor will provide placement or must approve placement in advance.

**Prerequisites:** Permission of Instructor.

**Notes:** Same as ENT 427. Grade: Pass/Not Pass (P/NP).

**MKT 429 Advanced Marketing Management 3**

Advanced analysis and decision-making techniques in marketing. Emphasis on strategic view. Major group project involves working with organizations to develop and present an actual marketing plan.

**Prerequisites:** MKT 422 or MKT 440. major in ACCT, BADM, CARS, ENTR, FINC, HTMT, INTB, ISSC, or MKTG.

**MKT 430 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Prerequisites:** Junior, senior, or graduate standing.

**Notes:** Same as ENT 430, GES 430, LIS 430.

**MKT 440 Digital Marketing Analytics 3**

Students are introduced to the marketing analytics process with emphasis on analyzing digital marketing data. Students learn common performance metrics of digital marketing data and how to analyze digital data.

**Prerequisites:** MKT 320 and MKT 330.

**MKT 444 Effective Selling 3**

Designed to enhance the student's ability to present a product/service in a sales setting and negotiate the sale through an effective and efficient process.

**Prerequisites:** Junior standing.

**MKT 450 Marketing Internship 3**

Planned work experience in a marketing firm or the marketing department of a business/organization. Instructor must approve internship in advance.

**Prerequisites:** MKT 320 and MKT 422. 2.75 or higher GPA; permission of instructor;

**Notes:** Grade: Pass/Not Pass (P/NP).

**MKT 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**MKT 499 Independent Study in Marketing 3**

Guided readings, research, and individual project work in marketing under direction of the faculty.

**Prerequisites:** MKTG major and department approval.

**MKT 530 Researching Opportunities in Entrepreneurship and Economic Development 3**

Students will learn how to conduct research necessary to make informed decisions for an entrepreneurial venture and measure and assess economic development opportunities. No business research experience necessary.

**Notes:** Same as GES 630, LIS 530, ENT 630.

## Master of Applied Arts and Sciences (MAS)

**MAS 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**MAS 610 Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 610A Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 610B Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 610C Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 610D Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 610E Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 610F Culture and Ideas 3**

Artistic, literary, philosophical, or religious traditions, works of particular thinkers, and historical discourse on intellectual issues.

**Notes:** May be repeated for credit when topic varies.

**MAS 611 Design Thinking 3**

This course uses experiential learning and application of the design thinking process to teach tools and methodologies for approaching real world problems.

**MAS 612 The Contemporary World 3**

Examine issues in the contemporary world, focusing mainly on the post-World War II period, from the dropping of atomic bombs on Japan in August 1945, to the complex, high-tech world of today.

**MAS 613 Literature of Migration 3**

This course aims to deepen the understanding of how narratives help us connect our own lives to those who are in transition and crossing borders.

**MAS 620 Human Nature and Society 3**

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

**Notes:** May be repeated for credit when topic varies.

**MAS 620A Human Nature and Society 3**

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

**Notes:** May be repeated for credit when topic varies.

**MAS 620B Human Nature and Society 3**

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

**Notes:** May be repeated for credit when topic varies.

**MAS 620C Human Nature and Society 3**

Issues concerning human nature, society, or political life through works or problems from the various social sciences.

**Notes:** May be repeated for credit when topic varies.

**MAS 621 Systems Thinking 3**

The primary goal of the course is for you to learn the tools of systems analysis and apply your skills to real world systemic problems to promote genuine, lasting change.

**MAS 622 Global Trade 3**

The course highlights the theory of free trade, investigating how free trade might or might not work, and for whose benefit.

**MAS 623 Global Human Rights 3**

Students utilize a fictional case study approach to develop human rights investigation and critical reporting skills, and analyze human rights documents.

**MAS 624 Dignity, Identity, and Power 3**

In this course, students will explore ways of understanding the problems of domination and injustice and real or perceived inequity-driven identity group or populist movement formation.

**MAS 630 Scientific Reasoning 3**

Reflections on scientific reasoning and/or investigations of particular problems to illustrate scientific reasoning.

**Notes:** May be repeated for credit when topic varies.

**MAS 630A Scientific Reasoning 3**

Reflections on scientific reasoning and/or investigations of particular problems to illustrate scientific reasoning.

**Notes:** May be repeated for credit when topic varies.

**MAS 631 Understanding Data 3**

Reflections on scientific reasoning and/or investigations of particular problems to illustrate scientific reasoning.

**MAS 632 Integrative Thinking 3**

Integrative Thinking is the intersection of Design Thinking, Systems Thinking, and Understanding Data. These tools and processes are applied together to address complex real-world problems and build evidence-based solutions.

**MAS 633 Science, Environment, and the Media 3**

Apply a systemic view of historic and current global environmental issues to deepen understanding and critical evaluation of media.

**MAS 642 Foundations of the eLearning Classroom 3**

In this course, students will gain knowledge, skills and experiences with a variety of information regarding instructional theory and principles. The content of this course will guide the student in preparing to teach in an online classroom setting.

**MAS 643 Elements of eLearning Course Development 3**

This course will focus on principles and practice related to pedagogy and andragogy, and the educational tools aligned with both to teach a full course. Deep dives surrounding course design and development of an eLearning course will be explored.

**Prerequisites:** MAS 642.

**MAS 644 Designing and Developing for Blended eLearning Environments 3**

Focuses on implementing upon pedagogy and andragogy to execute the necessary educational tools to teach either a fully online, hybrid or hyflex course. Special focus will be placed on designing and delivering content for complex subject areas such as science labs and the arts.

**Prerequisites:** MAS 642.

**MAS 645 Living the Online Course 3**

Focuses on engaging data, information, and insights related to the course content, learners, and yourself as the instructor to provide added value to the designed and static components of the course.

**Prerequisites:** MAS 642.

**MAS 650 Independent Study 1-3**

Guided readings, research and individual project work on an interdisciplinary topic under direction of a faculty member.

**Notes:** May be repeated for a maximum of 6 credits when topic varies.

**MAS 695 Applied Capstone Experience 3**

Apply knowledge and skills acquired from their course work to address a real-world problem.

**Prerequisites:** Permission of instructor.

**Notes:** Students must complete all other course work prior to taking MAS 695.

**MAS 699 Thesis 1-6**

Thesis.

**MAS 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**MAS 801 Thesis Extension 1-3**

Thesis Extension.

**MAS 803 Research Extension 1-3**

Research Extension.

# **Master of Business Administration (MBA)**

**MBA 701 Quantitative Analysis 3**

Quantitative methods and spreadsheet skills to support management practice and decision making. Topics include statistical hypothesis testing, confidence intervals, regression analysis, optimization modeling, decision analysis and risk analysis.

**Prerequisites:** Pre-M.B.A. workshop in statistics and spreadsheet skills or a spreadsheet-based undergraduate course in probability and statistics.

**MBA 702 Financial and Managerial Accounting 3**

Introduction to financial and managerial accounting. Topics include financial statements, financial analysis of those statements, cost accounting, and accounting's role in managerial decision-making.

**MBA 703 Managerial Economics 3**

Focuses on microeconomic and macroeconomic factors and business decision making. Topics will be illustrated using a variety of timely real-world problems and managerial applications.

**MBA 706 Marketing Management 3**

Issues related to the marketing process, major trends and forces that are changing the marketing landscape, marketing information, building and managing brands, marketing strategy and roles of ethics in marketing.

**MBA 707 Financial Management 3**

Financial decision-making; time value of money, risk and return, valuation of securities, financial options, cost of capital, capital budgeting, working capital policy, financing decisions.

**Prerequisites:** MBA 701, MBA 702.

**MBA 708 Operations for Competitive Advantage 3**

The course examines design, operation, and control of organizations for gaining and maintaining competitive advantage in the market place. Strategic and tactical issues will be integrated with a systems approach.

**Prerequisites:** MBA 701.

**MBA 712 Strategic Management 3**

Examines the tools and techniques of strategic analysis, the formulation and implementation of competitive and corporate strategy for creating and sustaining competitive advantage.

**Prerequisites:** MBA 703, MBA 706, MBA 707, MBA 708, MBA 716, MBA 717.

**Corequisites:** MBA 703, MBA 708, MBA 717.

**MBA 714 Business Analytics 3**

Students learn to analyze and present data to solve business problems. Topics may include visualization, predictive analysis, data mining, and optimization. Students will use Excel, Tableau, PowerBi or other relevant software.

**MBA 716 Leadership 3**

Introduction to the values associated with ethics and sustainability relative to leadership, from idea formulation through communication within various constituencies across organizational contexts and communication media.

**MBA 717 Innovation 3**

Fundamentals and strategies of developing and managing innovations in organizations, with emphasis on group and individual processes, mindsets, and skills.

**MBA 718 Global Business 3**

Principles and practices of conducting business in a global environment.

**MBA 719 Strategic Management in Action 3**

Integration of tools and techniques of strategic analysis, formulation and implementation of competitive and corporate strategy. Students engage in professional consulting and/or experiential projects with local organizations.

**Prerequisites:** MBA 703, MBA 706, MBA 707, MBA 708, MBA 716, MBA 717.

**Corequisites:** MBA 703.

**MBA 720 Investments 3**

This course explores theories and applications related to portfolio theory, asset allocation and pricing, stock return predictability and anomalies, fixed income pricing and risk management using derivatives.

**MBA 721 Financial Statement Analysis and Valuation 3**

This course is about value. Emphasis is on equity analysis and valuation for public and private firms, but other types and purpose of valuation are covered.

**Prerequisites:** MBA 707.

**MBA 724 Financial Institutions 3**

Survey course intended for those interested in financial services careers and those with interest in general finance. Will cover financial institutions, investment funds, trading markets and financial market regulation.

**MBA 730 Marketing Research 3**

Defining the purpose of marketing research, selecting a data gathering method, writing a survey/questionnaire, and sampling methods. Using statistics and interpreting the results to make marketing decisions.

**Prerequisites:** MBA 706.

**MBA 731 Brand Management 3**

Examines brand management strategies, tools and decisions faced by organizations in planning, building and measuring brand equity for long term profitability.

**MBA 732 Consumer Behavior 3**

Applying behavioral theories to understand consumer consumption behaviors and the effect of environmental and psychological influences on the consumer decision-making process.

**MBA 733 International Marketing Management 3**

Activities that direct the flow of products to markets in a transnational, transcultural context; transcultural consumer behavior; channel strategy, physical distribution, promotion, and pricing.

**Prerequisites:** MBA 706.

**MBA 734 Digital Marketing Analytics 3**

This course covers some of the most important tools and techniques in marketing analytics with a focus on digital marketing applications. Topics revolve around three broad areas: owned (e.g. company's website), paid (e.g. online advertising) and earned media (e.g. social media). This course provides the knowledge and analytics techniques for managerial decisions, which have emerged as the critical assets to business professionals and firms. Course will be taught with cases, articles, and related online discussions and also some lectures about the digital marketing and data analytics approaches.

**Prerequisites:** MBA 706 or permission of M.B.A. Program Director.

**MBA 741 Capstone Consulting Project 3**

Student teams will serve as consultants to area organizations and provide their managers with comprehensive solutions to strategic challenges.

**Prerequisites:** MBA 703, MBA 706, MBA 707, MBA 708, MBA 716, MBA 717.

**Corequisites:** MBA 703, MBA 708, MBA 717.

**MBA 742 Organizational Internship 1.5-3**

Academic and required work components allow students to gain organizational experience in an area of business. Course supervised by a designated graduate faculty member and an appropriate manager of the approved organization.

**Prerequisites:** Permission of M.B.A. Program Director.

**Notes:** May be repeated for credit.

**MBA 743 Directed Studies 1.5-3**

Independent study of a business administration topic, not currently covered by courses in the MBA program, under the supervision of a faculty member(s).

**Prerequisites:** Completion of 12 hours or equivalent in the MBA program and permission of MBA Program Director.

**Notes:** May be repeated for a maximum of 6 hours credit when topic varies.

**MBA 744 Special Topics in Business Administration 3**

Specific course title identified each semester by the topical extension to the basic title: e.g., Special Topics in Business Law; Organizational Theory.

**Notes:** May be repeated for credit when topic varies.

**MBA 745 Experience Business Abroad 1.5-3**

Practices and principles involved in conducting business in a specified country. Lectures and seminars by local academicians and site visitations and lectures by foreign business people.

**Prerequisites:** Permission of MBA Director.

**MBA 750 Negotiations for Management 3**

Focuses on how to manage relationships internal and external to the organization through negotiations (e.g. with suppliers, employees etc) and conflict management.

## Mathematics (MAT)

**MAT 105 Exploring Mathematics 3**

Introduction to modern mathematics through accessible tours of various topics, how they impact the real world, and how they are applied in a wide range of career paths. Example topics include fractals, data visualization, knot theory, and network science. Utilizing campus resources will also be covered.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**MAT 110 Foundations of Calculus with Business Applications 3**

Foundational concepts that supplement topics covered in Calculus with Business Applications.

**Corequisites:** MAT 120.

**Notes:** Grade: Pass/Not Pass (P/NP).

**MAT 112 Contemporary Topics in Mathematics 3**

Introductory topics in mathematics, including set theory and reasoning in mathematical systems. Contemporary applications may include algorithms, consumer mathematics, cryptography, and geometry.

**MAC:** MAC Quantitative Reasoning

**Notes:** Students may not receive credit for both MAT 112 and RCO 112.

**MAT 115 College Algebra 3**

Algebraic expressions, exponents, radicals, factoring, solving equations and inequalities, graphing, polynomial and rational functions.

**MAC:** MAC Quantitative Reasoning

**MAT 118 Algebra with Business Applications 3**

Introductory survey of algebra with emphasis on techniques and applications related to business and the social sciences.

**MAC:** MAC Quantitative Reasoning

**MAT 120 Calculus with Business Applications 3**

Introductory survey of differential calculus with emphasis on techniques and applications related to business and the social sciences. This course does not serve as a prerequisite for MAT 292 (Calculus II). This is a terminal course and not adequate preparation for MAT 292.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** An acceptable score on the MAT 120 placement test, a grade of C or better in one of MAT 115, MAT 118, MAT 150, MAT 151, MAT 183 or MAT 190; a Pass in MAT 110 or concurrent registration in MAT 110; or a score of 2 or better on the AP Calculus AB or BC exam.

**MAT 150 Precalculus I 3**

Review of elementary algebra, equations, inequalities, relations, functions, transformations, graphing, complex numbers, polynomial and rational functions.

**MAC:** MAC Quantitative Reasoning

**Notes:** Credit can be earned for only one of MAT 115 or MAT 150.

**MAT 151 Precalculus II 3**

Properties, graphs, and applications of exponential, logarithmic, trigonometric functions.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** An acceptable score on the mathematics placement test, or a grade of C or better in MAT 115 or MAT 150.

**MAT 181 Foundations of Calculus 3**

Foundational concepts that supplement topics covered in Calculus I or Calculus A.

**Corequisites:** MAT 191 or MAT 196.

**Notes:** Grade: Pass/Not Pass (P/NP).

**MAT 183 Mathematics for the Life Sciences 4**

Functions and sets, descriptive statistics, probability, population genetics, matrices, discrete time modeling, and use of computational tools and visualization of data.

**MAC:** MAC Quantitative Reasoning

**Corequisites:** MAT 183L.

**MAT 183L Mathematics for Life Sciences Lab 0**

Laboratory supporting MAT 183.

**Corequisites:** MAT 183.

**Notes:** No grade is awarded with this course number. Grades are awarded with the lecture course.

**MAT 184 Calculus for the Life Sciences 4**

Limits and precision, change in quantities, derivatives, integration, concentration gradients, and modeling processes with differential equations.

**Prerequisites:** A grade of C or better in MAT 183.

**Corequisites:** MAT 184L.

**MAT 184L Calculus for the Life Sciences Lab 0**

Laboratory supporting MAT 184.

**Corequisites:** MAT 184.

**Notes:** No grade is awarded with this course number. Grades are awarded with the lecture course.

**MAT 190 Precalculus 4**

This course covers essential prerequisites for calculus. Topics include functions and graphs, equations and inequalities, polynomial and rational functions, trigonometry, functions of trigonometric, exponential, and logarithmic type.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Acceptable score on the Calculus Readiness Diagnostic Test.

**MAT 191 Calculus I 3**

Limits and introductory differential calculus of the algebraic and transcendental functions of one variable.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** An acceptable score on the mathematics placement test or a grade of C or better in MAT 151 or MAT 190 or a Pass in MAT 181, or concurrent registration in MAT 181.

**MAT 196 Calculus A 4**

Limits, differential calculus, and introductory integral calculus of algebraic and transcendental functions of one variable.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** An acceptable score on the Calculus Readiness Diagnostic Test, or a grade of C or better in one of MAT 120, MAT 151, MAT 183, or MAT 190; or a Pass in MAT 181; or concurrent registration in MAT 181; or a score of 2 or better in the AP Calculus AB or BC exam.

**MAT 220 Plane and Solid Analytic Geometry 3**

Study of conic sections (including rotation of axes), graphing with polar coordinates, quadric surfaces, and vectors.

**Prerequisites:** Grade of C or better in MAT 151 (or equivalent).

**Notes:** Hours do not count toward degree requirements for MATH major.

**MAT 253 Discrete Mathematical Structures 3**

A rigorous introduction to discrete mathematical structures, proof techniques, and programming. Topics include sets, functions, sequences, relations, induction, propositional and predicate logic, modular arithmetic, and mathematical programming.

**MAC:** MAC Quantitative Reasoning

**Notes:** Only one of MAT 253 or MAT 295 can count toward degree requirements for MATH major.

**MAT 292 Calculus II 3**

Introductory integral calculus of the algebraic and transcendental functions of one variable, techniques of integration.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Grade of C or better in MAT 191.

**MAT 293 Calculus III 3**

Infinite sequences and series, conic sections, polar coordinates, vectors in dimensions two and three, vector-valued functions.

**Prerequisites:** Grade of C or better in MAT 292.

**MAT 296 Calculus B 4**

Integral calculus of algebraic and transcendental functions of one variable, techniques of integration, applications of integration, infinite sequences and series, conic sections, and calculus in polar coordinates.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Grade of C or better in MAT 196 or a passing grade in MAT 292.

**MAT 310 Elementary Linear Algebra 3**

Linear systems, matrices, determinants, eigenvalues and eigenvectors, finite-dimensional vector spaces, linear transformations.

**Prerequisites:** Grade of C or better in MAT 196 or MAT 253 or MAT 292.

**MAT 311 Introduction to Abstract Algebra 3**

Sets and mappings, equivalence relations, mathematical induction, introduction to theory of groups, rings, and fields.

**Prerequisites:** Grade of C or better in MAT 253 and MAT 310.

**MAT 313 Historical Development of Mathematics 3**

Study of the historical development of mathematics, not a history of persons involved in development.

**CIC:** CIC College Writing

**Prerequisites:** Grade of C or better in MAT 292 or MAT 296.

**MAT 320 Introduction to Topology 3**

Metric spaces, continuity, equivalence of various types of definitions of continuity, convergence, compactness, connectedness, topological spaces.

**Prerequisites:** Grade C or better in MAT 293 or MAT 296 and grade C or better in MAT 253 or MAT 310 or CSC 250.

**MAT 322 Linear Programming 3**

Covers simplex computational procedure, minimum feasible solutions, artificial-basis technique, slack variables, perturbation techniques, cycling, parametric objective and dual problems, sensitivity analysis, and decomposition algorithms.

**Prerequisites:** Grade of C or better in MAT 310.

**MAT 330 Axiomatic Foundations of Geometry 3**

Axiomatic systems, logic and proof, incidence geometries, absolute geometries, Euclidean geometry, and an introduction to non-Euclidean geometries and transformational geometry.

**Prerequisites:** Grade C or better in MAT 196 or MAT 253 or MAT 292.

**MAT 349 Preparation for Industrial Careers in Mathematical Sciences 3**

This course prepares mathematical sciences students for industrial careers by engaging them in research problems that come directly from industry.

**Prerequisites:** Permission of instructor.

**MAT 353 Introduction to Discrete Mathematics 3**

Elementary graph theory, combinatorics, partially ordered sets.

**Prerequisites:** Grade of C or better in MAT 253 or CSC 250.

**MAT 390 Ordinary Differential Equations 3**

First order differential equations and linear equations of finite order, Laplace transforms, undetermined coefficients, variation of parameters, applications, numerical methods.

**Prerequisites:** Grade of C or better in MAT 292 or MAT 296.

**MAT 394 Calculus IV 3**

Multivariable functions, partial differentiation, multiple integrals, vector calculus.

**Prerequisites:** Grade of C or better in MAT 293.

**MAT 395 Introduction to Mathematical Analysis 3**

Properties of real numbers, sequences, limits of sequences and functions, continuity, differentiation, Riemann integral.

**Prerequisites:** Grade C or better in MAT 293 or MAT 296 and a grade C or better in MAT 253 and MAT 310.

**MAT 396 Calculus C 4**

Vectors in dimensions two and three, vector-valued functions, partial differentiation, multiple integrals, vector calculus.

**Prerequisites:** Grade of C or better in MAT 293 or MAT 296.

**MAT 405 Foundations of Mathematics for Teaching I 3**

Capstone survey of topics including functions; calculus concepts; geometry; probability; data analysis; and discrete mathematics. Special teaching problems and procedures for secondary education topics in relation to their mathematical foundations.

**Prerequisites:** Grade of C (2.0) or better in MAT 310. Admission to Teacher Education Program or permission of instructor.

**MAT 406 Foundations of Mathematics for Teaching II 4**

Capstone survey of topics including functions; calculus concepts; geometry; probability; data analysis; and discrete mathematics. Special teaching problems and procedures for secondary education topics related to their mathematical foundations, including 50-hour internship in secondary math classroom.

**Prerequisites:** Minimum grade of C (2.0) in MAT 405 and minimum grade of C (2.0) in one of either MAT 311 or MAT 395. Admission to the Teacher Education Program.

**MAT 414 Theory of Numbers 3**

An introductory course to both multiplicative and additive number theory. Divisibility, prime numbers, congruencies, linear and nonlinear Diophantine equations (including Pell's equation), quadratic residues, number-theoretic functions, and other topics.

**Prerequisites:** Grade of C or better in either MAT 311 or MAT 395.

**MAT 415 Mathematical Logic 3**

Formal languages, recursion, compactness, and effectiveness. First-order languages, truth, and models. Soundness and completeness theorems. Models of theories.

**Prerequisites:** Grade of C or better in MAT 311 (or MAT 353).

**MAT 416 Intermediate Abstract Algebra 3**

Rings, integral domains, fields, division algorithm, factorization theorems, zeros of polynomials, greatest common divisor, formal derivatives, prime polynomials, Euclidean domains, the fundamental theorem of algebra.

**Prerequisites:** Grade of C or better in MAT 311.

**MAT 417 Theory of Groups 3**

Elementary properties of groups and homomorphisms, quotients and products of groups, the Sylow theorems, structure theory for finitely generated abelian groups.

**MAT 419 Intuitive Concepts in Topology 3**

Basic concepts, vector fields, the Jordan curve theorem, surfaces, homology of complexes, continuity.

**Prerequisites:** Grade of C or better in MAT 311 (or MAT 395).

**MAT 420 Non-Euclidean Geometry 3**

Fifth postulate, hyperbolic geometries, elliptic geometries, consistency of non-Euclidean geometries, models for geometries, elements of inversion.

**Prerequisites:** Grade of C or better in MAT 311 (or MAT 395).

**MAT 421 Projective Geometry 3**

Transformation groups and projective, affine and metric geometries of the line, plane, and space. Homogeneous coordinates, principles of duality, involutions, cross-ratio, collineations, fixed points, conics, models, and Euclidean specializations.

**Prerequisites:** Permission of instructor.

**MAT 422 Introductory Functional Analysis 3**

Basic concepts in Banach spaces, Hilbert spaces, linear operators, and their applications.

**Prerequisites:** Grade of C or better in MAT 395.

**MAT 425 Intermediate Mathematical Analysis 3**

Integration, infinite series, sequences and series of functions.

**Prerequisites:** Grade of C or better in MAT 395.

**MAT 427 Numerical Methods 3**

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

**Prerequisites:** A grade of at least C in MAT 293 or MAT 296.

**MAT 428 Linear Programming and Optimization 3**

This course is an introduction to linear programming and optimization including: the simplex method, degeneracy, efficiency, duality theory, convex analysis, game theory, financial applications, network flow problems, integer programming, quadratic programming.

**Prerequisites:** Grade C or better in MAT 310.

**MAT 430 Computational Discrete Mathematics 3**

Exact computations with mathematical structures. Topics include complexity analysis, multi precision arithmetic, matrix normal forms, graphs and networks, and fast Fourier transforms.

**Prerequisites:** MAT 253 and MAT 310.

**MAT 431 Combinatorial Analysis 3**

the pigeon-hole principle, permutations, combinations, generating functions, principle of inclusion and exclusion, distributions, partitions, recurrence relations.

**Prerequisites:** Grade of C or better in MAT 253 (or MAT 295 or MAT 311 or MAT 395). or permission of instructor.

**MAT 432 Introductory Graph Theory 3**

Basic concepts, graph coloring, trees, planar graphs, networks.

**Prerequisites:** Grade of C or better in MAT 310 and any one of the courses MAT 253, MAT 295, MAT 311, MAT 395, MAT 431.

**MAT 435 Differential Equations and Orthogonal Systems 3**

An introduction to Fourier series and orthogonal sets of functions, with applications to boundary value problems.

**Prerequisites:** Grade of C or better in MAT 293 or MAT 296 and grade C or better in MAT 390.

**MAT 436 Partial Differential Equations with Applications 3**

Fourier integrals, Bessel functions, Legendre polynomials and their applications. Existence and uniqueness of solutions to boundary value problems.

**Prerequisites:** Grade of C or better in MAT 435.

**MAT 439 Topics in Applied Mathematics 3**

Selected topics of current interest in applied mathematics.

**Prerequisites:** Grade C or better in MAT 293 or MAT 296 and grade C or better in MAT 390.

**Notes:** May be repeated for credit with approval of the Department Head.

**MAT 440 Introductory Complex Analysis 3**

The complex number system, holomorphic functions, power series, complex integration, representation theorems, the calculus of residues.

**Prerequisites:** Grade of C or better in MAT 394 or MAT 396.

**MAT 441 Stochastic Processes 3**

Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

**Prerequisites:** Grade of C or better in MAT 394 and MAT 353. or equivalents.

**MAT 442 Stochastic Processes 3**

Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

**Prerequisites:** Grade of C or better in MAT 394 and MAT 353. or equivalents.

**MAT 451 Topological Data Analysis 3**

This course covers persistent homology and topological data analysis. Topics include persistence modules, bar codes, stability, and the use of statistics and machine learning in topological data analysis.

**Prerequisites:** C or better in MAT 310 and also a C or better in MAT 311 or CSC 350 or STA 301, or permission of instructor.

**MAT 453 Mathematical Data Science I: Foundations 3**

This course is for students to build up a solid mathematical foundation in order to thrive in the rapidly growing field of data science. Students will learn essential mathematical topics in data science, including linear algebra, matrix decomposition, probability, stochastic process, analysis, optimization, geometry, and algebraic topology.

**Prerequisites:** Grade C or better in MAT 292 or MAT 296 and grade C or better in MAT 310.

**MAT 454 Mathematical Data Science II: Machine Learning 3**

Selected well-known machine learning algorithms will be studied in great mathematical detail in order for students to understand the mathematics behind them. General topics may include Regression, Dimension Reduction, Density Estimations, and Classification. Advanced topics may include Google PageRank algorithm, Manifold Learning, and the Mapper algorithm.

**Prerequisites:** Grade of C or better in MAT 453.

**MAT 465 Student Teaching and Seminar-Secondary Mathematics 12**

Supervised student teaching in senior high school under direction of university supervisor. Observation, participation, and appropriate classroom teaching experience on full-time teaching assignment for full semester with weekly seminar.

**Prerequisites:** MAT 406. Admission to the Teacher Education Program.

**MAT 486 Financial Mathematics for Actuaries 3**

Measurement of interest, present and accumulated value, amortization, sinking funds, bonds, duration, immunization, and an introductory analysis of financial derivatives. Intended to help prepare for the FM/2 actuarial exam.

**Prerequisites:** Grade C or better in MAT 394 or MAT 396 or permission of instructor.

**MAT 488 Directed Study in Mathematics 1-3**

Individual study in an appropriate area of mathematics, directed through regular conferences with the instructor.

**Prerequisites:** Permission of Instructor.

**MAT 490 Senior Seminar in Mathematics 3**

Reading, formally writing, giving oral presentations on topics in mathematics, including current mathematics literature.

**CIC:** CIC College Writing

**Prerequisites:** Senior standing and mathematics major, or permission of instructor.

**MAT 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**MAT 494 Directed Study in Mathematics 1-3**

Individual study in an appropriate area of mathematics, directed through regular conferences with the instructor.

**Prerequisites:** Permission of Instructor.

**MAT 497 Research Experience in Mathematics 1-3**

Supervised research activity on contemporary research questions in the fields of mathematics and its applications.

**Notes:** May be repeated for up to a total of six (6) credits. Grade: Pass/Not Pass (P/NP).

**MAT 503 Problem Solving in Mathematics 3**

Investigates the nature of problem solving, covers procedures involved in problem solving, develops individual problem solving skills, and collects a set of appropriate problems. Required for middle grades mathematics concentration.

**Prerequisites:** Grade of at least C in MAT 191 and MAT 303 or permission of instructor.

**Notes:** Hours do not count toward degree requirements for Mathematics majors. This course cannot be applied toward the requirements for the M.A. degree in Mathematics.

**MAT 504 Foundations of Geometry for Teachers 3**

Primarily for students seeking teacher certification. Includes logic and axiom systems, history, plane and solid Euclidean geometry, proof strategies, introduction to non-Euclidean geometries, and transformational geometry.

**Prerequisites:** Grade of C or better in MAT 292. or permission of instructor;

**Notes:** Hours do not count toward degree requirements for MATH major nor for the M.A. degree in Mathematics.

**MAT 505 Foundations of Mathematics for Teaching I 3**

Capstone survey of topics including functions, calculus concepts, geometry, probability, data analysis, and discrete mathematics. Special teaching problems and procedures for secondary education topics related to their mathematical foundations.

**Prerequisites:** Admission to Masters of Arts in Teaching (M.A.T.) program.

**MAT 506 Foundations of Mathematics for Teaching II 3**

Capstone survey course of mathematics topics including functions, calculus concepts, geometry, probability, data analysis, and discrete mathematics. Includes special teaching problems and procedures for secondary education topics related to their mathematical foundations.

**Prerequisites:** Minimum grade of C (2.0) in MAT 505 and admission to the School of Education's Master of Arts in Teaching program.

**MAT 513 Historical Development of Mathematics 3**

Study of the historical development of mathematics, not a history of persons involved in development.

**Prerequisites:** Grade of C or better in MAT 292 or MAT 296.

**Notes:** Credit hours do not count toward degree requirements for the M.A. in Mathematics.

**MAT 591 Advanced Abstract Algebra 3**

Groups: homomorphisms, quotient groups, Sylow theorems, finitely generated abelian groups. Rings: homomorphisms, ideals, quotient rings, integral domains, Euclidean domains, factorization. Fields: algebraic extensions of fields, Galois theory.

**Prerequisites:** Grade of C or better in MAT 516.

**MAT 593 Directed Study in Mathematics 1-3**

Individual study in an appropriate area of mathematics, directed through regular conferences with the instructor.

**Prerequisites:** Permission of Instructor.

**MAT 594 Directed Study in Mathematics 1-3**

Individual study in an appropriate area of mathematics, directed through regular conferences with the instructor.

**Prerequisites:** Permission of Instructor.

**MAT 601 Seminar in the Teaching of Mathematics I 1**

Seminar on practices and principles of undergraduate teaching in mathematics and statistics.

**Notes:** Required for all teaching assistants. Grade: Satisfactory/Unsatisfactory (S/U).

**MAT 602 Seminar in Mathematical Software 3**

Introduction to software and utilities for students in computational mathematics. Students implement algorithms, use software to compute mathematical objects, organize large computational tasks, and select the appropriate software to perform a given task.

**Prerequisites:** Knowledge of a programming language.

**MAT 603 Practicum in the Teaching of Mathematics 2**

Practicum in teaching mathematics at the college/university level. Topics include course design, class materials, exams, grading, syllabus, choosing textbooks, dealing with difficult matters, and mathematical typesetting.

**Corequisites:** MAT 601.

**MAT 614 Theory of Numbers 3**

An introductory course to both multiplicative and additive number theory. Divisibility, prime numbers, congruencies, linear and nonlinear Diophantine equations (including Pell's equation), quadratic residues, number-theoretic functions, and other topics.

**MAT 616 Intermediate Abstract Algebra 3**

Rings, integral domains, fields, division algorithm, factorization theorems, zeros of polynomials, greatest common divisor, formal derivatives, prime polynomials, Euclidean domains, the fundamental theorem of algebra.

**MAT 617 Theory of Groups 3**

Elementary properties of groups and homomorphisms, quotients and products of groups, the Sylow theorems, structure theory for finitely generated abelian groups.

**MAT 619 Intuitive Concepts in Topology 3**

Basic concepts, vector fields, the Jordan curve theorem, surfaces, homology of complexes, continuity.

**MAT 620 Non-Euclidean Geometry 3**

Fifth postulate, hyperbolic geometries, elliptic geometries, consistency of non-Euclidean geometries, models for geometries, elements of inversion.

**MAT 621 Projective Geometry 3**

Transformation groups and projective, affine and metric geometries of the line, plane, and space. Homogeneous coordinates, principles of duality, involutions, cross-ratio, collineations, fixed points, conics, models, and Euclidean specializations.

**Prerequisites:** Permission of instructor.

**MAT 622 Introductory Functional Analysis 3**

Basic concepts in Banach spaces, Hilbert spaces, linear operators, and their applications.

**MAT 625 Intermediate Mathematical Analysis 3**

Integration, infinite series, sequences and series of functions.

**MAT 627 Numerical Methods 3**

Number systems and errors, solutions of non-linear and linear systems, interpolation, numerical differentiation and integration, solution of differential equations. Implementation of numerical methods using a high-level programming language.

**MAT 628 Linear Programming and Optimization 3**

This course is an introduction to linear programming and optimization including: simplex method, degeneracy, efficiency, duality theory, convex analysis, game theory, financial applications, network flow problems, integer programming, and quadratic programming.

**MAT 630 Computational Discrete Mathematics 3**

Exact computations with mathematical structures. Topics include complexity analysis, multi precision arithmetic, matrix normal forms, graphs and networks, and fast Fourier transforms.

**MAT 631 Combinatorial Analysis 3**

The pigeon-hole principle, permutations, combinations, generating functions, principle of inclusion and exclusion, distributions, partitions, recurrence relations.

**MAT 632 Introductory Graph Theory 3**

Basic concepts, graph coloring, trees, planar graphs, networks.

**MAT 635 Differential Equations and Orthogonal Systems 3**

An introduction to Fourier series and orthogonal sets of functions, with applications to boundary value problems.

**MAT 636 Partial Differential Equations with Applications 3**

Fourier integrals, Bessel functions, Legendre polynomials and their applications. Existence and uniqueness of solutions to boundary value problems.

**Prerequisites:** Grade of C or better in MAT 635 or permission of instructor.

**MAT 639 Topics in Applied Mathematics 3**

Selected topics of current interest in applied mathematics.

**Prerequisites:** Permission of instructor.

**MAT 640 Introductory Complex Analysis 3**

The complex number system, holomorphic functions, power series, complex integration, representation theorems, the calculus of residues.

**MAT 641 Stochastic Processes I 3**

The first half of a year long sequence in Stochastic Processes. Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

**MAT 642 Stochastic Processes II 3**

The second half of a year long sequence in Stochastic Processes. Markov processes, Markov reward processes, queuing, decision making, graphs, and networks. Applications to performance, reliability, and availability modeling.

**Prerequisites:** MAT 641.

**MAT 651 Topological Data Analysis 3**

This course covers persistent homology and topological data analysis. Topics include persistence modules, bar codes, stability, and the use of statistics and machine learning in topological data analysis.

**MAT 653 Mathematical Data Science I: Foundations 3**

This course is for students to build up a solid mathematical foundation in order to thrive in the rapidly growing field of data science. Students will learn essential mathematical topics in data science, including linear algebra, matrix decomposition, probability, stochastic process, analysis, optimization, geometry, and algebraic topology.

**MAT 654 Mathematical Data Science II: Machine Learning 3**

Based on the specialty of the instructor, selected well-known machine learning algorithms will be studied in great mathematical detail. General topics may include Regression, Dimension Reduction, Density Estimations, and Classification. Advanced topics may include Google PageRank algorithm, Manifold Learning, and the Mapper algorithm.

**Prerequisites:** MAT 653.

**MAT 659 Advanced Topics in Mathematics 3**

Topics vary according to interest and demand, and include algebra, applied mathematics, combinatorics, dynamics, mathematical logic, topology, and other topics.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**MAT 686 Financial Mathematics for Actuaries 3**

Measurement of interest, present and accumulated value, amortization, sinking funds, bonds, duration, immunization, and an introductory analysis of financial derivatives. Intended to help prepare for the FM/2 actuarial exam.

**Prerequisites:** Minimum grade of C (2.0) in MAT 394 or permission of instructor. Graduate students in MA in Mathematics, Ph.D. students in Computational Mathematics, or undergraduate students in the accelerated BS to MA in Mathematics.

**MAT 687 Project in Mathematics 3**

Directed research project in Mathematics.

**Prerequisites:** Admission to the MA in Mathematics and Permission of Instructor.

**MAT 691 Abstract Algebra I 3**

The first half of a year-long sequence in algebra. Topics include quotients and products of groups, the Sylow theorems, and structure theory for finitely generated abelian groups, representations of groups, and the basic theory of rings.

**MAT 692 Abstract Algebra II 3**

The second half of a year-long sequence in algebra. Topics include integral domains, ideals, factorization, polynomial rings, quotient rings, finite fields, field extensions, and Galois theory.

**Prerequisites:** MAT 691 or permission of instructor.

**MAT 695 Mathematical Analysis 3**

Real number axioms, metric spaces, sequences, series, continuity, differentiation, the Riemann-Stieltjes integral.

**MAT 696 Mathematical Analysis 3**

Real number axioms, metric spaces, sequences, series, continuity, differentiation, the Riemann-Stieltjes integral.

**MAT 699 Thesis 1-6**

Individual guidance in the development and examination of a research problem.

**MAT 701 Graduate Seminar in Computational Mathematics 3**

Readings from the literature of computational mathematics.

**Prerequisites:** Permission of instructor.

**MAT 709 Topics in Computational Mathematics 3**

Advanced study in special topics in computational mathematics.

**Prerequisites:** Permission of instructor.

**MAT 721 Mathematical Cryptography 3**

Mathematics of cryptography with emphasis on public key systems. Applications of elliptic and hyperelliptic curves and lattice theory in attacking and evaluating the security of cryptographic systems.

**Prerequisites:** Permission of instructor.

**MAT 723 Numerical Mathematics 3**

Functional analytic treatment of computation, approximation, optimization, interpolation, smoothing equations, linear systems, differential equations. Emphasis on the mathematical development and analysis of numerical techniques.

**MAT 726 Finite Element Methods 3**

Introduce the fundamental concepts of the finite element method for approximating solutions to boundary and initial boundary value problems. Topics include modeling, mathematical formulations, convergence analysis, and computer implementation.

**Prerequisites:** A grade of B or better in MAT 727.

**MAT 727 Linear Algebra 3**

An introduction to vector spaces over general fields. Topics include linear transformations, dual spaces, inner product spaces, orthogonality, spectral theory, and Jordan normal form.

**MAT 728 Numerical Linear Algebra 3**

An introduction to numerical linear algebra. Topics include conditioning and stability, matrix factorizations, eigenvalue solvers, least-squares problems, and iterative methods as well as the implementation of various computational methods using a high-level programming language.

**MAT 735 Ordinary Differential Equations 3**

Existence and uniqueness theorems for initial value problems, theory of linear equations, nonlinear equations, stability theory, boundary value problems.

**MAT 736 Partial Differential Equations 3**

Derivation of partial differential equations (PDE) models and applications, linear first order PDE's, elliptic equations and Green's function, PDE's of parabolic and hyperbolic type.

**Prerequisites:** MAT 735 or permission of instructor.

**MAT 737 General Topology 3**

Topological spaces, point set topology, product and quotient spaces, embedding and metrization, uniform spaces, function spaces, homotopy theory, simplicial complexes and homology, more algebraic topology, general homology theories.

**MAT 740 Algebra I: Groups and Rings 3**

The first half of a year-long sequence in algebra. Topics include basic group and ring theory: quotients and products of groups, group actions, the Sylow theorems, structure theory for finitely generated abelian groups, domains, ideals, factorization, and polynomial rings.

**MAT 741 Algebra II: Modules and Fields 3**

The second half of a year-long sequence in algebra. Topics include basic module and field theory: quotient modules, tensor products, exact sequences, structure theory for finitely generated modules over a PID, extension of scalars, finite fields, algebraic field extensions, and Galois theory.

**Prerequisites:** MAT 740 or permission of instructor.

**MAT 742 Computational Algebraic Number Theory 3**

A constructive introduction to algebraic number theory. Topics include algebraic number fields, integral bases, ideal factorization, system of fundamental units, and the class group.

**Prerequisites:** Permission of instructor.

**MAT 743 Complex Analysis 3**

The complex number system, holomorphic functions, power series, complex integration, representation theorems, the calculus of residues.

**MAT 745 Measure Theory 3**

Lebesgue measure, and integration; existence of non-measurable sets; sigma-algebras; transfinite induction; abstract measure spaces, measurable functions, and integration; outer measures and Caratheodory's Extension Theorem; product measures; Fubini's Theorem; Egorov's Theorem; Fatou's Lemma; Dominated Convergence Theorem; modes of convergence, Borel-Cantelli Lemma.

**MAT 746 Real Analysis 3**

Lebesgue measure; the Lebesgue integral; differentiation and integration, the classical Banach spaces; metric spaces, topological spaces, compact spaces; Banach spaces, measure and integration, measure and outer measure; the Daniell integral; mappings of measure spaces.

**Prerequisites:** Bachelor's degree with a major in mathematics. Credits equivalent to credits for mathematics MAT 310, MAT 311, MAT 595, and MAT 596, or permission of instructor and department head.

**MAT 747 Computational Topology 3**

Triangulations and WRAP. Computing homology algorithmically. Morse theory and persistent homology. Computations on knots, braids, and links.

**Prerequisites:** Permission of instructor.

**MAT 748 Computational Algebra 3**

An introduction to basic subjects in computational algebra. Topics include fast arithmetic, algorithms for finite fields, matrix normal forms over rings, polynomial factorization, and lattice basis reduction.

**MAT 749 The Mathematics of Machine Learning 3**

This course covers the underlying mathematical theory behind common machine learning methods: support vector machines, kernel methods, decision trees, nearest neighbor, clustering, stochastic gradient descent, and neural networks.

**MAT 751 Advanced Topological Data Analysis 3**

This is an advanced course in topological data analysis. After covering persistent homology, bar codes, and stability, the course will move into research level topics drawn from recent papers.

**MAT 790 Directed Doctoral Research 1-6**

Individual work on a dissertation research problem, which could also include original research or a review of current literature leading to a dissertation proposal.

**Prerequisites:** Permission of Director of Graduate Study.

**MAT 799 Dissertation 1-12****MAT 801 Thesis Extension 1-3**

Thesis Extension.

**MAT 802 Dissertation Extension 1-3**

Dissertation Extension.

## Media Studies (MST)

**MST 100 Understanding Media 3**

Introduction to the discipline of Media Studies with emphasis on industry development, delivery systems, and audiences in a changing media landscape.

**MST 190 WUAG Workshop 1**

Supervised participation in radio broadcasting or program production at the campus radio station WUAG.

**Notes:** May be repeated for credit for a maximum of 3 s.h.

**MST 204 Media Writing 3**

Introduction to the theory and practice of media writing, as well as the demands and characteristics of various media forms and formats. Includes concentrated exercises in developing, shaping, and scripting messages.

**CIC:** CIC College Writing

**MST 205 Media Literacy 3**

Introduction to the critical analysis of media, its impacts, and its methods.

**MST 225 Film Appreciation 3**

Analysis of selected, significant motion pictures of the world's cinema, from the silent period to the present.

**MAC:** MAC CritThink Hum and Fine Art

**MST 226 Television Appreciation 3**

Analysis of the cultural and artistic significance of selected television programs.

**MAC:** MAC CritThink Hum and Fine Art

**MST 270 Introduction to Media Production for Non-majors 3**

Introduction to the basic aesthetic and technical concepts in media production and postproduction editing.

**Prerequisites:** Non-Media Studies majors.

**MST 271 Introduction to Media Production 3**

Introduction to techniques of media production with emphasis on video capture and editing.

**Prerequisites:** Media Studies major.

**MST 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**MST 301 Media Theory 3**

Examination of media texts, contexts, influence, and effects from a variety of theoretical perspectives.

**Notes:** May be repeated for credit.

**MST 302 Introduction to Film History 3**

Introduction to the study of international film history from the late 19th century to the present.

**Prerequisites:** MST 225.

**MST 303 History of Digital Media 3**

Emergence, structure, and history of radio, television, digital, and web-based media, as well as their practices and impacts on individuals and society.

**MST 305 Digital Media 3**

Introduction to the current development of digital media and social media platforms, with a global perspective and hands-on practice.

**MST 321 Topics in Film and Pop Culture 3**

Focusing on variable topics; examines film as a reflection of and expression of culture.

**Prerequisites:** MST 225.

**Notes:** May be repeated for credit when topic changes.

**MST 322 Media Programming 3**

Analysis of program sources for radio, television, cable, and the Internet.

**MST 325 Gender and Media Culture 3**

Examination of the nature of media contents and production processes as they influence the construction of feminine, masculine, and non-binary identities.

**CIC:** CIC College Writing

**MST 326 News Analysis 3**

Analysis of news practices and presentation across multiple media and formats from a variety of theoretical, philosophical, and historical perspectives.

**MST 327 Non-Western Film: Asian 3**

Study of films from Southeast Asia: Mainland China, Taiwan, Hong Kong, Japan, and Korea.

**MST 329 NextGen Directors: A Showcase 3**

Students in this class will view, discuss and write about the new generation of directors, notably people of color and women, including such notables as Ryan Coogler, Ava Duvernay, Jordan Peele, and Barry Jenkins, among others.

**MST 330 Cult Films 3**

Explores cultural contexts and technological developments that help form small but influential cults around certain films. Students will learn how taboo-breaking fringe filmmaking impacts mainstream cinema and culture.

**MST 341 Broadcast Newswriting 3**

Writing and planning newscasts for broadcast media.

**CIC:** CIC College Writing

**Prerequisites:** Media Studies major or Radio minor. or permission of instructor.

**MST 343 Creative Copywriting 3**

Analysis of persuasive media and examination of radio, television, and Internet advertising techniques with emphasis on developing writing skills for electronic media advertising and promotional campaigns.

**CIC:** CIC College Writing

**MST 350 Writing for the Screen 3**

Study and practice of script writing resulting in an original short script.

**CIC:** CIC College Writing

**Prerequisites:** Media Studies major or permission of instructor.

**MST 352 Creative Process in Film and Video 3**

Various approaches for the enhancement of the visual imagination, emphasizing the origination of ideas and their development into treatments and proposals for film and video.

**MST 361 Announcing for Media 3**

Theory and practice of announcing skills and techniques in radio, television, and digital media.

**Prerequisites:** Media Studies major or Radio minor or permission of instructor.

**MST 370 Single Camera Production I 3**

Introduction to narrative filmmaking, using moving images and sound to convey stories and ideas. Emphasis is given to narrative conceptualization and technical skills.

**Prerequisites:** MST 271 and MST 375 or permission of instructor.

**Notes:** May be repeated once for credit.

**MST 372 Media Sound Production 3**

Techniques and aesthetics of digital sound design for the moving image.

**Prerequisites:** MST 271 or permission of instructor.

**MST 373 TV and Film Lighting 3**

Principles of light and color in lighting for television and film production. Application of the equipment and accessories used in the execution of lighting design through practical projects.

**Prerequisites:** MST 271.

**MST 374 Cinematography 3**

Principles and practice of cinematography. Application of the equipment and accessories used in cinematography through practical projects.

**Prerequisites:** MST 271.

**MST 375 Editing I 3**

Development of practical editing skills in pacing, shot selection, and the workflow necessary for delivery.

**Prerequisites:** MST 271. Media Studies major; or permission of instructor.

**MST 388 Video Sports Production 3**

This course integrates the application of video production techniques and digital storytelling fundamentals to sports media, including eSports/ESL. In addition, the course critically analyzes the conceptual frames and themes of sport media "texts" as well as how they impact and are impacted by beliefs about gender, race, and culture.

**Prerequisites:** MST 271 or Permission of Instructor.

**MST 395 Special Problems 1-3**

Guided individual study in an area of special interest to the student.

**Prerequisites:** Permission of faculty supervisor is required prior to registration.

**Notes:** May be repeated for credit.

**MST 398 Spartan Sportslink Practicum 2**

Supervised participation in the live video production of UNCG Athletics events.

**Notes:** May be repeated once for credit.

**MST 399 Independent Study 3**

Guided practice in a creative area of media.

**Prerequisites:** Permission of faculty supervisor required prior to registration.

**Notes:** May be repeated for credit.

**MST 407 Media Law and Ethics 3**

Study of media law and questions of ethics as they apply to the mass media.

**MST 415 Film Theory 3**

Study of the principal theories of film through the writings of critics, theorists, and directors.

**Prerequisites:** MST 225 or permission of instructor.

**MST 420 History of Film to 1938 3**

Advanced study of world cinema from its prehistory in the late 19th century to the beginning of World War II in Europe, emphasizing significant movements, genres, and filmmakers.

**Prerequisites:** MST 225 or permission of instructor.

**MST 421 History of Film since 1938 3**

Advanced study of world cinema from the beginning of World War II in Europe through the present, emphasizing significant movements, genres, and filmmakers.

**Prerequisites:** MST 225 or permission of instructor.

**MST 423 Movies that Matter 3**

Examines films with social issue themes. Of late, fewer such films have been made; we will look at their relevance while examining the shifting corporate ownership of studios.

**Prerequisites:** MST 225 or permission of instructor.

**MST 424 Media Financing and Distribution 3**

The processes of raising and budgeting funds and distributing film and videos for theatrical release, direct DVD/video release, or television broadcast.

**MST 425 Media Organization and Management 3**

Principles and practices of the organization and management of electronic media and motion pictures.

**MST 427 Topics in Film Studies 3**

Study of selected topics in fictive or nonfictional films, including genres, works of an individual director, or other emphasis.

**Prerequisites:** MST 225 or permission of instructor.

**Notes:** May be repeated for credit when topic changes.

**MST 428 Topics in Electronic Media 3**

Study of selected topics in fictive or non-fictional programming for the electronic media including genres, delivery systems, or other emphasis.

**Notes:** May be repeated for credit when topic changes.

**MST 441 Video Journalism 3**

Study and practice of electronic news reporting skills and newscasting. Focus on writing news copy; reporting, shooting, and editing news packages; basic newscast production techniques.

**Prerequisites:** MST 271 and MST 341.

**MST 450 Media Script Analysis 3**

Analysis of the key structural and thematic elements of narrative screenplays.

**Prerequisites:** Junior or senior standing, or permission of instructor.

**MST 451 Writing the Feature Film I 3**

Advanced study of screenwriting with emphasis on the creation of a step outline and first act for a feature length screenplay.

**CIC:** CIC College Writing

**Prerequisites:** MST 350 or permission of instructor.

**MST 452 Writing the Feature Film II 3**

A writing workshop in which students complete the first draft and a polish of a feature-length screenplay, based on the outline and first act from MST 451.

**CIC:** CIC College Writing

**Prerequisites:** MST 451.

**MST 453 Advanced Media Writing 3**

Practice in television script writing with emphasis given to development of concepts and proposals for episodic television. Practice in analyzing and writing for existing television series and/or development of new programs.

**CIC:** CIC College Writing

**Prerequisites:** Media Studies majors, or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**MST 454 Writing the One Hour Movie 3**

Development of and writing an original short form screenplay marketable to streaming venues.

**Prerequisites:** MST 350.

**MST 459 Doing Visual History 3**

Explores the interstices of history, documentary production, and personal narratives.

**MST 468 Sportscasting 3**

Development of announcing skills and knowledge of sports necessary for sports broadcasting including play-by-play.

**Prerequisites:** Media Studies major, Radio minor, or permission of instructor.

**MST 470 Single Camera Production II 3**

Further study and practice of narrative filmmaking using moving images and sound. Emphasis is given to collaboration on more advanced projects.

**Prerequisites:** MST 370, MST 373, and MST 375 or permission of instructor.

**MST 471 Editing II 3**

Survey of the history, aesthetics, and techniques in sequencing moving images.

**Prerequisites:** MST 375 or permission of instructor.

**MST 479 Directing for the Screen 3**

Fundamentals of screen directing, which includes directing actors, script breakdown, scene blocking, communication with cast and crew, and the logistics of production.

**Prerequisites:** MST 271.

**MST 480 Directing for Television 3**

Fundamental principles of directing for television. Studio directing experience.

**Prerequisites:** Junior or senior standing, or permission of instructor.

**MST 481 Dance on Video 3**

Introduction to working with dance and video, including composing for the camera, recording dancers in action, and editing footage to create an original work.

**Prerequisites:** MST 271 or permission of instructor.

**MST 483 Advanced Media Production 3**

Advanced application of principles and techniques of media production.

**Prerequisites:** MST 271. Media Studies majors only;

**Notes:** May be repeated for credit when topic varies.

**MST 485 Client Based Production 3**

Collaborative work on the production of a client sponsored program. Emphasis on collaboration in a timely, professional manner in an environment in which students may not have complete creative control.

**Prerequisites:** MST 271 and MST 375. or permission of instructor;

**Notes:** May be repeated for a total of 6 s.h.

**MST 487 Animation Production 3**

Study and practice of animation techniques.

**Prerequisites:** MST 271 and MST 375, or permission of instructor.

**MST 488 Documentary Production 3**

Documentary construction, research, planning, and production techniques. Further development of video production skills in a supervised project.

**Prerequisites:** MST 271 and MST 375. or permission of instructor.

**MST 490 Advanced WUAG Workshop 1**

Supervised participation at an advanced level of radio broadcasting or program production at the campus radio station WUAG.

**Notes:** May be repeated for credit for a maximum of 3 s.h.

**MST 492 Media Internship 1-6**

Field learning experience in media industries. Academic supervision provided by faculty member and direction in the field provided by job supervisor.

**Prerequisites:** Restricted to Media Studies majors and permission of the Director of Internships.

**Notes:** May be repeated for credit for total of 6 s.h.

**MST 497 Advanced Media Production Practicum 1-3**

Advanced, in-depth, hands-on exposure to the many aspects of the production and postproduction process of film and electronic visualization.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of three (3) semester hours.

**MST 520 History of Film to 1938 3**

Advanced study of world cinema from its prehistory in the late 19th century to the beginning of World War II in Europe, emphasizing significant movements, genres, and filmmakers.

**MST 521 History of Film since 1938 3**

Advanced study of world cinema from the beginning of World War II in Europe through the present, emphasizing significant movements, genres, and filmmakers.

**MST 524 Media Financing and Distribution 3**

The processes of raising and budgeting funds and distributing film and videos for theatrical release, direct DVD/video release, or television broadcast.

**MST 525 Media Organization and Management 3**

Principles and practices of the organization and management of electronic media and motion pictures.

**MST 528 Topics in Film Studies 3**

Study of selected topics in fictive or nonfictional films, including genres, works of an individual director, or other emphasis.

**Notes:** May be repeated for credit when topic changes.

**MST 550 Media Script Analysis 3**

Analysis of the key structural and thematic elements of narrative screenplays.

**MST 551 Writing the Feature Film I 3**

Advanced study of screenwriting with emphasis on the creation of a step outline for a feature length screenplay.

**MST 552 Writing the Feature Film II 3**

A writing workshop in which students complete the first draft and a polish of a feature-length screenplay, based on the outline from MST 551.

**Prerequisites:** MST 551.

**MST 553 Advanced Media Writing 3**

Practice in television script writing with emphasis given to development of concepts and proposals for episodic television. Practice in analyzing and writing for existing television series and/or development of new programs.

**MST 580 Directing for Television 3**

Fundamental principles of directing for television. Laboratory directing experience.

**MST 581 Dance on Video 3**

Introduction to working with dance and video, including composing for the camera, recording dancers in action, and editing footage to create original work.

**MST 587 Animation Production 3**

Study and practice of techniques of animation.

**MST 588 Documentary Production 3**

Documentary construction, research, planning, and production techniques. Further development of video production skills in supervised laboratory project.

**MST 803 Research Extension 1-3**

Research Extension.

## Middle College (MCP)

**MCP 199 Middle College - Freshman 0****MCP 299 Middle College - Sophomore 0****MCP 399 Middle College - Junior 0****MCP 499 Middle College - Senior 0**

## Military Science (MSC)

**MSC 100 Military Science 1-3**

**MSC 100L Military Science Lab 4**

**MSC 150 Military Science 1-3**

**MSC 150L Military Science Lab 4**

**MSC 200 Military Science 1-3**

**MSC 200L Military Science Lab 4**

**MSC 250 Military Science 1-3**

**MSC 250L Military Science Lab 4**

**MSC 300 Military Science 1-3**

**MSC 300L Military Science 4**

**MSC 350 Military Science 1-3**

**MSC 350L Military Science Lab 4**

**MSC 400 Military Science 3**

**MSC 400L Military Science Lab 4**

**MSC 450 Military Science 1-3**

**MSC 450L Military Science Lab 4**

## Music Education (MUE)

**MUE 090 Choral Music Teaching Lab 0**

Meetings for all Choral/General Music Education majors. Presentations by music education majors, faculty and guests. See Student Information Manual.

**Notes:** Grade: Pass/Not Pass (P/NP).

**MUE 111 Introduction to Teaching Techniques in Choral/General Music 2**

Students will explore sequential processes of musical development (skills, content, methods, techniques and materials). Includes onsite teaching practicum.

**MUE 208 Introduction to Teaching Instrumental Music 2**

Includes the fundamentals of teaching band, orchestra, and guitar in US public schools. Includes basic playing skills and instrument pedagogy for group instruction.

**Prerequisites:** MEDU major with Choral/General Music Education concentration, and MUE 111. or permission of instructor.

**MUE 209 Introduction to Teaching Choral Music 2**

Includes the fundamentals of teaching choir in US public schools. Includes basic singing skills and choral/vocal pedagogy for group instruction.

**Prerequisites:** MEDU major with Instrumental/General Music Education concentration. admission to the Teacher Education Program; junior standing or permission of instructor.

**MUE 261 Foundations of Teaching for Musical Understanding 2**

Overview of teaching musical concepts within a developmentally appropriate P-5 U. S. general music curricular framework. Emphasizes theories of learning and development in relation to music.

**Prerequisites:** Either MUE 111 or MUE 363 or MUE 364 or MUE 365 or MUE 366. or permission of instructor.

**MUE 267 Jazz for Music Teachers 2**

Introduction to jazz for future music teachers. Primary topics include historical study, listening, improvising, coaching ensembles, observation of jazz bands, and theoretical study.

**Prerequisites:** Music Education majors only.

**MUE 356 Foundations of Teaching Vocal Music 3**

Teaching and organizing vocal music in the US public schools, with a focus on secondary school choral music materials, instruction, rehearsal strategy, and evaluation. Supervised teaching practicum. Content in individual musicianship, culturally-responsive teaching and exceptional learners will be explored in detail.

**Prerequisites:** MUE 261. admission to the Teacher Education Program; junior standing; or permission of instructor.

**MUE 357 Marching Band Techniques 3**

Study of US show-, corps-, and hybrid-style marching bands with emphasis on drill design, auxiliary units, and repertoire selection. Includes organization, personnel, equipment management, budgeting, and traveling with high school students.

**Prerequisites:** Admission to the Teacher Education Program. junior standing or permission of instructor.

**MUE 361 Music for Preschool and Elementary Teachers 3**

Preschool and elementary school music and its place in U.S. P-5 curricula. Emphasis on music concepts, materials, teaching techniques, evaluation, and interrelationship of other areas of human creativity.

**Prerequisites:** Junior standing or permission of instructor.

**MUE 363 Teaching Strings Laboratory 2**

Class instruction in playing and teaching violin, viola, cello, and bass. Includes basic playing skills on string instruments and preparation in string pedagogy for group instruction.

**Prerequisites:** MEDU major or permission of instructor.

**MUE 364 Teaching Brass Laboratory 2**

Class instruction in playing and teaching brass instruments. Includes basic playing skills on brass instruments and preparation in brass pedagogy for group instruction.

**Prerequisites:** MEDU major or permission of instructor.

**MUE 365 Teaching Woodwinds Laboratory 2**

Class instruction in playing and teaching woodwind instruments. Includes basic playing skills on woodwind instruments and preparation in woodwind pedagogy for group instruction.

**Prerequisites:** MEDU major or permission of instructor.

**MUE 366 Teaching Percussion Laboratory 2**

Class instruction in playing and teaching percussion instruments. Includes basic playing skills on percussion instruments and preparation in percussion pedagogy for group instruction.

**Prerequisites:** MEDU major or permission of instructor.

**MUE 367 Foundations of Teaching Instrumental Music 3**

Teaching and organizing instrumental music in the US public schools. Includes planning and implementing pedagogical techniques for the instrumental music classroom. Includes supervised school internship. Cultural diversity and exceptional learner content explored in detail.

**Prerequisites:** MUE 261, MUE 363, MUE 364, MUE 365, and MUE 366. admission to the Teacher Education Program; junior standing or permission of instructor.

**MUE 368 Instrument Repair 1**

Mechanics of brass, woodwind, percussion, and stringed instruments, plus laboratory time to develop skills in repairing instruments.

**Prerequisites:** MUE 363, MUE 364, MUE 365, and MUE 366. or permission of instructor.

**MUE 419 Choral Conducting II 2**

Supervised practice in conducting choral rehearsals; comparative study of rehearsal procedures and of choral objectives; continued study of choral repertory.

**Prerequisites:** MUP 319 or permission of instructor .

**MUE 461 General Music in Elementary Schools 3**

Instructional methods and approaches to promote P-5 learners' musical understanding. Includes supervised teaching practicum. Content in reading education, cultural diversity, and exceptional learners will be explored in detail.

**Prerequisites:** MUE 261. admission to the Teacher Education Program; junior or senior standing or permission of instructor.

**MUE 462 Singing Voice in Classrooms and Ensembles 2**

Provides an overview of vocal anatomy/function, care of the voice, vocal repertoire, teaching strategies, and other specialized topics related to singing instruction in music classrooms and choral settings.

**Prerequisites:** MUE 261 .

**MUE 463 Advanced String Methods 3**

Overview of classroom methods teaching for teaching strings with an emphasis on advanced skills on secondary string instruments.

**Prerequisites:** MUE 363. sophomore standing or permission of instructor .

**MUE 464 Choral Music in the Schools 3**

Advanced treatment of choral curriculum, literature selection, and teaching/assessment of ensemble musicianship. Includes supervised teaching practicum. Content in reading education, cultural diversity, and exceptional learners will be explored in detail.

**Prerequisites:** MUE 261. admission to the Teacher Education Program; senior standing or permission of instructor.

**MUE 465 Student Teaching in Music 10**

Intensive, field-based internship in school music education. Includes practical applications of previous course work in supervised settings. Taught as Speaking Intensive Course.

**Prerequisites:** MUE 461 or MUE 464 or MUE 467. senior standing; passed advanced piano proficiency (MEDU major, choral/general concentration only); admission to the professional semester for student teaching;

**Corequisites:** MUE 466.

**MUE 466 Student Teaching Seminar 2**

Forum providing special education opportunities in conjunction with student teaching experiences. Emphasis placed on professional aspects of teaching. Reading education content explored in detail. Required: student teachers.

**Prerequisites:** MUE 461 or MUE 464 or MUE 467. senior standing; passed advanced piano proficiency (MEDU major, choral/general concentration only), admission to the professional semester for student teaching;

**Corequisites:** MUE 465.

**MUE 467 Instrumental Music in Schools 3**

Methods of teaching instrumental music; study of administrative procedures, repertoire, personnel, and resources; application of music teaching techniques. Reading education, cultural diversity, and exceptional learner content will be explored in detail.

**Prerequisites:** MUE 261, MUE 363, MUE 364, MUE 365, MUE 366, and MUE 367. admission to the Teacher Education Program; senior standing or permission of instructor.

**MUE 472 Instrumental Conducting II 1**

Advanced instrumental conducting techniques, with emphasis on developing score study skills and movement fundamentals.

**Prerequisites:** Successful completion of Conducting I (MUP 372 or MUP 319) or permission of instructor.

**MUE 497 Directed Study in Music 1-3**

Supervised research in advanced subject area resulting in written document or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Associate Dean and Dean of School of Music.

**Prerequisites:** Permission of supervising professor and Dean of School of Music.

**Notes:** May be repeated for credit if topic varies.

**MUE 601 Research Methods in Music 3**

Writing skills, materials, and procedures utilized in music research; measurement, experimental design, theories/procedures for evaluation, statistics, computer applications, and initiation of scholarly research.

**MUE 605 The Measurement of Musical Behavior 3**

Review of standardized music tests and an examination of methods for developing tests related to the measurement of musical behavior.

**MUE 618 Psychology of Music 3**

The physical and psychological aspects of music involving human behavior.

**MUE 627 Issues in Multicultural Music Education 3**

Overview of historical, philosophical, cultural, and pedagogical issues in multicultural music education. Emphasis on the development of knowledge that will inform and enhance instructional practice.

**MUE 632 Methods and Materials of Music Reading Instruction 3**

Overview of methods and materials for music reading instruction. Emphasis on connections between language and music reading. Involves weekly online sessions, individual projects, and two related workshops.

**MUE 633 Music for Exceptional Children 3**

Review of the learning styles of exceptional children and the implications for providing realistic musical activities in the classroom. Emphasis will be placed on developing musical skills with special learners.

**Notes:** Non-music majors may enroll.

**MUE 634 Contemporary Trends in Music Education 3**

Current philosophies and concepts influencing contemporary music education practices, methods, and materials. Investigation into social psychology of music as applied to existing music instruction in public schools.

**MUE 639 Pedagogical Conducting 3**

Advanced classroom conducting skills including baton technique, score reading, rehearsal techniques, score analysis, repertoire, programming, and interpretation.

**Prerequisites:** Graduate standing in any Music degree program.

**MUE 645 Teaching Elementary Music: Theory and Practice 3**

Emphasis on strategies and materials for developing children's musicianship and problem-solving skills. Consideration of current child development and learning theories to teaching elementary general music.

**Prerequisites:** Music teaching experience in elementary school or the equivalent of MUE 465 Student Teaching in Music.

**MUE 650 Seminar in Music Education 3**

Salient philosophies, practices, and methods involving music education as considered in a social context; challenges in dealing with elementary and secondary students and opportunities for music education in the community. Individual research project required.

**MUE 653 Music Supervision 3**

Philosophical foundations of music education as related to the development of supervisory and administrative programs. Basic concepts of music education and means for evaluation of music education curricula.

**MUE 656 Advanced Choral and General Music Methods for the Adolescent 3**

Examination of contemporary research and pedagogy with an emphasis on developing appropriate instructional strategies for use with adolescent students in choral and general music classrooms.

**MUE 657 Advanced Music Teaching Techniques 3**

Overview of current practice in learning and teaching music with emphasis on the development of practical strategies for implementation within music classrooms and studios of all types.

**MUE 659 Philosophy of Music 3**

Overview of historical and current philosophies of music. Specific applications will be made to various areas of expertise, including music composition, education, history, performance, and theory.

**Prerequisites:** Admission to master's or doctoral program in music.

**MUE 692A Portfolio Development in Music Education 1**

Development of a portfolio that reflects the application of course work in music education to classroom teaching.

**Prerequisites:** Acceptance in MM in Music Education or permission of instructor.

**MUE 692B Portfolio Development in Music Education 1**

Development of a portfolio that reflects the application of course work in music education to classroom teaching.

**Prerequisites:** Acceptance in MM in Music Education or permission of instructor.

**MUE 697 Directed Study in Music 1-12****MUE 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**MUE 700 Research Methods in Music 3**

Writing skills, materials, and procedures utilized in music research; measurement, experimental design, theories/procedures for evaluation, statistics, computer applications, and initiation of scholarly research.

**MUE 701 Research Methods in Music II 3**

Advanced research methodology and procedures in music education.

**MUE 703 Music and the Brain 3**

An exploration of how music is processed in the brain from infancy through older age.

**MUE 704 Creative Thinking in Music 3**

Introduction to the major literature in creative thinking in music as it relates to music teaching and learning. Projects include creative work in music, journal entries, short papers, teaching strategies.

**MUE 705 College and University Music Administration 3**

Provide basic information and skills for those who are in administrative assignments, who desire careers as music administrators, or who desire and understanding of the operations of a music unit.

**MUE 706 Choral Practice Around the World 3**

An introduction to the issues, materials and pedagogy that inform teaching vocal music from diverse cultures to ensembles or classrooms of trained and untrained singers.

**MUE 707 Qualitative Research in Music Education 3**

Various inquiry approaches as practiced specifically in music education including case study, narrative, phenomenology, grounded theory, and ethnography; completion of small-scale research study; development of writing and presentation skills.

**MUE 709 The Measurement of Musical Behavior 3**

Review of standardized music tests and an examination of methods for developing tests related to the measurement of musical behavior.

**MUE 718 Psychology of Music 3**

The physical and psychological aspects of music involving human behavior.

**MUE 727 Issues in Multicultural Music Education 3**

Overview of historical, philosophical, cultural, and pedagogical issues in multicultural music education. Emphasis on the development of knowledge that will inform and enhance instructional practice.

**MUE 732 Methods and Materials of Music Reading Instruction 3**

Overview of methods and materials for music reading instruction. Emphasis on connections between language and music reading. Involves weekly online sessions, individual projects, and two related workshops.

**MUE 733 Music for Exceptional Children 3**

Review of the learning styles of exceptional children and the implications for providing realistic musical activities in the classroom. Emphasis will be placed on developing musical skills with special learners.

**Notes:** Non-music majors may enroll.

**MUE 734 Contemporary Trends in Music Education 3**

Current philosophies and concepts influencing contemporary music education practices, methods, and materials. Investigation into social psychology of music as applied to existing music instruction in public schools.

**MUE 739 Pedagogical Conducting 3**

Advanced classroom conducting skills including baton technique, score reading, rehearsal techniques, score analysis, repertoire, programming, and interpretation.

**Prerequisites:** Graduate standing in any Music degree program.

**MUE 740 Music Education in Society 3**

An exploration of music education with particular attention to societal influences on teaching and learning music in the classroom and/or the studio.

**MUE 745 Teaching Elementary Music: Theory and Practice 3**

Emphasis on strategies and materials for developing children's musicianship and problem-solving skills. Consideration of current child development and learning theories to teaching elementary general music.

**Prerequisites:** Music teaching experience in elementary school or the equivalent of MUE 465 Student Teaching in Music.

**MUE 751 Seminar in Music Education 3**

Salient philosophies, practices, and methods involving music education as considered in a social context; challenges in dealing with elementary and secondary students and opportunities for music education in the community. Individual research project required.

**MUE 753 Music Supervision 3**

Philosophical foundations of music education as related to the development of supervisory and administrative programs. Basic concepts of music education and means for evaluation of music education curricula.

**MUE 756 Advanced Choral and General Music Methods for the Adolescent 3**

Examination of contemporary research and pedagogy with an emphasis on developing appropriate instructional strategies for use with adolescent students in choral and general music classrooms.

**MUE 757 Advanced Music Teaching Techniques 3**

Overview of current practice in learning and teaching music with emphasis on the development of practical strategies for implementation within music classrooms and studios of all types.

**MUE 759 Philosophy of Music 3**

Overview of historical and current philosophies of music. Specific applications will be made to various areas of expertise, including music composition, education, history, performance, and theory.

**Prerequisites:** Admission to master's or doctoral program in music.

**MUE 797 Directed Study in Music 1-12**

Supervised advanced research requiring a written document or composition.

**MUE 799 Dissertation 1-12****MUE 802 Dissertation Extension 1-3**

Dissertation Extension.

**MUE 803 Research Extension 1-3**

## Music Ensemble (ENS)

**ENS 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ENS 318 PopTech Ensemble 1**

Pop Tech Ensembles develop each student's musicianship through the rehearsal and performance of original compositions and arrangements of existing tunes. Open to all students who can play an instrument or sing.

**Notes:** May be repeated for credit.

**ENS 320 Flute Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 324 Saxophone Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 330 Violin Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 331 Viola Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 334 Camerata 1**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** PRFM, MEDU, or MUSI major. or permission of instructor;

**Notes:** May be repeated every semester.

**ENS 347 Casella Sinfonietta 1**

Performance of conducted chamber literature for winds, strings, and percussion from all areas, including contemporary works for this medium.

**Prerequisites:** Permission of instructor.

**Corequisites:** ENS 393 or ENS 391.

**Notes:** May be repeated every semester provided different repertoire is selected.

**ENS 348 Chamber Music 1**

Group study and performance of selected chamber music literature/jazz combo literature (nonconducted) with emphasis on development of independent chamber music performance skills. Personnel and repertoire assigned by performance faculty.

**Notes:** May be repeated every semester provided different repertoire is selected.

**ENS 349 Keyboard Accompanying 1**

Students are assigned vocal and/or instrumental students to accompany with literature appropriate to the student's level. Fulfills large ensemble requirement for keyboard performance majors.

**Prerequisites:** MUP 284/MUP 285 or permission of instructor.

**Notes:** May be repeated for a total of 5 semester hours.

**ENS 350 Service Playing for Organists 2**

This course will develop essential skills in hymn-playing, organ accompaniment of choirs and soloists, keyboard improvisation, working knowledge of the major Western liturgical traditions and selection of appropriate solo literature for organ or piano within that context as well as within non-liturgical traditions; and conducting of a choir from a piano or organ within the context of a worship service.

**Prerequisites:** Organ playing ability at the 300 level or above, or written permission of instructor.

**Corequisites:** Current enrollment in studio organ or piano.

**ENS 351 Historical Performance Consort 1**

This course provides a setting in which music students will study and perform using principles, performance practices, and repertoire related to the historically informed performance of Western music of earlier ages, centering on the Baroque and Classical eras.

**Prerequisites:** MUP 252.

**Notes:** May be repeated for credit.

**ENS 366 Trumpet Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** MEDU or PRFM major. or permission of instructor;

**Notes:** May be repeated every semester.

**ENS 367 Horn Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 368 Trombone Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 369 Tuba/Euphonium Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 370 Percussion Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** May be repeated every semester.

**ENS 371 Steelpan Ensemble 1-2**

Performance of Steelpan music.

**Notes:** May be repeated for credit as topic varies. New material/repertoire will be assigned each semester.

**ENS 375 Present-Continuous New Music Ensemble 1**

Provides advanced performers with the opportunity of performing contemporary repertoire as well as music of visiting composers and members of the UNCG community. The instrumentation of the ensemble varies from 4 to 18 performers.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Pass/Not Pass (P/NP).

**ENS 376 Period Music Ensembles 1-2**

Performance of conducted and nonconducted period (Renaissance through Contemporary) literature.

**Prerequisites:** Permission of instructor.

**Notes:** Open to all university students. May be repeated provided different repertoire is selected.

**ENS 377 Old Time Ensemble 1-2**

Performance of traditional Old Time repertoire.

**Notes:** Open to all university students. May be repeated provided different repertoire is selected.

**ENS 378 Indian Music 1**

Performance of Classical Indian Music.

**Notes:** May be repeated for credit.

**ENS 379 Middle Eastern Ensemble 1**

Performance of Arab, Turkish and other middle eastern musics.

**Notes:** May be repeated for credit as topic varies. New material/repertoire will be assigned each semester.

**ENS 380 Spartan Voices 1**

Choral organization open to all undergraduate voices.

**Prerequisites:** Open to all university students.

**Notes:** May be repeated for credit.

**ENS 381 Spartan Voices II 1**

Choral organization open to all voices.

**Prerequisites:** Open to all university students.

**Notes:** May be repeated for credit.

**ENS 382 University Chorale 1**

Mixed choral organization of approximately 50 graduate and undergraduate singers.

**Prerequisites:** Membership by audition.

**Notes:** Open to all university students. May be repeated for credit.

**ENS 383 Touring Opera 1**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** PRFM, MEDU, or MUSI major. or permission of instructor;

**Notes:** May be repeated every semester.

**ENS 384 Opera Role 1-2**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** PRFM, MEDU, or MUSI major. or permission of instructor;

**Notes:** May be repeated every semester.

**ENS 385 Opera Chorus 1**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** PRFM, MEDU, or MUSI major. or permission of instructor;

**Notes:** May be repeated every semester.

**ENS 387 Coro di Belle Voci 1**

Choral Organization for graduate and undergraduate advanced soprano and alto voices.

**Prerequisites:** Membership by audition.

**Notes:** The course is open to all UNCG Sopranos and Altos. May be repeated every semester of enrollment for a total of 8 credit hours.

**ENS 388 Chamber Singers 1**

Select mixed vocal ensemble of 16 graduate and advanced undergraduate singers.

**Notes:** May be repeated for credit.

**ENS 390 Sinfonia 1**

String orchestra, performance of important works from symphonic repertoire of eighteenth, nineteenth, and twentieth centuries.

**ENS 391 University Symphony Orchestra 1**

Full symphony orchestra, performance of important works from symphonic repertoire of eighteenth, nineteenth, and twentieth centuries.

**Notes:** Open to all university students. May be repeated for credit.

**ENS 392 Concert Band 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** Open to all university students. May be repeated for credit.

**ENS 393 Wind Ensemble 1**

Wind ensemble for advanced students. Performance of appropriate wind ensemble works from all eras.

**Notes:** Open to all university students. May be repeated for credit.

**ENS 394 Symphonic Band 1**

Performance of literature from all eras, including contemporary works for this medium.

**Notes:** Open to all university students. May be repeated for credit.

**ENS 395 Jazz Ensemble I 1**

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

**Prerequisites:** Membership by audition.

**Notes:** May be repeated for credit.

**ENS 396 Jazz Ensemble II 1**

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

**Prerequisites:** Membership by audition.

**Notes:** May be repeated for credit.

**ENS 397 Pep Band 1**

The pep band performs music in a variety of styles, drives sports crowds to enthusiastic support of our Athletic teams, and provides in-game leadership in school spirit.

**Notes:** May be repeated every semester.

**ENS 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**ENS 620 Flute Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 624 Saxophone Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 630 Violin Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 631 Viola Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 634 Camerata 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 647 Casella Sinfonietta 1**

Chamber literature for winds, strings, and percussion from all eras, including contemporary works for this medium.

**Prerequisites:** Permission of instructor.

**Corequisites:** MUP 691 or MUP 693.

**Notes:** May be repeated when repertoire varies.

**ENS 648 Chamber Music 1**

Group study and performance of selected chamber music literature/jazz combo literature (non-conducted) with emphasis on development of independent chamber music performance skills. Personnel and repertoire assigned by performance faculty.

**Prerequisites:** Permission of Instructor.

**Notes:** May be repeated for credit when repertoire varies.

**ENS 651 Historical Performance Consort 1**

Provides a setting in which music students will study principles, practices, instruments, repertoire, and current professional activities related to the historically informed performance of Western music of earlier ages, centering on the Baroque and Classical eras.

**ENS 666 Trumpet Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 667 Horn Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 668 Trombone Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 669 Tuba/Euphonium Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 670 Percussion Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 671 Steelpan Ensemble 1**

Performance of Steelpan Music.

**Notes:** May be repeated for credit. New material/repertoire will be assigned each semester.

**ENS 675 Present-Continuous New Music Ensmble 1**

Provides advanced performers with the opportunity of performing contemporary repertoire as well as music of visiting composers and members of the UNCG community. The instrumentation of the ensemble varies from 4 to 18 performers.

**Prerequisites:** Permission of instructor.

**ENS 676 Period Music Ensembles 1**

Performance of conducted and non-conducted period literature for winds, string, percussion, and voice.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when different repertoire is selected.

**ENS 677 Old Time Ensemble 1**

Research, rehearsal, and performance of repertoire associated with Old Time Music.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when different repertoire is selected.

**ENS 678 Indian Music 1**

Performance of classical Indian music.

**ENS 679 Middle Eastern Ensemble 1**

Performance of Arab, Turkish and other middle eastern musics.

**Notes:** May be repeated for credit. New material/repertoire will be assigned each semester.

**ENS 680 Spartan Voices 1**

Choral organization open to all graduate voices.

**ENS 681 Spartan Voices II 1**

Choral organization open to all voices.

**Notes:** Open to all university students. May be repeated for credit.

**ENS 682 University Chorale 1**

Mixed choral organization of approximately 50 singers.

**Notes:** Membership by audition.

**ENS 683 Touring Opera 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 684 Opera Role 1-2**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** By audition.

**ENS 685 Opera Chorus 1**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** By audition.

**ENS 687 Coro di Belle Voci 1**

Choral organization for graduate and undergraduate advanced soprano and alto voices. Auditon is required or permission of instructor for admittance into the course.

**ENS 688 Chamber Singers 1**

Select mixed vocal ensemble of graduate and advanced undergraduate singers.

**Notes:** Membership by audition.

**ENS 690 Sinfonia 1**

String orchestra, performance of important works from symphonic repertoire of eighteenth, nineteenth, and twentieth centuries.

**ENS 691 University Orchestra 1**

Full symphony orchestra performing works from the symphonic repertoire of the eighteenth, nineteenth, and twentieth centuries.

**ENS 692 Concert Band 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 693 Wind Ensemble 1**

Performance of selected works for wind ensemble including both original and transcribed literature.

**Notes:** Advanced performers only, membership by audition.

**ENS 694 Symphonic Band 1**

Performs literature from all eras, including contemporary works for this medium.

**Notes:** Open to all University students.

**ENS 695 Jazz Ensemble I 1**

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

**Prerequisites:** Membership by audition.

**Notes:** May be repeated for credit.

**ENS 696 Jazz Ensemble II 1**

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

**Prerequisites:** Membership by audition.

**Notes:** May be repeated for credit.

**ENS 720 Flute Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 724 Saxophone Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 730 Violin Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 731 Viola Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 734 Camerata 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 747 Casella Sinfonietta 1**

Chamber literature for winds, strings, and percussion from all eras, including contemporary works for this medium.

**Prerequisites:** Permission of instructor.

**Corequisites:** MUP 691 or MUP 693.

**Notes:** May be repeated when repertoire varies.

**ENS 748 Chamber Music 1**

Group study and performance of selected chamber music literature/jazz combo literature (non-conducted) with emphasis on development of independent chamber music performance skills. Personnel and repertoire assigned by performance faculty.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when repertoire varies.

**ENS 751 Historical Performance Consort 1**

Provides a setting in which music students will study principles, practices, instruments, repertoire, and current professional activities related to the historically informed performance of Western music of earlier ages, centering on the Baroque and Classical eras.

**ENS 766 Trumpet Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 767 Horn Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 768 Trombone Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 769 Tuba/Euphonium Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 770 Percussion Ensemble 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 771 Steelpan Ensemble 1**

Performance of steelpan music.

**Notes:** May be repeated for credit. New material/repertoire will be assigned each semester.

**ENS 775 Present-Continuous New Music Ensmble 1**

Provides advanced performers with the opportunity of performing contemporary repertoire as well as music of visiting composers and members of the UNCG community. The instrumentation of the ensemble varies from 4 to 18 performers.

**Prerequisites:** Permission of instructor.

**ENS 776 Period Music Ensembles 1**

Performance of conducted and non-conducted period literature for winds, string, percussion, and voice.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when different repertoire is selected.

**ENS 778 Indian Music 1**

Performance of classical Indian music.

**ENS 779 Middle Eastern Ensemble 1**

Performance of Arab, Turkish and other middle eastern musics.

**Notes:** May be repeated for credit. New material/repertoire will be assigned each semester.

**ENS 782 University Chorale 1**

Mixed choral organization of approximately 50 singers.

**Notes:** Membership by audition.

**ENS 783 Touring Opera 1**

Performance of literature from all eras, including contemporary works for this medium.

**ENS 784 Opera Role 1-2**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** By audition.

**ENS 785 Opera Chorus 1**

Performance of literature from all eras, including contemporary works for this medium.

**Prerequisites:** By audition.

**ENS 787 Coro di Belle Voci 1**

Choral organization intended for graduate advanced soprano and alto voices.

**Prerequisites:** Audition is required or permission of instructor for admittance into the course.

**ENS 788 Chamber Singers 1**

Select mixed vocal ensemble intended for graduate singers.

**Notes:** Membership by audition.

**ENS 791 University Orchestra 1**

Full symphony orchestra performing works from the symphonic repertoire of the eighteenth, nineteenth, and twentieth centuries.

**ENS 793 Wind Ensemble 1**

Performance of selected works for wind ensemble including both original and transcribed literature.

**Notes:** Advanced performers only, membership by audition.

**ENS 794 Symphonic Band 1**

Performs literature from all eras, including contemporary works for this medium.

**Notes:** Open to all University students.

**ENS 795 Jazz Ensemble 1**

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

**Prerequisites:** Membership by audition.

**Notes:** May be repeated for credit.

**ENS 796 Jazz Ensemble II 1**

Performance of literature encompassing all of the jazz idioms with emphasis on contemporary composition.

**Prerequisites:** Membership by audition.

**Notes:** May be repeated for credit.

## Music Performance (MUP)

**MUP 104 Introduction to Jazz Listening 2**

The jazz masters and significant jazz recordings of the 20th century will be introduced; these recordings will range from Louis Armstrong to John Coltrane. Aural recognition will be developed.

**Prerequisites:** Music major .

**MUP 114 Popular Music Composition and Arranging 3**

Students will create new works in contemporary, commercial, or popular styles. Some projects will involve original compositions, while others will be arrangements of existing music. Beginning music notation is covered. Students work in music software, such as a DAW. Prior musical experience is expected.

**MUP 115 Composition Skills 3**

Students will compose pieces and perform their compositions. Student works will imitate historical styles or be freely devised. Ability to read music and play an instrument or sing is required.

**Prerequisites:** Music major or permission of the instructor.

**Notes:** May be repeated for credit.

**MUP 125 Class Voice 1**

Study of basic principles of vocal production, to include acquaintance with a variety of solo literature and the development of poise and stage deportment.

**Notes:** May be repeated for credit.

**MUP 131 Class Piano 1**

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

**Prerequisites:** MEDU, PRFM, or MUSI major. or permission of instructor.

**MUP 132 Class Piano 1**

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

**Prerequisites:** MEDU, PRFM, or MUSI major. or permission of instructor.

**MUP 133 Class Piano 1**

Laboratory instruction in piano. Offered as preparation for piano proficiency required of music majors whose major or principal area is not piano. MUP 131, first level; MUP 132, second level; MUP 133, third level; MUP 134, fourth level.

**Prerequisites:** MEDU, PRFM, or MUSI major. or permission of instructor .

**MUP 151 Performance Studies 1-3**

Instruction on principal instrument or in voice.

**MUP 152 Performance Studies 1-3**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit if different instrument or with approval of Department Chair. Enrollment for 2–3 credits requires coregistration in an ensemble.

**MUP 153 Performance Studies 1-3**

Performance studies instruction for non-majors or majors on secondary instrument/voice.

**Prerequisites:** Admission as a Music major. or special permission of Department; enrollment in two (2) or more s.h. requires coregistration in an ensemble;

**Notes:** May be repeated for credit if different instrument.

**MUP 155 Secondary Piano for Music Education 1-3**

Studio instruction for Music Education majors whose secondary instrument is piano.

**Prerequisites:** MUP 134, or pass first Music Education piano proficiency examination. MEDU Major.

**MUP 161 Popular Music Performance 2**

Applied instruction in popular musical styles on any instrument or voice. Instruction takes place in weekly 50-minute one-on-one lessons, plus one hour of small group sessions.

**Prerequisites:** Admission to the BM in Popular Music and Technology through audition, or permission of instructor.

**MUP 162 Popular Music Performance 2**

Applied instruction in popular musical styles on any instrument or voice. Instruction takes place in weekly 50-minute one-on-one lessons, plus one hour of small group sessions.

**Prerequisites:** Admission to the BM in Popular Music and Technology through audition, or permission of instructor.

**MUP 170 Italian and Latin Diction for Singers 1**

Study of International Phonetic Alphabet and its application to the pronunciation of Italian and ecclesiastical Latin and special problems involved in singing these languages.

**MUP 171 English Diction for Singers 1**

Study of the International Phonetic Alphabet and its application to the pronunciation of English and special problems involved in singing in English.

**Prerequisites:** MUP 170, or permission of instructor .

**MUP 180 Beginning Guitar 2**

The development of fundamental guitar proficiency, through a wide repertoire of folk and popular songs, for students with no previous experience. Must supply a 6-string acoustic guitar.

**MUP 182 Beginning Piano 2**

Beginning piano performance and music fundamentals for the student with little or no previous music study.

**Prerequisites:** Non-music majors only.

**MUP 184 Beginning Ukulele 2**

The development of fundamental ukulele proficiency, through a wide repertoire of folk and popular songs, for someone with no previous experience.

**Notes:** Students must supply a four-string acoustic ukulele.

**MUP 204 Principles of Jazz Theory 3**

Foundational knowledge for the study of Jazz and popular music improvisation, composition, and arranging; stressing nomenclature, basic chord substitution, and voice leading.

**MUP 205 Composition Studies 3**

Applied instruction in music composition.

**Prerequisites:** MUP 115 or permission of instructor. PRFM major, composition concentration.

**MUP 206 Composition Studies 3**

Applied instruction in music composition.

**Prerequisites:** MUP 115 or permission of instructor. PRFM major, composition concentration.

**MUP 220 Making Music with Computers 3**

Hands-on introduction to using computers to create music. Topics include sequencing, editing, sampling, and looping. Software includes Garage Band, Logic Express, Reason, and Audacity.

**MAC:** MAC CritThink Hum and Fine Art

**MUP 251 Performance Studies 1-6**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

**MUP 252 Performance Studies 1-6**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

**MUP 253 Performance Studies 1-3**

Performance studies instruction for non-majors or majors on secondary instrument/voice.

**Prerequisites:** Admission as a Music major or special permission of Department. enrollment in two (2) or more s.h. requires coregistration in an ensemble;

**Notes:** May be repeated for credit if different instrument.

**MUP 255 Secondary Piano for Music Education 1-3**

Studio instruction for Music Education majors whose secondary instrument is piano.

**Prerequisites:** MUP 155. MEDU Major.

**MUP 261 Popular Music Performance 2**

Applied instruction in popular musical styles on any instrument or voice. Instruction takes place in weekly 50-minute one-on-one lessons, plus one hour of small group sessions.

**Prerequisites:** Admission to the BM in Popular Music and Technology through audition, or permission of instructor.

**MUP 262 Popular Music Performance 2**

Applied instruction in popular musical styles on any instrument or voice. Instruction takes place in weekly 50-minute one-on-one lessons, plus one hour of small group sessions.

**Prerequisites:** Admission to the BM in Popular Music and Technology through audition, or permission of instructor.

**Notes:** May be repeated for credit.

**MUP 270 French Diction for Singers 1**

Phonetic alphabet as it relates to French language and special problems involved in singing this language.

**Prerequisites:** MUP 170, or permission of instructor.

**MUP 271 German Diction for Singers 1**

Phonetic alphabet as it relates to German language and special problems involved in singing this language.

**Prerequisites:** MUP 170, or permission of instructor.

**MUP 284 Fundamentals of Keyboard Accompanying I 1**

Class discussion, study and performance of literature for voice and/or instruments with keyboard accompaniment. Special attention given to sight reading techniques, German Lieder and Italian opera reductions.

**Prerequisites:** MUS 106, or permission of instructor.

**MUP 285 Fundamentals of Keyboard Accompanying II 1**

Class discussion, study, and performance of literature for voice and/or instruments with keyboard accompaniment. Special attention given to ensemble playing, orchestral transcriptions, and the style of French melodie.

**Prerequisites:** MUP 284, or permission of instructor.

**MUP 300 Recital 0**

Presentation of a varied program of music.

**MUP 301 Repertoire Class 1**

A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.

**Corequisites:** MUP 151 or MUP 152 or MUP 251 or MUP 252 or MUP 351 or MUP 352 or MUP 451 or MUP 452.

**Notes:** May be repeated as often as the student is co-registered for performance studies instruction. Grade: Pass/Not Pass (P/NP).

**MUP 302 Keyboard Harmony I 1**

A keyboard approach to the study of harmony, emphasizing extemporaneous keyboard harmonization, harmonization of melodies, and figured bass realization.

**Prerequisites:** Permission of instructor (must have passed piano proficiency test and/or be enrolled in MUP 151 or higher for piano).

**MUP 303 Keyboard Harmony II 1**

A continuation of MUP 302; a keyboard approach to the study of harmony, emphasizing extemporaneous keyboard harmonization, harmonization of melodies, and figured bass realization.

**Prerequisites:** MUP 302, or permission of instructor.

**MUP 305 Composition Studies 3**

Applied instruction in music composition.

**Prerequisites:** MUP 115 or permission of instructor. PRFM major, composition concentration.

**MUP 306 Composition Studies 3**

Applied instruction in music composition.

**Prerequisites:** MUP 115 or permission of instructor. PRFM major, composition concentration.

**MUP 307 Composition Seminar 1**

A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.

**Corequisites:** MUP 115 or MUP 205 or MUP 206 or MUP 305 or MUP 306 or MUP 405 or MUP 406.

**Notes:** Grade: Pass/Not Pass (P/NP).

**MUP 310 Audiovisual Demos For Musicians 3**

Workshop dedicated to basic audiovisual production focused on the practical needs of developing musicians. The course is designed to guide each student in producing documentation of their own creative and/or performing work.

**Prerequisites:** Music Major or permission of instructor.

**MUP 316 Modular Sound Synthesis 3**

Introduction to concepts of processing sounds using software-based sequencers and synthesizers. Sequencing software and virtual instruments; synthesizing and manipulating sounds with digital synthesizers and audio processing tools; resampling and working with audio; basic mixing and mastering for multitrack productions. Exposure to various forms of generative music for composing techniques.

**MUP 319 Choral Conducting I 1**

Conducting techniques, especially as related to choral conducting; rehearsal procedures, study of choral repertory.

**MUP 321 Jazz Improvisation I 3**

Basic course for the student with little or no previous experience in jazz improvisation. First semester: essential theoretical knowledge and practical skills and practice of integrating them into improvisation.

**Prerequisites:** MUP 204.

**MUP 322 Jazz Improvisation II 3**

Continued development of knowledge and skills present in MUP 321 with emphasis on increased fluency and mastery.

**Prerequisites:** MUP 321 or permission of instructor.

**MUP 325 Singer Songwriting 3**

This course is intended for anyone interested in learning the art of songwriting. To be successful, performance ability on an instrument or voice is highly recommended.

**MUP 331 Free Improvisation 1**

This course is designed for performers who want to develop their skill in spontaneous creative expression. It will focus on building competency and confidence in solo and collective improvisation for both vocalists and instrumentalists. Students will be led through a sequence specifically created to ease fears about improvisation and increase connectivity, creativity, and individual voice. Classes will be focused on practical experience as well as readings and activities to enhance musical intuition and instinct. The semester will culminate in a performance of improvisation.

**Notes:** May be repeated for credit.

**MUP 344 Digital Music Composition I 3**

Introductory course in electronic composition. Lecture and laboratory experience. Projects involving analog synthesis, tape techniques, computer and MIDI control of electronic instruments.

**Prerequisites:** Junior standing or permission of instructor

**Notes:** Open to all university students.

**MUP 345 Digital Music Composition II 3**

Further exploration of compositional concepts dealing with MIDI, sound synthesis, and multitracking basic recording techniques. Includes emphasis on live, interactive electronic music resources including Max/MSP, C-sound, Reaktor, and others.

**Prerequisites:** MUP 344, or permission of instructor.

**MUP 349 Audio Recording I 3**

Basic concepts and techniques of audio recording, including microphones, microphone placement, recording techniques, editing and mixing. Final project is a professional-level recording of a small ensemble or band.

**MUP 351 Performance Studies 1-6**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

**MUP 352 Performance Studies 1-6**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in a large ensemble.

**MUP 353 Performance Studies 1-3**

Performance studies instruction for non-majors or majors on secondary instrument/voice.

**Prerequisites:** Admission as a Music major or special permission of Department. enrollment in two (2) or more s.h. requires coregistration in an ensemble;

**Notes:** May be repeated for credit if different instrument.

**MUP 355 Secondary Piano for Music Education 1-3**

Studio instruction for Music Education majors whose secondary instrument is piano.

**Prerequisites:** MUP 255. MEDU Major.

**MUP 372 Instrumental Conducting I 1**

Introductory course in instrumental conducting. Emphasis on baton technique and non-verbal communication.

**Prerequisites:** Junior standing or permission of instructor.

**MUP 375 Opera Performance Techniques 2**

Techniques for the singer-actor; study of the materials and nature of music theatre; development of basic skills required in opera and/or music theatre.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit.

**MUP 400 Recital 1**

Performance of a faculty approved repertoire selection of approximately 50 minutes of music.

**Prerequisites:** Senior status in Performance Studies .

**MUP 401 Jazz Piano Skills 1**

This course teaches the basic piano chord voicings of standard jazz compositions.

**MUP 402 Entrepreneurship in the Performing Arts 3**

Focus on entrepreneurship knowledge, skills and career development in the performing arts.

**Prerequisites:** Junior or senior standing.

**Notes:** Same as ENT 402, VPA 402.

**MUP 405 Composition Studies 3**

Applied instruction in music composition.

**Prerequisites:** MUP 115 or permission of instructor. PRFM major with a composition concentration.

**MUP 406 Composition Studies Capstone 3**

Applied instruction in music composition.

**Prerequisites:** MUP 115 or permission of instructor. PRFM major with a composition concentration.

**MUP 409 Jazz Pedagogy 2**

Principles of jazz interpretation, improvisation, and arranging. Procedures of organizing and administering jazz programs. Survey of jazz study materials.

**Prerequisites:** MUP 204.

**MUP 412 Piano Pedagogy I 3**

Survey of current piano teaching philosophies, methods, and materials and their application for private and group instruction. Supervised teaching of beginning piano students.

**Prerequisites:** Keyboard principal or major or permission of instructor.

**MUP 413 Piano Literature I 3**

Survey of piano literature from ca. 1760–1825, with a preliminary investigation of music for other keyboard instruments from earliest extant sources.

**Prerequisites:** Junior or senior standing or permission of instructor.

**MUP 414 Piano Literature II 3**

Survey of piano literature from ca. 1825 to present.

**Prerequisites:** Junior or senior standing or permission of instructor.

**MUP 417 Piano Pedagogy II 3**

Survey of intermediate and moderately advanced teaching literature with emphasis on basic pedagogical approaches to technique, style, and interpretation. Procedures for teaching functional skills. Supervised teaching experience.

**Prerequisites:** Keyboard principal or major or permission of instructor .

**MUP 421 Music Technology in Performance 3**

This course is designed to develop proficiency for musicians interested in performing music that utilizes technology in many ways. Subjects include mixers, microphones, monitors, computer software programs, live looping, band setups and more. Open to everyone, including solo performers, bands/groups and performance artists.

**MUP 423 Jazz Arranging I 3**

Beginning study of language and techniques employed in arranging music for various jazz ensembles.

**Prerequisites:** MUP 204.

**MUP 424 Jazz Arranging II 3**

Advanced study of techniques and disciplines employed in arranging for jazz ensembles.

**Prerequisites:** MUP 423.

**MUP 425 Organ Pedagogy 3**

A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.

**Prerequisites:** Junior or senior keyboard major or principal.

**MUP 426 Song Literature I 3**

Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

**MUP 427 Song Literature II 3**

Survey of non-operatic solo vocal repertoire: Italian (Romantic and 20th Century), French, British, 20th-Century American. Brief historical study of major composers, poets, compositional style, and historical periods.

**MUP 428 Principles of Vocal Pedagogy 3**

Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.

**Prerequisites:** Senior standing as a voice major or principal or permission of instructor .

**MUP 436 Band Literature 3**

Band literature and origins of the band emphasizing its import and expanded cultivation during past century in United States and Europe.

**MUP 447 Vocal Coaching 1**

Facilitation of progressive development of voice students through advanced and comprehensive study of repertoire and performance practice, focusing primarily on diction, style, and interpretation.

**Prerequisites:** Voice Performance majors, junior or senior standing, and permission of coordinator of vocal area.

**Corequisites:** MUP 351 or MUP 352 or MUP 451 or MUP 452.

**Notes:** May be repeated as often as enrollment space permits.

**MUP 451 Performance Studies 1-6**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

**MUP 452 Performance Studies 1-6**

Instruction on principal instrument or in voice.

**Prerequisites:** Audition required.

**Notes:** May be repeated for credit with approval of Department Chair. Enrollment in 2 or more credits requires coregistration in an ensemble.

**MUP 455 Orchestration 3**

Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

**MUP 460 History of Jazz 3**

Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

**Prerequisites:** MUP 204. junior standing.

**MUP 486 Advanced Instrumental Conducting 3**

Topics include advanced non-verbal and gestural communication concepts, methods of score study, self-evaluation and reflection, critical listening, and application of leadership skills and rehearsal techniques in varied performance settings.

**Prerequisites:** MUE 472 or equivalent. Music majors only.

**MUP 492 Capstone Project 3**

Students design, plan and execute a project focused on music performance and technology with faculty mentorship. The project may take form of a recording release concert, an internship, a team project with other graduating students, a community project, a lecture demonstration, or another approved endeavor.

**Prerequisites:** Students with Junior or Senior standing in the BM in Performance, Concentration in Popular Music and Technology.

**MUP 497 Directed Study in Music Performance 1-3**

Supervised research in advanced subject area resulting in written document related to performance or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Department Head of Music Performance.;

**Prerequisites:** Permission of supervising professor and Department Head of Music Performance.

**Notes:** May be repeated for credit if topic varies.

**MUP 498 Italian for Singers 4**

Study of basic grammar/vocabulary required to understand/pronounce texts from Italian opera/songs. Compares standard and operatic grammatical syntax. Covers material sufficient for basic needs and social demands of the language.

**Prerequisites:** MUP 170 or comparable Italian diction course from another institution.

**MUP 600 Recital 1**

Performance of a faculty approved repertoire selection of approximately 50 minutes of music.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**MUP 601 Repertoire Class 1**

A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.

**Corequisites:** Enrollment in Performance Studies Instruction.

**Notes:** Course may be repeated for credit.

**MUP 602 Practicum in Piano Pedagogy 1**

Practicum for students in the M.M. Piano Performance, Piano Pedagogy Concentration. In this practicum, students will be teaching weekly lessons to students in the Private Lesson Program at UNCG's School of Music.

**Prerequisites:** M.M. in Piano Performance, Piano Pedagogy Concentration.

**MUP 604 Composition Seminar 1**

A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.

**Corequisites:** Enrollment in Performance Studies Instruction.

**MUP 605 Principles of Jazz Theory 2**

Establishes a foundation of knowledge for the study of jazz improvisation and composition, stressing jazz nomenclature, chord/scale analysis, basic chord substitution.

**Prerequisites:** Undergraduate degree in music or admission to the PBC in Jazz Studies.

**MUP 606 Modular Sound Synthesis 3**

Introduction to concepts of processing sounds using software-based sequencers and synthesizers. Sequencing software and virtual instruments; synthesizing and manipulating sounds with digital synthesizers and audio processing tools; resampling and working with audio; basic mixing and mastering for multitrack productions. Exposure to various forms of generative music for composing techniques.

**MUP 609 Jazz Pedagogy 2**

Principles of jazz interpretation, improvisation, and arranging. Procedures for organizing and administering jazz programs. Survey of jazz materials.

**Prerequisites:** Graduate music major.

**MUP 610 Lecture-Demonstration 2**

A research project leading to a public lecture recital.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**MUP 612 Piano Pedagogy I 3**

Survey of current piano teaching philosophies, methods, materials, and their application for private and group instruction. Supervised teaching of beginning piano students.

**MUP 613 Piano Literature I 3**

Survey of piano literature from ca. 1760-1825, with a preliminary investigation of music for the other keyboard instruments from the earliest extant sources.

**MUP 614 Piano Literature II 3**

Survey of piano literature from ca. 1825 to the present.

**MUP 617 Piano Pedagogy II 3**

Survey of intermediate and moderately advanced teaching literature with emphasis on basic pedagogical approaches to technique, style, and interpretation. Procedures for teaching functional skills. Supervised teaching experience.

**MUP 620 Seminar in Piano 3**

Study of a particular composer or genre of piano literature emphasizing stylistic features, performance problems, pedagogy, and historical perspectives. Topic to be announced.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**MUP 622 Seminar in Choral Literature 3**

In-depth study of a limited area of choral literature, tracing its historical development and performance practice. Topic to be announced.

**Notes:** May be repeated once for credit when topic varies.

**MUP 623 Jazz Arranging I 3**

Beginning study of language and techniques employed in arranging music for various jazz ensembles.

**Prerequisites:** Graduate standing in music or permission of instructor.

**MUP 624 Jazz Arranging II 3**

Advanced study of techniques and disciplines employed in arranging for jazz ensembles.

**Prerequisites:** MUP 623.

**MUP 626 Song Literature I 3**

Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

**MUP 627 Principles of Vocal Pedagogy 3**

Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.

**Prerequisites:** Senior or graduate standing as a voice major or principal or permission of instructor.

**MUP 629 Advanced Choral Conducting 3**

Advanced study of choral conducting technique, gesture, and score preparation.

**Prerequisites:** Permission of instructor.

**MUP 630 The Study and Pedagogy of Phonetics as Applied to Singing 3**

The International Phonetic Alphabet as applied to the singing of English, Italian, German, and French. Emphasis on vocal interpretation of the symbolic language and functional skills of teaching.

**MUP 634 Song Literature II 3**

Survey of non-operatic solo vocal repertoire: Italian (Romantic and 20th Century), French, British, 20th-Century American. Brief historical study of major composers, poets, compositional style, and historical periods.

**MUP 636 Band Literature 3**

Band literature and the origins of the band emphasizing its important and expanded cultivation during the past century in the United States and Europe.

**MUP 638 Organ Pedagogy 3**

A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.

**Prerequisites:** Junior, senior, or graduate keyboard major or principal.

**MUP 640 Vocal Coaching 1**

Facilitate the progressive development of voice students through advanced and comprehensive study of repertoire and performance techniques, focusing primarily on diction, style and interpretation.

**Prerequisites:** MUP 651 or higher standing in Performance Studies and permission of Vocal Area Coordinator.

**Corequisites:** MUP 651 or MUP 751.

**Notes:** May be repeated for credit.

**MUP 644 Digital Music Composition I 3**

Introductory course in electronic composition. Lecture and laboratory experience.

**Notes:** Open to all University students.

**MUP 645 Digital Music Composition II 3**

Further exploration of compositional concepts dealing with MIDI, sound synthesis, multitracking, and recording techniques. Emphasis on live, interactive electronic music resources including Max/MSP, C-Sound, Reaktor, and others.

**Notes:** Registration restricted to graduate students in Music or with permission of instructor.

**MUP 646 Audiovisual Demos For Musicians 3**

Workshop dedicated to basic audiovisual production focused on the practical and needs of professional musicians. The course is designed to guide each student in producing documentation of their own creative and/or performing work.

**MUP 649 Audio Recording I 3**

Basic concepts and techniques of audio recording, including microphones, microphone placement, recording techniques, editing and mixing. Final project is a professional-level recording of a small ensemble or band.

**MUP 651 Performance Studies 1-6**

Performance studies instruction on principal instrument, voice, composition, or conducting.

**Prerequisites:** By audition.

**Notes:** Curricular Practical Training Required for F1 Visa Holders.

**MUP 653 Performance Studies (Secondary) 0.5-2**

Performance studies instruction on secondary instrument, voice, composition, or conducting.

**Prerequisites:** By audition.

**Notes:** Curricular Practical Training Required for F1 Visa Holders.

**MUP 655 Orchestration 3**

Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

**MUP 661 Entrepreneurial Career Development in Music 3**

Focus on the entrepreneurship knowledge, skills, and career development to enable students to become the architect of his/her future.

**Notes:** Same as ENT 661.

**MUP 663 History of Jazz 3**

Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

**MUP 664 Jazz Improvisation I 3**

An introduction to jazz improvisation using modal forms, blues, and ii-V-I progressions.

**Prerequisites:** Undergraduate degree in music or admission to the P.B.C. Jazz Studies.

**MUP 665 Advanced Jazz Improvisation 3**

Continuation of Jazz Improvisation I; focus on standards through contemporary jazz performers and composers.

**Prerequisites:** MUP 664 or permission of instructor.

**MUP 675 Opera Performance Techniques 2**

Techniques for the singer-actor; study of the materials and nature of music theatre; development of skills required in opera/musical theatre.

**Prerequisites:** MUP 375 and/or permission of instructor.

**Notes:** May be repeated once for credit.

**MUP 683 Instrumental Literature and Performance Practice 3**

Survey of solo and chamber literature from the 17th century to the present. Emphasis on historical perspectives, development of instrumental genres, performance practices, listening, and general score analysis.

**MUP 686 Advanced Instrumental Conducting 3**

Topics include advanced non-verbal and gestural communication concepts, methods of score study, self-evaluation and reflection, critical listening, and application of leadership skills and rehearsal techniques in varied performance settings.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated twice for credit.

**MUP 697 Directed Study in Music Performance 1-12**

Supervised advanced research requiring a written document or composition.

**Prerequisites:** Permission of supervising professor. Director of Graduate Study, and School of Music Director.

**MUP 698 Italian for Singers 4**

Study of basic grammar/vocabulary required to understand/pronounce texts from Italian opera/songs. Compares standard and operatic grammatical syntax. Covers material sufficient for basic needs and social demands of the language.

**MUP 699 Thesis 1-6**

Individual guidance in the development of a specific performance or composition project.

**MUP 701 Repertoire Class 1**

A workshop class where pedagogy of the performance medium is discussed and works of musical literature are performed, coached, and discussed.

**Corequisites:** Enrollment in Performance Studies Instruction.

**Notes:** Course may be repeated for credit.

**MUP 703 Research Methods for Performers 3**

Survey of research methodology and approaches appropriate for doctoral students in performance and preparation for the completion of a D.M.A. dissertation document.

**MUP 704 Composition Seminar 1**

A workshop class where pedagogy of musical composition is discussed and recent works by student and professional composers are presented, performed, coached, and/or discussed.

**Corequisites:** Enrollment in Performance Studies Instruction.

**MUP 705 Principles of Jazz Theory 2**

Establishes a foundation of knowledge for the study of jazz improvisation and composition, stressing jazz nomenclature, chord/scale analysis, basic chord substitution.

**Prerequisites:** Undergraduate degree in music or admission to the P.B.C. in Jazz Studies.

**MUP 709 Jazz Pedagogy 2**

Principles of jazz interpretation, improvisation, and arranging. Procedures for organizing and administering jazz programs. Survey of jazz materials.

**Prerequisites:** Graduate music major.

**MUP 710 Lecture-Demonstration 2**

A research project leading to a public lecture recital.

**Prerequisites:** Permission of instructor.

**Notes:** Grading method is Satisfactory/Unsatisfactory (S/U).

**MUP 712 Piano Pedagogy I 3**

Survey of current piano teaching philosophies, methods, materials, and their application for private and group instruction. Supervised teaching of beginning piano students.

**MUP 713 Piano Literature I 3**

Survey of piano literature from ca. 1760-1825, with a preliminary investigation of music for the other keyboard instruments from the earliest extant sources.

**MUP 714 Piano Literature II 3**

Survey of piano literature from ca. 1825 to the present.

**MUP 717 Piano Pedagogy II 3**

Survey of intermediate and moderately advanced teaching literature with emphasis on basic pedagogical approaches to technique, style, and interpretation. Procedures for teaching functional skills. Supervised teaching experience.

**MUP 719 Seminar in Vocal Literature 3**

In-depth study of an area of vocal literature tracing the historical development and performance practice of that area. Topic to be announced.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**MUP 720 Seminar in Piano 3**

Study of a particular composer or genre of piano literature emphasizing stylistic features, performance problems, pedagogy, and historical perspectives. Topic to be announced.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**MUP 721 Music Technology in Performance 3**

Designed to develop proficiency for musicians interested in performing music that utilizes technology in many ways. Subjects include mixers, microphones, monitors, computer software programs, live looping, band setups and more.

**Notes:** Open to everyone, including solo performers, bands/groups and performance artists.

**MUP 722 Seminar in Choral Literature 3**

In-depth study of a limited area of choral literature, tracing its historical development and performance practice. Topic to be announced.

**Notes:** May be repeated once for credit when topic varies.

**MUP 723 Jazz Arranging I 3**

Beginning study of language and techniques employed in arranging music for various jazz ensembles.

**Prerequisites:** Graduate standing in music or permission of instructor.

**MUP 724 Jazz Arranging II 3**

Advanced study of techniques and disciplines employed in arranging for jazz ensembles.

**Prerequisites:** MUP 723.

**MUP 726 Song Literature I 3**

Survey of non-operatic solo vocal repertoire: Italian (Baroque and Classical), German, Nationalistic, Spanish. Brief historical study of major composers, poets, compositional style, and historical periods.

**MUP 727 Principles of Vocal Pedagogy 3**

Teaching process as applied to singing. Includes historical development and an examination and comparison of concepts and approaches past and present.

**Prerequisites:** Graduate standing as a voice major or principal or permission of instructor.

**MUP 728 Advanced Vocal Pedagogy 3**

Practical application of proven pedagogical techniques in a supervised teaching situation.

**Prerequisites:** MUP 627.

**MUP 731 Free Improvisation 1**

Designed for graduate student performers who want to develop advanced skills in spontaneous creative expression. It will focus on building competency and confidence in solo and collective improvisation for both vocalists and instrumentalists. Students will be led through a sequence specifically created to ease fears about improvisation and increase connectivity, creativity, and individual voice. Classes will be focused on practical experience as well as readings and activities to enhance musical intuition and instinct. The semester will culminate in a performance of improvisation.

**MUP 734 Song Literature II 3**

Survey of non-operatic solo vocal repertoire: Italian (Romantic and 20th Century), French, British, 20th-Century American. Brief historical study of major composers, poets, compositional style, and historical periods.

**MUP 736 Band Literature 3**

Band literature and the origins of the band emphasizing its important and expanded cultivation during the past century in the United States and Europe.

**MUP 738 Organ Pedagogy 3**

A study and evaluation of procedures used in the teaching of organ. Emphasis on skills and techniques through exercises and literature.

**Prerequisites:** Permission of instructor.

**MUP 740 Vocal Coaching 1**

Facilitate the progressive development of voice students through advanced and comprehensive study of repertoire and performance techniques, focusing primarily on diction, style and interpretation.

**Prerequisites:** MUP 651 or higher standing in Performance Studies and permission of Vocal Area Coordinator.

**Corequisites:** MUP 651 or MUP 751.

**Notes:** May be repeated for credit.

**MUP 744 Digital Music Composition I 3**

Introductory course in electronic composition. Lecture and laboratory experience.

**Notes:** Open to all University students.

**MUP 745 Digital Music Composition II 3**

Further exploration of compositional concepts dealing with MIDI, sound synthesis, multitracking, and recording techniques. Emphasis on live, interactive electronic music resources including Max/MSP, C-Sound, Reaktor, and others.

**Notes:** Registration restricted to graduate students in Music or with permission of instructor.

**MUP 747 Audio Recording I 3**

Basic concepts and techniques of audio recording, including microphones, microphone placement, recording techniques, editing and mixing. Final project is a professional-level recording of a small ensemble or band.

**MUP 748 Practicum in Instrumental Pedagogy 3**

Provides advanced knowledge of and practical experience in instrumental pedagogy through an interdisciplinary approach in areas of anatomy, physiology, kinesiology, pathology, technology, psychology, and applied performance.

**Prerequisites:** MUP 651.

**MUP 750 College Teaching: The Tenure Track 3**

Issues related to teaching performing arts in higher education. Topics include curriculum design, teaching methods, evaluation, promotion, school/departmental structure, job searching/resume preparation, copyright, publication, etc.

**Prerequisites:** Admission to a terminal degree program in the School of Music.

**MUP 751 Performance Studies 1-6**

Performance studies instruction on principal instrument, voice, composition, or conducting.

**Prerequisites:** By audition.

**Notes:** Curricular Practical Training Required for F1 Visa Holders.

**MUP 755 Orchestration 3**

Advanced techniques in instrumental scoring for large ensembles such as orchestra, wind ensemble, and jazz ensemble. Historical and stylistic analysis of the art of orchestration. Additional practical exercises in scoring and arranging for small and large ensembles.

**MUP 763 History of Jazz 3**

Chronological survey of jazz music and jazz history. Introduction to standard reference works and investigation of socio-cultural aspects.

**MUP 764 Jazz Improvisation I 3**

An introduction to jazz improvisation using modal forms, blues, and ii-V-I progressions.

**Prerequisites:** Undergraduate degree in music or admission to the P.B.C. in Jazz Studies.

**MUP 765 Advanced Jazz Improvisation 3**

Continuation of Jazz Improvisation I. Focus on standards through contemporary jazz performers and composers.

**Prerequisites:** MUP 764 or permission of instructor.

**MUP 768 Organ Literature 3**

Survey of organ literature from sixteenth century to present.

**Notes:** Open to all graduate students by permission of instructor.

**MUP 775 Opera Performance Techniques 2**

Techniques for the singer-actor, study of the materials and nature of music theatre, and development of skills required in opera/musical theatre.

**Prerequisites:** MUP 375 and/or permission of instructor.

**Notes:** May be repeated once for credit.

**MUP 783 Instrumental Literature and Performance Practice 3**

Survey of solo and chamber literature from the 17th century to the present. Emphasis on historical perspectives, development of instrumental genres, performance practices, listening, and general score analysis.

**MUP 786 Advanced Instrumental Conducting 3**

Topics include advanced non-verbal and gestural communication concepts, methods of score study, self-evaluation and reflection, critical listening, and application of leadership skills and rehearsal techniques in varied performance settings.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated twice for credit.

**MUP 797 Directed Study in Music Performance 1-12**

Supervised advanced research requiring a written document or composition.

**Prerequisites:** Permission of supervising professor. Director of Graduate Study, Dean, and School of Music Director.

**MUP 799 Dissertation 1-12****MUP 801 Thesis Extension 1-3**

Thesis Extension.

**MUP 802 Dissertation Extension 1-3**

Dissertation Extension.

## Music Studies (MUS)

**MUS 100 Fundamentals of Western European Music Theory 2**

Fundamentals of the notation and underlying concepts of Western European art music and related traditions, including staves, clefs & pitches, rhythm & meter, major & minor scales, key signatures, intervals, and triads.

**MUS 101 Analysis of Western European Music and Related Traditions I 3**

Elements of Western European art music and related traditions, including rhythm & meter, species counterpoint, figured bass, triads, and seventh chords; introduction to part writing, diatonic harmonic progression, phrases, and cadences. Intended to be taken with MUS 105.

**Prerequisites:** Passing score on the music fundamentals exam or successful completion of MUS 100. Music major or music minor.

**MUS 102 Analysis of Western European Music and Related Traditions II 3**

Continued study of Western European art music and related traditions, including part writing and diatonic harmonic progression; introduction to sequences, motives, phrase types, secondary dominants, and modulation to closely related keys. Intended to be taken with MUS 106.

**Prerequisites:** MUS 101 and MUS 105 or permission of instructor.

**MUS 105 Aural Skills I 1**

The study of elemental pitch patterns and rhythms from Western European art music and related traditions through performance, transcription, memory exercises, and structured improvisation. Intended to be taken with MUS 101.

**Prerequisites:** Passing score on the music fundamentals exam or successful completion of MUS 100. Music major or minor.

**MUS 106 Aural Skills II 1**

Continued study of pitch patterns and rhythms from Western European art music and related traditions, including diatonic modes, chromatic embellishment, modulation between relative keys, syncopation, and hemiola. Dictation of melodies and harmonic progressions. Intended to be taken with MUS 102.

**Prerequisites:** MUS 101 and MUS 105 or permission of instructor.

**MUS 107 Technology for Musicians I 1**

Introduction to computer/computer applications: word processing, database, spreadsheet, music notation, Internet and online library, Web page and multimedia development. Experience using, creating, and evaluating computer media for music.

**Prerequisites:** Music major .

**MUS 109 Orientation to College and the Music Major 3**

The course will introduce students to the people and resources in the community, on campus, and within the CVPA and School of Music that can assist them in developing the general academic and musicianship skills needed to be successful as they consider their individual interests in music.

**MAC:** MAC Foundations

**Prerequisites:** The course is for new students only. Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**MUS 120 Speaking of Music 3**

The lower division sound studies seminar develops attentive listening skills and examines different sound and perception theories drawn from traditions around the globe. A variety of oral communication skills and methods are developed and practiced.

**MAC:** MAC Oral Communication

**MUS 135 Writing Through Music 3**

Introduction to the basic tools of musicological inquiry, including music vocabulary, reading in the discipline, basic library research, and a variety of styles of writing; cultural awareness; attentive listening to music from around the world.

**MAC:** MAC Written Communication

**MUS 201 Analysis of Western European Music and Related Traditions III 3**

Advanced study of Western European art music and related traditions, including modulation, modal mixture, Neapolitan, and augmented-sixth chords; introduction to small forms, including binary, ternary, variations, and vocal forms. Intended to be taken with MUS 205.

**Prerequisites:** MUS 102 and MUS 106 or permission of instructor.

**MUS 202 Analysis of Western European Music and Related Traditions IV 3**

Advanced study of Western European art music and related traditions, including chromatic embellishing chords and modulation to distantly related keys; introduction to large forms, including rondo, sonata, and sonata-rondo, plus an introduction to twentieth-century approaches to pitch and rhythm. Intended to be taken with MUS 206.

**Prerequisites:** MUS 201 and MUS 205 or permission of instructor.

**MUS 205 Aural Skills III 1**

Advanced study of melody, harmony, and rhythm from Western European art music and related traditions, including tonicization and modulation, modal mixture, and an introduction to cross rhythms, changing meter, and asymmetric meter. Intended to be taken with MUS 201.

**Prerequisites:** MUS 102 and MUS 106 or permission of instructor.

**MUS 206 Aural Skills IV 1**

Advanced study of melody, harmony, and rhythm from Western European art music and related traditions, including modulation to distantly related keys, whole-tone and octatonic scales, and continued study of cross rhythms and changing meter. Intended to be taken with MUS 202.

**Prerequisites:** MUS 201 and MUS 205 or permission of instructor.

**MUS 211 Topics in Pop Music 3**

Examines popular music in the context of social, cultural, and political climates. Illustrates how music is an inexorable agent of social change and identity. No previous musical experience required.

**MAC:** MAC CritThink Hum and Fine Art

**MUS 212 Topics in Hip Hop 3**

Examines Hip Hop music from 1970 through 2000 in the context of social, cultural, and political climates. Illustrates how the four art forms of Hip Hop are an inexorable agent of social change and identity. No previous music experience required.

**MAC:** MAC Diversity and Equity

**MUS 214 Jazz Appreciation 3**

Introductory course focusing on jazz. Students gain understanding of aims and methods of artistic expression and the role of cultural traditions and artistic value in human society. No musical training required.

**MAC:** MAC CritThink Hum and Fine Art

**MUS 229 History of Rock Music 3**

Survey of rock music from the 1950s to the present. Emphasis will be placed on identifying specific styles and explaining the influence of key performers.

**MAC:** MAC CritThink Hum and Fine Art

**MUS 241 Music Appreciation 3**

Introduction to Western culture art music through a survey of its history, composers, forms, styles. Requires listening assignments and recital attendance. No musical training required.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Non-music majors only.

**MUS 242 Music for Film 3**

Familiarizes students with how music operates in films from the major film industries of the world, and introduces and engages musical-cinematic trends over the course of the twentieth and twenty-first centuries.

**MAC:** MAC CritThink Hum and Fine Art

**MUS 243 Music and Fairy Tales 3**

Explores the connection between fairy tales and music, particularly regarding the changes these stories undergo when they shift medium. Assignments and class discussions focus on required reading, viewing, and listening in various genres, both classical and popular, including opera, musical theater, film, ballet, and song.

**MAC:** MAC CritThink Hum and Fine Art

**MUS 244 Music Cultures of the World 3**

Survey of music cultures from around the world with emphasis on the socio-cultural context in which they are found.

**MAC:** MAC Global and Intercultural

**MUS 301 Analysis of Western European Post-Tonal Music and Related Traditions 3**

Analysis of selected post-tonal compositions from Western European art music and related traditions, as well as composition exercises based on models.

**Prerequisites:** MUS 202 and MUS 206 or permission of instructor.

**MUS 311 Anthropology of Music, Sound, and Power 3**

Introduction to the anthropology of music. Cultural analysis of music and sound in contemporary settings.

**Notes:** Students may not receive credit for both ATY 353 and MUS 311.

**MUS 325 First Nights: Five Performance Premieres 3**

Consideration of five pieces of music both as artworks and moments of cultural history. Study of the techniques of musical listening and the historical context of each premiere.

**MUS 326 Music and Environment 3**

Consideration of creative works and traditions relating human sound (music, noise, etc.) and the natural environment from artistic, humanistic, and scientific perspectives.

**MUS 332 History of Western Music II 3**

History of Western art music traditions from the early Christian era to about 1750.

**Prerequisites:** MUS 135.

**Notes:** Open to all university students.

**MUS 333 History of Western Music III 3**

History of Western art music traditions from about 1750 to the present.

**Prerequisites:** MUS 135 or permission of instructor .

**MUS 334 American Music 3**

History of music in America. Ballads, spirituals, gospel, blues, jazz, bluegrass, musical theater, rhythm and blues, rock and roll, and Native American music.

**Prerequisites:** MUS 135.

**MUS 354 Modern Asia Through Its Music 3**

Exploration of modern Asian music and culture. Examines relationships between music and national identity, ethnicity, politics, colonialism, religion, and other cultural phenomena in East, South, and Southeast Asia.

**MUS 369 Music and the Grand Tour 3**

Examines the historical phenomenon of the Grand Tour and its repercussions for European musical life since the seventeenth century; includes critical reflection on related modern tourism, including relevant sustainability issues.

**MUS 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**MUS 431 Selected Topics in Ethnomusicology 3**

This course with rotating topics will examine particular music traditions and current issues in the field of ethnomusicology beyond the survey level. Topics may focus on geographical areas (Africa, Indonesia, Native American, etc.) or theoretical/methodological issues (Music and Gender, Music and Identity, Popular Music, Fieldwork, etc.).

**Prerequisites:** Junior or Senior standing.

**Notes:** May be repeated for credit.

**MUS 439 Tonal Counterpoint 3**

Contrapuntal techniques and standard forms of the middle and late Baroque. Analysis of music by composers from Corelli to Bach, composition in representative forms, and aural training.

**Prerequisites:** MUS 202 and MUS 206.

**MUS 455 The Symphonic Tradition 3**

Advanced study of symphonic styles and techniques from Baroque era to present.

**Prerequisites:** MUS 333 or permission of instructor.

**MUS 482 Advanced Analysis of Western European Tonal Music and Related Traditions 3**

Analysis of selected tonal compositions from Western European art music and related traditions. Reading and discussion of literature on theoretical concepts and on analysis and interpretation; analytical essay writing.

**Prerequisites:** MUS 202 and MUS 206 or permission of instructor.

**MUS 483 Music before 1600 3**

Examines musical traditions before 1600 beyond the survey level. Topics may include gender/sexuality, geography, institutions, orality, performance practice, print/manuscript culture, and/or religion.

**Prerequisites:** MUS 332 or permission of instructor.

**MUS 484 Music from 1600 to 1800 3**

Examines musical traditions ca. 1600–1800 beyond the survey level. Topics include performance practice, nationalism, gender and sexuality, religion, orality/notation, organology, and iconography.

**Prerequisites:** MUS 332 or permission of instructor.

**MUS 485 Music of the Nineteenth Century 3**

Examines musical traditions ca. 1789–1914 beyond the survey level. Topics may include gender/sexuality, institutions, nationalism, nature, performance practice, and/or religion.

**Prerequisites:** MUS 333 or permission of instructor.

**MUS 486 Music of the Twentieth Century 3**

Examines musical traditions from ca. 1880 to the present beyond the survey level. Topics may include music and the State, gender/sexuality, ethnicity and identity, cultural policy/politics, religion, and/or multimedia.

**Prerequisites:** MUS 333 or permission of instructor.

**MUS 492 Capstone Seminar in Music Studies 3**

This senior capstone course for the Bachelor of Arts in Music engages areas of music study—musicology, music theory, and ethnomusicology—through a series of lectures, discussions, and student presentations.

**Prerequisites:** MUS 332 or MUS 333 or permission of instructor.

**MUS 495 History of Opera 3**

Principal opera composers and styles from Monteverdi to the present; analytical study of selected major works.

**Prerequisites:** MUS 333 or permission of instructor.

**MUS 497 Directed Study in Music 1-3**

Supervised research in advanced subject area resulting in written document or composition. Project outline (available in Music office) prepared by student and supervising professor and approved by Associate Dean and Dean of School of Music.

**Prerequisites:** Permission of supervising professor and Dean of the School of Music.

**Notes:** May be repeated for credit if topic varies.

**MUS 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**MUS 602 Seminar in Music Research and Writing 3**

Musical bibliography encompassing a range of print and electronic sources and databases. Methods for researching and writing about music, including research papers, music criticism, and other genres.

**MUS 631 Selected Topics in Ethnomusicology 3**

Music traditions and current issues in the field of ethnomusicology. Topics may focus on geographical areas or theoretical/methodological issues.

**Prerequisites:** MUE 601 or MUS 602.

**Notes:** May be repeated for credit when topic varies.

**MUS 638 Exploring Musical Cultures 1-3**

This course is used for music-study trips.

**Notes:** Offered only when a course accompanies a specific trip. Variable credit.

**MUS 639 Tonal Counterpoint 3**

Contrapuntal techniques and standard forms of the middle and late Baroque. Analysis of music by composers from Corelli to Bach, composition in representative forms, and aural training.

**MUS 644 Pedagogy of Music Theory 3**

Survey of philosophies, curricula, course content, and teaching approaches for undergraduate courses in music theory and aural skills. Students will evaluate instructional materials, observe and evaluate the teaching of others, and undertake their own teaching demonstrations.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 655 The Symphonic Tradition 3**

Advanced study of symphonic styles and techniques from Baroque era to present.

**MUS 660 Rhythm and Meter 3**

A selective survey of analytic and theoretic approaches to rhythm and meter in Western concert music as well as a sample of non-notated music.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 662 Schenkerian Analysis 3**

Theories and analytical methods of Heinrich Schenker as applied to the tonal repertory. Selected readings from Schenkerian literature.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 664 Theory and Analysis of Western European Post-Tonal Music and Related Traditions 3**

Analysis of selected post-tonal compositions from Western European art music and related traditions, as well as an exploration of their theoretical underpinnings. Readings from the secondary literature, analytical essay writing.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 665 History of Opera 3**

Principal opera composers and styles from Monteverdi to the present; analytical study of selected major works.

**MUS 669 Music and the Grand Tour 3**

Examines the historical phenomenon of the Grand Tour and its repercussions for European musical life since the seventeenth century. Includes critical reflection on related modern tourism, including relevant sustainability issues.

**MUS 674 First Nights: Five Performance Premieres 3**

In depth study of five pieces of music history selected from a variety of periods.

**Prerequisites:** Passing score on graduate music history diagnostic exam.

**MUS 685 Music of the Nineteenth Century 3**

Examines musical traditions ca. 1789-1914 beyond the survey level.

Topics may include gender/sexuality, institutions, nationalism, nature, performance practice, and/or religion.

**MUS 686 Music of the Twentieth Century 3**

Examines musical traditions from ca. 1880 to the present beyond the survey level. Topics may include music and the State, gender/sexuality, ethnicity and identity, cultural policy/politics, religion, and/or multimedia.

**MUS 687 Aural and Keyboard Skills for Music Theory 1**

Instruction and practice leading to the development of aural and keyboard skills sufficient for instructors of music theory and ear training.

**Prerequisites:** Admission to the master's degree program in music theory or the certificate program for music theory pedagogy.

**Notes:** May be repeated for credit.

**MUS 689 Practicum in Teaching Music Theory and Musicology 1**

Supervised teaching of basic music theory and aural skills, music history, music appreciation, or world music.

**Prerequisites:** Admission to the certificate program in music theory pedagogy or in musicology.

**MUS 690 Current and Historical Trends in Music Theory 3**

Selective survey of the discipline of music theory. Current and historical topics such as rhythm and meter, form, tuning and temperament, scale theory, transformational theory, gender and identity, and meaning and embodiment; analytical approaches to a variety of repertoires such as pop-rock, jazz, and world music.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 692 Advanced Analysis of Western European Tonal Music and Related Traditions 3**

Analysis of selected tonal compositions from Western European art music and related traditions. Reading and discussion of literature on theoretical concepts and on analysis and interpretation; analytical essay writing.

**MUS 697 Directed Study in Music Studies 1-12**

Supervised advanced research requiring a written document or composition.

**Prerequisites:** Permission of supervising professor. Director of Graduate Study, and Dean School of Music Director.

**MUS 698 Document in Music Theory 1,2**

Development of research topic in music theory.

**Notes:** May be taken for 2 credits in one semester or 1 credit per semester for two semesters.

**MUS 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**MUS 706 Seminar in Musicology and Ethnomusicology 3**

Selected topics in musicology and ethnomusicology, encompassing particular historical periods, geographical areas, genres, performance practices, technologies, politics, and theoretical or methodological approaches.

**Prerequisites:** MUE 601 or MUS 602 and passing score on the graduate music history diagnostic exam or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**MUS 707 Seminar in Musical Analysis 3**

Rotating topics in musical analysis such as a particular historical period, genre, composer (or set of composers), style, and/or analytical methodology.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**Notes:** May be repeated once for credit when topic varies.

**MUS 731 Selected Topics in Ethnomusicology 3**

Music traditions and current issues in the field of ethnomusicology.

Topics may focus on geographical areas or theoretical/methodological issues.

**Prerequisites:** MUS 602 or MUE 700.

**Notes:** May be repeated for credit when topic varies.

**MUS 738 Exploring Musical Cultures 1-3**

This course is used for music-study trips.

**Notes:** Offered only when a course accompanies a specific trip, course is variable credit.

**MUS 739 Tonal Counterpoint 3**

Contrapuntal techniques and standard forms of the middle and late Baroque. Analysis of music by composers from Corelli to Bach, composition in representative forms, and aural training.

**MUS 744 Pedagogy of Music Theory 3**

Survey of philosophies, curricula, course content, and teaching approaches for undergraduate courses in music theory and aural skills. Students will evaluate instructional materials, observe and evaluate the teaching of others, and undertake their own teaching demonstrations.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 755 The Symphonic Tradition 3**

Advanced study of symphonic styles and techniques from Baroque era to present.

**MUS 760 Rhythm and Meter 3**

A selective survey of analytic and theoretic approaches to rhythm and meter in Western concert music as well as a sample of non-notated music.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 762 Schenkerian Analysis 3**

Theories and analytical methods of Heinrich Schenker as applied to the tonal repertory. Selected readings from Schenkerian literature.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 764 Theory and Analysis of Western European Post-Tonal Music and Related Traditions 3**

Analysis of selected post-tonal compositions from Western European art music and related traditions, as well as an exploration of their theoretical underpinnings. Readings from the secondary literature, analytical essay writing.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 765 History of Opera 3**

Principal opera composers and styles from Monteverdi to the present; analytical study of selected major works.

**MUS 774 First Nights: Five Performance Premieres 3**

In depth study of five pieces of music history selected from a variety of periods.

**Prerequisites:** Passing score on graduate music history diagnostic exam.

**MUS 785 Music of the Nineteenth Century 3**

Examines musical traditions ca. 1789-1914 beyond the survey level. Topics may include gender/sexuality, institutions, nationalism, nature, performance practice, and/or religion.

**MUS 786 Music of the Twentieth Century 3**

Examines musical traditions from ca. 1880 to the present beyond the survey level. Topics may include music and the State, gender/sexuality, ethnicity and identity, cultural policy/politics, religion, and/or multimedia.

**MUS 789 Practicum in Teaching Music Theory and Musicology 1**

Supervised teaching of basic music theory and aural skills, music history, music appreciation, or world music.

**Prerequisites:** Admission to the certificate program in music theory pedagogy or in musicology.

**MUS 790 Current and Historical Trends in Music Theory 3**

Selective survey of the discipline of music theory. Current and historical topics such as rhythm and meter, form, tuning and temperament, scale theory, transformational theory, gender and identity, and meaning and embodiment; analytical approaches to a variety of repertoires such as pop-rock, jazz, and world music.

**Prerequisites:** Passing score on graduate theory diagnostic exam or permission of the instructor.

**MUS 792 Advanced Analysis of Western European Tonal Music and Related Traditions 3**

Analysis of selected tonal compositions from Western European art music and related traditions. Reading and discussion of literature on theoretical concepts and on analysis and interpretation; analytical essay writing.

**MUS 797 Directed Study in Music Studies 1-12**

Supervised advanced research requiring a written document or composition.

**Prerequisites:** Permission of supervising professor, Director of Graduate Study, and School of Music Director.

**MUS 801 Thesis Extension 1-3**

Thesis Extension.

**MUS 803 Research Extension 1-3**

Research Extension.

## Nanoscience (NAN)

**NAN 105 Nanotechnology: Fundamentals and Applications 3**

Introduction to major concepts in nanotechnology. Covers a range of topics in nanotechnology from fundamental properties of nanomaterials, applications of nanotechnology in consumer products, and biomedical applications, including vaccines and drug delivery systems.

**NAN 220 3D Printing and Computational Modeling 3**

3D printing is the process of building an object layer by layer using a digital representation of that object. With no prior coding experience necessary, in this course we will apply principles of scripting and coding to generate computational representations of 3D structures using programmatic computer-aided design for 3D printing.

**Prerequisites:** MAT 183 or MAT 151 or MAT 190 or MAT 184 or MAT 191 or MAT 196.

**NAN 417 Introduction to Synthetic Biology 3**

Synthetic biology will address conceptual/qualitative, quantitative, and computational approaches to the analysis and design of biological and biologically-inspired molecular systems for useful biotechnological or translational applications.

**Prerequisites:** BIO 355 or BIO 481 or BIO 418 or BIO 409 or CHE 456, or permission of instructor.

**NAN 419 Introduction to Nanotechnology 3**

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

**Prerequisites:** BIO 392, BIO 355, CHE 342, CHE 351, or permission of instructor.

**Notes:** Same as BIO 419.

**NAN 450 Emerging Infectious Diseases and Biosafety Level-3 Laboratory Training 1**

This is an elective course for students interested in learning more about emerging infectious diseases and the proper safety bio-safety protocols and procedures to study them in BSL3 lab.

**Prerequisites:** BIO 111 or permission of instructor.

**NAN 499 Undergraduate Research 1-3**

Independent research in Nanoscience under the direction of a Nanoscience faculty member, culminating in a written report. Research will include laboratory work, directed readings of the literature, and/or theoretical work in areas of Nanoscience.

**Prerequisites:** Permission of the instructor.

**Notes:** May be repeated for up to 6 s.h. credit.

**NAN 519 Introduction to Nanotechnology 3**

This course introduces students to the emerging field of nanotechnology and exposes them to current research and topics that are being influenced by nanomaterials including biology, healthcare, and the environment.

**Notes:** Same as BIO 519.

**NAN 600X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**NAN 601 Nanomaterials Chemistry 3**

Review of materials chemistry, synthesis of nanoparticles such as carbon nanotubes and fullerenes, chemical reactions and a survey of medicinal chemistry for pharmaceutical applications.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 602 Physical Biology 3**

Emphasis on cellular and intracellular mechanisms including biological self-assembly, single-molecule and single-cell biophysics, cytoskeletal interactions, protein folding, membrane dynamics, biological energetics, molecular biotechnologies, and cell-cell interactions as well as biomaterials.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 603 Principles of Quantum and Solid State Physics 3**

Emphasis on the areas of physics critical to nanoscience including solid state physics, statistical mechanics, quantum concepts, biophysics, chemical physics, and nanodevices based on semiconductors.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 604 Nanotechniques 3**

Fundamental techniques used in nanotechnology, including methods for nanofabrication, nanocharacterization, and nanomanipulation.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**NAN 605 Mathematical Methods in Modeling Complex Systems 3**

An emphasis of this required course will be on the areas of mathematics critical to nanoscience and nanoengineering including application of differential equations to numerical and analytical modeling of nanostructures.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 609 Nanosafety 3**

An interdisciplinary course utilizing variety of academic disciplines (chemistry, physics, biology). Addresses the impact of nanomaterials through the range of organization that exists within living systems (molecular to societal).

**NAN 610 Systems and Synthetic Biology 3**

Systems and synthetic biology will address quantitative and computational approaches to the analysis and re-design of biological and biologically-inspired molecular systems for useful biotechnological or translational applications.

**NAN 611 Nanoscience Laboratory Rotation 1**

A 7-week laboratory rotation intended to develop skills with scientific equipment and provide initial experience with nanoscale research. Four distinct laboratory rotations are required for the PhD in nanoscience.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**Notes:** May be repeated for credit.

**NAN 615 Spectroscopy Methods in Nanoscience 3**

Introduction to spectroscopy methods that, widely used in physics, chemistry, and biological sciences, provide knowledge for estimating applicability ranges of various methods, and teach basics of spectroscopy instruments and data analysis.

**NAN 616 Principles of Nanoscience I: Physical, Chemical, and Biological Foundations 3**

Covers the fundamental concepts in chemistry, biology and physics that are central to the interdisciplinary field of Nanoscience. Topics covered in this course include concepts in statistical mechanics (thermal, entropic, quantum, and fluctuation effects), self-assembly, diffusion, molecular recognition, molecular nanotechnology and nanomaterials, intermolecular and surface/interfacial forces at the nanoscale, cell adhesion and recognition, quantum phenomena, polymer physics, near-field optics, and nanoscale metrology, microscopy, and imaging.

**NAN 617 Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations 3**

Covers the application and theory of different mathematical techniques that enable the statistical analysis of data, modeling of complex systems, and the proper application of mathematical operations to describing nanoscale problems and mechanisms. Topics covered may include but are not limited to, descriptive statistics, practical algorithms for statistical analysis, and mathematical modeling of nanoscale systems: analytical and numerical solutions to differential equations and linear algebra methods.

**NAN 618 Lab Protocols and Practice 3**

Initial research experience for all incoming Nanoscience Ph.D. students. The goal of this course is to provide training in laboratory safety, basic laboratory techniques, oral and written communication, and review and criticism of scientific literature.

**NAN 619 Science Communications 3**

Seminar-style course that instructs the Nanoscience student in methods for critiquing scientific literature, methods for writing and organizing scientific proposals, and written and oral techniques for defending one's work.

**NAN 620 Immunology 3**

A study of the molecular and cellular basis of the immune system. Topics include the properties of antigens and immunoglobulins, the development and regulation of humoral and cell-mediated immunity, resistance and immunization to infectious diseases, allergies, and autoimmune and immunodeficiency disorders.

**Prerequisites:** UNCG graduate student in sciences.

**NAN 621 Professional Development Seminar I 1**

Workplace issues including ethics, confidentiality, writing and presentation skills, innovation, entrepreneurship, and emerging issues in nanotechnology.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**NAN 622 Professional Development Seminar II 1**

Workplace issues including business plans, globalization, emerging issues in nanotechnology, and further development of writing and presentation skills, innovation, and entrepreneurship.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**NAN 623 Optical Microscopy for Nanoscience 4**

This course presents the fundamental principles underlying modern optical microscopy in the context of nanoscience and the demonstrated application and practice of advanced optical microscopy techniques in the context of laboratory experiences.

**Prerequisites:** NAN 604 for Nanoscience students or permission of instructor for students in other programs.

**Notes:** Registration restricted to science majors (Nanoscience, Chemistry, Biology, Nutrition, or related majors).

**NAN 624 Particle Beam Microscopy for Nanoscience 4**

This course presents the fundamental principles underlying modern particle beam microscopy in the context of nanoscience and the demonstrated application and practice of advanced particle beam microscopy techniques in the context of laboratory experiences.

**Prerequisites:** NAN 604 or permission of instructor.

**NAN 625 Molecular Biology in Nanosciences 3**

A lecture and laboratory course introducing graduate level science students to the principles and practices of molecular biology with emphasis on its application and integration with nanoscience.

**Prerequisites:** Graduate students in nanoscience or other program with permission of instructor. Must have taken Basic Biology (Biology 111-112) and chemistry classes (Chem 111-115) or equivalent.

**NAN 626 Introduction to Stem Cell Biology and Ethics 3**

Fundamental issues, experimental approaches, and emerging areas in stem cell research accompanied by an understanding of the attendant ethical issues that arise from their use in healthcare applications.

**Prerequisites:** UNCG graduate student in sciences.

**NAN 630 Advances in Nano-Biosensors 3**

Interdisciplinary cutting-edge advances in biosensors with nano-perspectives; specific emphasis on fundamentals, principles and progresses of various types of nanobiosensors, and applications in disease diagnosis, biomedicines, life science and environmental monitoring.

**Prerequisites:** NAN 601, NAN 602, NAN 603, or equivalent courses.

**Corequisites:** Graduate students at UNCG or JSNN or permission of instructors.

**NAN 634 Robust Equipment and Process Control Techniques 3**

This course covers methods that enable proper and efficient instrument operation. Topics include calibration, process development, emerging technologies, and troubleshooting. The goal of the class is to reinforce the connection between data collection strategies and data analysis.

**Prerequisites:** Permission of the instructor.

**NAN 635 Nanomechanics 3**

Nanomechanics will address practical and theoretical topics regarding how forces arise and are measured at the nanoscale, and how they drive emergent behaviors in chemistry, biology, and materials science.

**Prerequisites:** NAN 605 or equivalent graduate-level mathematics.

**NAN 640 The Science and Engineering of Thin Films 3**

This course will discuss the science and engineering aspects of the most commonly used thin film formation techniques and their applications in research and technology.

**NAN 641 SemiSynBio, Advanced Materials, and Beyond 3**

Overview of nanoelectronics trends, an introduction into the emerging synthetic biology and advanced functional nanomaterials technology landscapes, applies critical thinking skills to uncover technology gaps and assess potential pathfinding opportunities, and exercises technical written and oral communication skills.

**Prerequisites:** Permission of the instructor.

**NAN 642 Breakthrough Convergence in Research and Development 3**

This course examines the roles of pathfinding, convergence, divergence, and diversity on research, translation, and society. Students apply and exercise written and oral communication and critical thinking skills to concurrently assess and prioritize convergent research strategies, translational opportunities, and the societal and ethical implications of emerging technologies.

**Prerequisites:** Permission of the instructor.

**NAN 650 Emerging Infectious Diseases and Biosafety Level-3 Laboratory Training 1**

This introductory course introduces students to the basic biology of emerging infectious disease, immunological mechanisms of pathogenesis, and vaccine development. Students will be taught differences in BSL levels focusing on BSL-3 laboratory operation. The course is intended for anyone who seeks a basic understanding of infectious disease and BSL-3 facilities.

**Prerequisites:** A basic biology class or permission of instructor.

**NAN 655 Biomimetics and Biomaterials 3**

Emphasizes the biomimetic and biological materials development and characterization. Topics range from natural to synthetic biomaterials, characterization of biomaterial properties, and discovery and application of novel biologically inspired materials.

**NAN 676 Current Topics in Nanoscience 3**

Seminar dealing with topics that include advances in nanoscience and corollary fields such as synthetic biology, materials science, nanomaterials, and nanotechnology.

**Prerequisites:** Graduate study in Nanoscience or another STEM field.

**NAN 692 Directed Studies in Nanoscience 1-4**

This course gives students flexibility in guided readings, research, and individual project work under direction of a staff member that complements their graduate project related to nanoscience.

**Prerequisites:** Permission of the Director of Graduate Study in Nanoscience and the professor who will supervise the study.

**Notes:** Repeatable up to 4 credits.

**NAN 698 Capstone Experience 3**

Students will engage in an independent project designed to synthesize their academic experience into a practice that explores the impact of nanotechnology in a variety of potential settings. Potential projects include internships with a local industrial partner or working with JSNN staff/faculty members.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**Notes:** Grading method is Satisfactory/Unsatisfactory (S/U).

**NAN 699 Thesis 1-6****NAN 700 Principles of Nanoscience I: Physical, Chemical, and Biological Foundations 3**

Covers the fundamental concepts in chemistry, biology and physics that are central to the interdisciplinary field of Nanoscience. Topics covered in this course include concepts in statistical mechanics (thermal, entropic, quantum, and fluctuation effects), self-assembly, diffusion, molecular recognition, molecular nanotechnology and nanomaterials, intermolecular and surface/interfacial forces at the nanoscale, cell adhesion and recognition, quantum phenomena, polymer physics, near-field optics, and nanoscale metrology, microscopy, and imaging.

**NAN 705 Macromolecular and Supramolecular Chemistry 3**

This course provides the fundamental concepts of macromolecular and supramolecular chemistry, self-assembly methodologies for supramolecular architectures, synthesis of hybrid nanomaterials and their applications in nanoscience and nanoengineering.

**Prerequisites:** Nanochemistry (NAN 601) or Advanced Organic Chemistry course (CHE 553) or equivalent.

**NAN 706 Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations 3**

Covers the application and theory of different mathematical techniques that enable the statistical analysis of data, modeling of complex systems, and the proper application of mathematical operations to describing nanoscale problems and mechanisms. Topics covered may include but are not limited to, descriptive statistics, practical algorithms for statistical analysis, and mathematical modeling of nanoscale systems: analytical and numerical solutions to differential equations and linear algebra methods.

**NAN 707 Lab Protocols and Practice 3**

Initial research experience for all incoming Nanoscience Ph.D. students. The goal of this course is to provide training in laboratory safety, basic laboratory techniques, oral and written communication, and review and criticism of scientific literature.

**NAN 708 Science Communications 3**

Seminar-style course that instructs the Nanoscience student in methods for critiquing scientific literature, methods for writing and organizing scientific proposals, and written and oral techniques for defending one's work.

**NAN 710 Scientific Integrity 1**

Explores contemporary issues related to scientific integrity and responsible conduct in research. Case-driven topics expose students to the issues that arise in scientific research and ways to handle these issues.

**Prerequisites:** Student at UNCG or JSNN or Permission of Instructor.

**NAN 727 Principles of Quantum and Solid State Physics 3**

Emphasis on the areas of physics critical to nanoscience including solid state physics, statistical mechanics, quantum concepts, biophysics, chemical physics, and nanodevices based on semiconductors.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 728 Nanotechniques 3**

Fundamental techniques used in nanotechnology, including methods for nanofabrication, nanocharacterization, and nanomanipulation.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 729 Mathematical Methods in Modeling Complex Systems 3**

An emphasis of this required course will be on the areas of mathematics critical to nanoscience and nanoengineering including application of differential equations to numerical and analytical modeling of nanostructures.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 731 Systems and Synthetic Biology 3**

Systems and synthetic biology will address quantitative and computational approaches to the analysis and re-design of biological and biologically-inspired molecular systems for useful biotechnological or translational applications.

**NAN 732 Nanomaterials Chemistry 3**

Review of materials chemistry, synthesis of nanoparticles such as carbon nanotubes and fullerenes, chemical reactions and a survey of medicinal chemistry for pharmaceutical applications.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 733 Physical Biology 3**

Emphasis on cellular and intracellular mechanisms including biological self-assembly, single-molecule and single-cell biophysics, cytoskeletal interactions, protein folding, membrane dynamics, biological energetics, molecular biotechnologies, and cell-cell interactions as well as biomaterials.

**Prerequisites:** Graduate student in Nanoscience or permission of instructor.

**NAN 734 Robust Equipment and Process Control Techniques 3**

This course covers methods that enable proper and efficient instrument operation. Topics include calibration, process development, emerging technologies, and troubleshooting. The goal of the class is to reinforce the connection between data collection strategies and data analysis.

**Prerequisites:** Permission of the instructor.

**NAN 740 Nonlinear Waves in Biological Excitable Media 3**

Dynamics of reaction-diffusion waves and implementation of theoretical methods to the analysis of these waves in cardiac muscle and nerves.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**NAN 741 SemiSynBio, Advanced Materials, and Beyond 3**

Overview of nanoelectronics trends, an introduction into the emerging synthetic biology and advanced functional nanomaterials technology landscapes, applies critical thinking skills to uncover technology gaps and assess potential pathfinding opportunities, and exercises technical written and oral communication skills.

**Prerequisites:** Permission of instructor.

**NAN 742 Breakthrough Convergence in Research and Development 3**

This course examines the roles of pathfinding, convergence, divergence, and diversity on research, translation, and society. Students apply and exercise written and oral communication and critical thinking skills to concurrently assess and prioritize convergent research strategies, translational opportunities, and the societal and ethical implications of emerging technologies.

**Prerequisites:** Permission of the instructor.

**NAN 743 Optical Microscopy for Nanoscience 4**

This course presents the fundamental principles underlying modern optical microscopy in the context of nanoscience and the demonstrated application and practice of advanced optical microscopy techniques in the context of laboratory experiences.

**Prerequisites:** NAN 728 for Nanoscience students or permission of instructor for students in other programs.

**Notes:** Registration restricted to science majors (Nanoscience, Chemistry, Biology, Nutrition, or related majors).

**NAN 744 Particle Beam Microscopy for Nanoscience 4**

This course presents the fundamental principles underlying modern particle beam microscopy in the context of nanoscience and the demonstrated application and practice of advanced particle beam microscopy techniques in the context of laboratory experiences.

**Prerequisites:** NAN 728 or permission of instructor.

**NAN 745 NanolImaging 3**

Use of nanoparticles for in vivo diagnostic medical imaging and therapy.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**NAN 746 Nanosafety 3**

An interdisciplinary course utilizing variety of academic disciplines (chemistry, physics, biology). Addresses the impact of nanomaterials through the range of organization that exists within living systems (molecular to societal).

**NAN 748 Macromolecular and Supramolecular Chemistry 3**

This course provides the fundamental concepts of macromolecular and supramolecular chemistry, self-assembly methodologies for supramolecular architectures, synthesis of hybrid nanomaterials and their applications in nanoscience and nanoengineering.

**Prerequisites:** Nanochemistry (NAN 732) or Advanced Organic Chemistry course (CHE 705) or equivalent.

**NAN 749 Spectroscopy Methods in Nanoscience 3**

Introduction to spectroscopy methods that, widely used in physics, chemistry, and biological sciences, provide knowledge for estimating applicability ranges of various methods, and teach basics of spectroscopy instruments and data analysis.

**NAN 750 Nanomedicine 3**

General underlying mechanisms leading to inflammation, infectious disease, cancer, and autoimmune disease and the potential nanotechnology has on diagnosing, preventing, and treating these diseases.

**Prerequisites:** Graduate student in nanoscience or permission of instructor. Basic biology.

**NAN 750X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**NAN 752 Molecular Biology in Nanosciences 3**

A lecture and laboratory course introducing graduate level science students to the principles and practices of molecular biology with emphasis on its application and integration with nanoscience.

**Prerequisites:** Graduate students in Nanoscience or other program with permission of instructor. must have taken basic biology (BIO 111-112) and chemistry classes (CHE 111-115) or equivalent.

**NAN 753 Introduction to Stem Cell Biology and Ethics 3**

Fundamental issues, experimental approaches, and emerging areas in stem cell research accompanied by an understanding of the attendant ethical issues that arise from their use in healthcare applications.

**Prerequisites:** Graduate student in sciences.

**NAN 754 Immunology 3**

A study of the molecular and cellular basis of the immune system. Topics include the properties of antigens and immunoglobulins, the development and regulation of humoral and cell-mediated immunity, resistance and immunization to infectious diseases, allergies, and autoimmune and immunodeficiency disorders.

**Prerequisites:** Graduate student in sciences.

**NAN 755 Biomimetics and Biomaterials 3**

Emphasizes the biomimetic and biological materials development and characterization. Topics range from natural to synthetic biomaterials, characterization of biomaterial properties, and discovery and application of novel biologically inspired materials.

**NAN 756 The Science and Engineering of Thin Films 3**

This course will discuss the science and engineering aspects of the most commonly used thin film formation techniques and their applications in research and technology.

**NAN 757 Nanomechanics 3**

Nanomechanics will address practical and theoretical topics regarding how forces arise and are measured at the nanoscale, and how they drive emergent behaviors in chemistry, biology, and materials science.

**Prerequisites:** NAN 729 or equivalent graduate-level mathematics course.

**NAN 758 Advances in Nano-Biosensors 3**

Interdisciplinary cutting-edge advances in biosensors with nano-perspectives. Specific emphasis on fundamentals, principles and progresses of various types of nanobiosensors, and applications in disease diagnosis, biomedicines, life science and environmental monitoring.

**Prerequisites:** NAN 727, NAN 732, NAN 733, or equivalent courses.

**Corequisites:** Graduate students at UNCG or JSNN or permission of instructors.

**NAN 760 Applied Nanoscience 3**

Provides a translational perspective to nanoscience study and research. Introduces students to the various applications of nanoscience in their daily lives while emphasizing the fundamental properties of nanomaterials that enable these applications. Introduces them to industries with job opportunities for their skill set.

**NAN 762 Nanoscale Reactions 3**

A comprehensive introduction to principles, mechanisms and applications of homo-and heterogeneous chemical or physic-reactions from nano-scale perspective incorporating recent research activities from selected peer-reviewed articles.

**Prerequisites:** NAN 727, NAN 732, NAN 733 or equivalent courses.

graduate student at UNCG or JSNN or permission of instructors;

**Notes:** Registration restricted to Nanoscience, Chemistry, Biology and Physics graduate students.

**NAN 764 Materials, Syntheses, and Processes by Design 3**

Protocols for developing structure-property correlations, stable instrumentation, efficient nanomaterial experimentation, and concurrent hypothesis testing that facilitate structural and mechanistic insight into the properties of relevant nanochemical and nanobiological systems.

**NAN 771 Computational Quantum Nanochemistry 3**

Fundamentals of computational quantum mechanics and related computational methods applicable to nanoscience. Includes hands-on computer exercises.

**Prerequisites:** Graduate student in nanoscience or permission of instructor.

**NAN 772 Nanomachines and Micromachines 3**

Introduces natural and artificial nanomachines and micromachines with an emphasis on their structure and design, mechanisms of operation, and function.

**NAN 776 Current Topics in Nanoscience 3**

Seminar dealing with topics that include advances in nanoscience and corollary fields such as synthetic biology, materials science, nanomaterials, and nanotechnology.

**Prerequisites:** Graduate study in Nanoscience or another STEM field.

**NAN 790 Doctoral Research 3**

Research course for second year Nanoscience students to engage in independent research to collect the preliminary data that will be necessary for preparing their proposal document.

**NAN 799 Nanoscience Dissertation Research 1-12**

Student will carry out original research in nanoscience with the guidance of his/her faculty advisor and committee as part of the Ph.D. in Nanoscience degree program.

**NAN 801 Thesis Extension 1-3**

Thesis Extension.

**NAN 802 Dissertation Extension 1-3**

Dissertation Extension.

**NAN 803 Research Extension 1-3**

Research Extension.

## **Nursing (NUR)**

**NUR 210 Fundamental Concepts in Nursing 3**

Introduction to fundamental concepts in nursing.

**Prerequisites:** Admission to NURS major.

**NUR 210L Fundamental Concepts in Nursing Lab 1**

Lab experience related to the fundamental concepts in nursing.

**Prerequisites:** Admission to Nursing major.

**NUR 220 Nursing Assessment of Well Individuals 2**

Introduction to basic nursing assessment of well individuals over the life span.

**Prerequisites:** Admission to NURS major. Pr. or Coreq.: NUR 210;

**Corequisites:** NUR 220L.

**NUR 220L Nursing Assessment of Well Individuals Lab 1**

Introduction to basic nursing assessment of well individuals over the life span. Laboratory and clinical activities encourage development of skills in interviewing, physical examination, and documentation of information.

**Prerequisites:** Admission to NURS major. Pr. or Coreq.: NUR 210;

**Corequisites:** NUR 220.

**NUR 302 Health Assessment for ABSN Students 3**

Introduction to basic nursing assessments of adults. Activities encourage development of skills in interviewing, physical examination, and documentation of information. This course is for ABSN students.

**Prerequisites:** Admission to Accelerated Bachelor of Science in Nursing (ABSN) program.

**Corequisites:** NUR 303, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**NUR 303 Nursing Skills for ABSN Students 1**

Introduction and practice of nursing skills necessary for care of clients. This course is for ABSN students.

**Prerequisites:** Admission to the Accelerated BSN Program.

**Corequisites:** NUR 302, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**NUR 310 Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan 4**

Nursing care of individuals who have neurobehavioral problems.

**Prerequisites:** NURS major.

**Corequisites:** NUR 310L.

**NUR 310L Practicum for Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan 1**

Practicum for nursing care of individuals who have neurobehavioral problems. Clinical activities in selected behavioral health settings.

**Prerequisites:** NURS major.

**Corequisites:** NUR 310.

**Notes:** Students must provide own transportation to practicum experiences.

**NUR 312 Adult Health 3**

Nursing care of adults with acute and chronic physiological disorders. This course is for ABSN students.

**Prerequisites:** Admission to Accelerated Bachelor of Science in Nursing (ABSN) program.

**Corequisites:** NUR 302, NUR 303, NUR 314, NUR 315, NUR 317, NUR 318.

**NUR 314 Neurobehavioral Health 3**

Nursing care of individuals who have neurobehavioral disorders. This course is for ABSN students.

**Prerequisites:** Admission to the Accelerated Bachelor of Science in Nursing (ABSN) program.

**Corequisites:** NUR 302, NUR 303, NUR 312, NUR 315, NUR 317, NUR 318.

**NUR 315 Nursing Practicum 1 3**

Application of the nursing process to adults with acute or chronic common health disorders and to individuals with neurobehavioral disorders. This course is for ABSN students.

**Prerequisites:** Admission to the Accelerated Bachelor of Science in Nursing (ABSN) program.

**Corequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 317, NUR 318.

**Notes:** Grade: Pass/Not Pass (P/NP).

**NUR 317 Professionalism I: Foundations of Nursing 4**

Introduction to fundamental concepts of professional nursing practice. This course is for ABSN students.

**Prerequisites:** Admission to Accelerated Bachelor of Science in Nursing (ABSN) program.

**Corequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 318.

**NUR 318 Pathopharmacology I: Adult and Neurobehavioral Health 3**

Study of pathophysiologic changes that influence disease processes and related pharmacological concepts in adult health and mental health. This course is for ABSN students.

**Prerequisites:** Admission to the Accelerated Bachelor of Science in Nursing (ABSN) program.

**Corequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 318.

**NUR 319 Health Equity: An Introduction to Anti-Oppressive Practices 3**

Critical analysis of inequities in health outcomes with a focus on racism in the US. Strategies for eliminating health inequities and building anti-oppressive practices in health care.

**Prerequisites:** Admission to the Lloyd International Honors College (preference given to Honors Nursing Majors).

**NUR 320 Nursing Care of Individuals with Chronic Physiological Problems 3**

Nursing care of clients who have chronic physiological problems.

**Prerequisites:** NURS major.

**Corequisites:** NUR 320L.

**NUR 320L Practicum for Nursing Care of Individuals with Chronic Physiological Problems 2**

Practicum for nursing care of clients who have chronic physiological problems.

**Prerequisites:** Overall minimum GPA of C. NURS major;

**Corequisites:** NUR 320.

**Notes:** Students must provide own transportation to practicum experiences.

**NUR 330 Global Perspectives on the Health of Women 3**

Global perspectives on women's health issues.

**NUR 340 Health and Illness in Infants, Children and Adolescents 3**

Nursing care and health promotion of infants, children, and adolescents with acute and chronic illness, special health care needs, and those receiving well child care.

**Prerequisites:** NURS major.

**Corequisites:** NUR 340L.

**NUR 340L Practicum for Health and Illness in Infants, Children and Adolescents 1**

Practicum for nursing care and health promotion of infants, children, and adolescents with acute and chronic illness, special health care needs, and those receiving well child care.

**Prerequisites:** NURS major.

**Corequisites:** NUR 340.

**Notes:** Students must provide own transportation to practicum experiences.

**NUR 345 Basic Health Management of Children 3**

Health appraisal and recognition of symptoms of illness in children. Emphasizes needs of children in group settings from infancy through elementary school age.

**Prerequisites:** HDF 111.

**NUR 346 Introduction to Health Care Informatics 3**

Exploration of informatics and health care technologies in the management of individuals, groups, and organizations for the improvement of patient outcomes.

**Prerequisites:** Must be licensed Registered Nurse. minimum GPA of C (2.0), or permission of instructor.

**NUR 355A Pathophysiology and Pharmacology for Nursing I 3**

Study of pathophysiologic changes that influence disease processes across the lifespan and related pharmacological therapies.

**Prerequisites:** NURS major.

**NUR 355B Pathophysiology and Pharmacology for Nursing II 2**

Study of selected pathophysiologic changes that influence disease processes across the lifespan and related pharmacological therapies.

**Prerequisites:** NUR 210, NUR 220, NUR 355A. Nursing major.

**NUR 360 Childbearing and Reproductive Health 3**

Nursing care of women and families along the childbearing continuum. Topics include reproductive health, promotion of health for pregnancy and birth, nursing management of complications, and newborn care.

**Prerequisites:** NURS major.

**Corequisites:** NUR 360L.

**NUR 360L Practicum for Childbearing and Reproductive Health 1**

Practicum for nursing care of women and families along the childbearing continuum. Topics include reproductive health, promotion of health for pregnancy and birth, nursing management of complications, and newborn care.

**Prerequisites:** NURS major.

**Corequisites:** NUR 360.

**Notes:** Students must provide own transportation to practicum experiences.

**NUR 365 Interprofessional Education Seminar 1**

Clinical application of theories, concepts, and research related to collaborative interprofessional education (IPE) across healthcare disciplines.

**Prerequisites:** NUR 380. NURS major.

**NUR 370 Concepts of Professional Nursing 3**

Study of basic concepts in professional nursing.

**Prerequisites:** STA 108 and satisfaction of GEC requirements for GHP, GNS, GSB, GRD, AND GRD1). must be licensed Registered Nurse; overall minimum GPA of C (2.0).

**NUR 371 Nursing Health Assessment 3**

Study of the health assessment of individuals over the life span.

Laboratory activities promote the development of assessment skills.

**Prerequisites:** Must be licensed Registered Nurse. overall minimum GPA of C (2.0).

**NUR 375 Nursing Informatics and Technology 2**

Focus on the use of electronic technologies and the management of information to facilitate nursing practice and enhance quality care.

**Prerequisites:** NURS major.

**Corequisites:** NUR 310 and NUR 310L. or NUR 320 and NUR 320L; or NUR 340 and NUR 340L; or NUR 360 and NUR 360L.

**NUR 380 Nursing Skills 2**

Introduction and practice of nursing skills necessary for care of clients in clinical settings.

**Prerequisites:** NURS major.

**NUR 385 Critical Reasoning 2**

This application based course focuses on the development and improvement of critical reasoning skills for professional nursing practice.

**Prerequisites:** NURS major.

**Corequisites:** NUR 310 and NUR 310L. or NUR 320 and NUR 320L; or NUR 340 and NUR 340L; or NUR 360 and NUR 360L.

**NUR 390 Culture and Health Care 3**

Role of culture on the health and wellbeing of individuals and selected global communities, including indigenous peoples.

**NUR 395 Transition to Civilian Professional Nursing 2**

This didactic course covers the fundamentals of professional civilian nursing. Similarities and differences between military and civilian models of care are presented.

**Prerequisites:** NURS majors enrolled in the Veterans Access Program (VAP).

**NUR 405 Pharmacology in Nursing 3**

Study of major drug groups and their action, use, side effects, and nursing care considerations. Emphasis on nursing care and teaching, built upon physiology and basic pharmacology.

**Prerequisites:** Admission to the School of Nursing. or permission of instructor.

**NUR 410 Health and Illness in Older Adults 3**

Nursing care of older adults: biopsychosocial, spiritual functioning, impact of developmental changes, illness, and dysfunction on health status and quality of life.

**Prerequisites:** NUR 310, NUR 310L, NUR 320, NUR 320L, NUR 340, NUR 340L, NUR 360, NUR 360L (or their equivalent). admission to NURS major; overall minimum GPA of C (2.0)

**Corequisites:** NUR 410L, NUR 450.

**NUR 410L Practicum for Health and Illness in Older Adults 2**

Practicum for nursing care of older adults: biopsychosocial, spiritual functioning, impact of developmental changes, illness, and dysfunction on health status and quality of life. Selected clinical activities.

**Prerequisites:** NUR 310, NUR 320, NUR 340, NUR 360.

**Corequisites:** NUR 410, NUR 450.

**NUR 411 Global Health in Nursing 3**

Critical analysis of healthcare practice within a global context. Reflective global community engagement experience integrating academic enhancement, personal growth, and global civic learning.

**Prerequisites:** NURS major. Pre-licensure BSN students: NUR 210, NUR 220 or equivalent, NUR 380; RN-BSN students: NUR 370, NUR 371; or permission of instructor.

**NUR 412 Childbearing Family Health 3**

Nursing care of women and families along the childbearing continuum to promote health and reduce risks. This course is for ABSN students.

**Prerequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**Corequisites:** NUR 414, NUR 417, NUR 418, NUR 445.

**NUR 414 Child Health 3**

Nursing care and health promotion of infants, children and adolescents with acute and chronic illness, special health care needs, and those receiving well child care. For ABSN students.

**Prerequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**Corequisites:** NUR 412, NUR 417, NUR 418, NUR 445.

**NUR 415 Nursing Leadership and Management 3**

Introduction to the leadership and management roles of the professional nurse in health care organizations.

**Prerequisites:** NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L, NUR 355, NUR 360/NUR 360L, NUR 375, and NUR 380 (or their equivalent). NURS major.

**NUR 417 Professionalism II: Nursing in Practice 4**

Application of the fundamental concepts of nursing in professional practice. This course is for ABSN students.

**Prerequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**Corequisites:** NUR 412, NUR 414, NUR 418, NUR 445.

**NUR 418 Pathopharmacology II: Childbearing and Child Health 1**

Study of pathophysiological changes that influence disease processes and related pharmacological concepts of child health and the childbearing family health. This course is for ABSN students.

**Prerequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**Corequisites:** NUR 412, NUR 414, NUR 417, NUR 445.

**NUR 420 Population Health Nursing 4**

Nursing care of populations and communities through collaborative actions across care settings.

**Prerequisites:** NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L and NUR 360/NUR 360L (or their equivalent). NURS major;

**Corequisites:** NUR 410/NUR 410L, NUR 420L, NUR 450.

**NUR 420L Practicum for Population Health Nursing 1**

Practicum for nursing care of populations and communities through collaborative actions across care settings.

**Prerequisites:** NUR 310, NUR 320, NUR 340, NUR 360.

**Corequisites:** NUR 410, NUR 420, NUR 450.

**NUR 430 Nursing Care of Individuals with Acute Physiological Problems 3**

Nursing care of individuals/families with acute physiological illness.

**Prerequisites:** NUR 410/NUR 410L, NUR 420/NUR 420L, and NUR 450.

NURS major;

**Corequisites:** NUR 415, NUR 430L.

**NUR 430L Practicum for Nursing Care of Individuals with Acute Physiological Problems 2**

Practicum for nursing care of individuals/families with acute physiological illness.

**Prerequisites:** NUR 410/NUR 410L, NUR 420/NUR 420L, NUR 450. NURS major;

**Corequisites:** NUR 415, NUR 430.

**Notes:** Students must provide own transportation to practicum experiences.

**NUR 440 Senior Capstone 4**

A concentrated 7½ week practicum where students simulate the roles of the employed graduate under the guidance of a selected nursing preceptor and a faculty facilitator.

**Prerequisites:** NUR 310/NUR 310L, NUR 320/NUR 320L, NUR 340/NUR 340L, and NUR 360/NUR 360L. NURS major;

**Corequisites:** NUR 415, NUR 430/NUR 430L, and NUR 490.

**Notes:** Grade: Pass/Not Pass (P/NP). Students must provide own transportation to practicum experiences. Course intended for senior level baccalaureate nursing students in their final semester of the major.

**NUR 445 Nursing Practicum II 3**

Practicum for nursing care of childbearing and childrearing families. This course is for ABSN students.

**Prerequisites:** NUR 302, NUR 303, NUR 312, NUR 314, NUR 315, NUR 317, NUR 318.

**Corequisites:** NUR 412, NUR 414, NUR 417, NUR 418.

**Notes:** Grade: Pass/Not Pass (P/NP).

**NUR 447 Global Health and Disaster Preparedness 3**

This course explores concepts in global health and disaster preparedness using a nation as a microcosm to explore these concepts. Offered as a Study Abroad course.

**Prerequisites:** Undergraduate student in good academic standing and instructor permission.

**NUR 450 Evidence-Based Practice and Nursing Research 3**

Introduction to the professional nurse's role in evidence-based practice and nursing research.

**Prerequisites:** NUR 310, NUR 310L, NUR 320, NUR 320L, NUR 340/NUR 340L, NUR 360, NUR 360L. NURS major;

**Corequisites:** NUR 410, NUR 410L, NUR 420, and NUR 420L.

**NUR 451 Integrating Technology in Nursing Education 3**

This course examines the role of technology in healthcare and the integration of technology into nursing practice and education settings.

**NUR 462 Older Adult and Complex Health Needs 3**

Nursing care of older adults and individuals with complex health needs. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 463, NUR 465, NUR 467, NUR 468, NUR 475, NUR 485.

**NUR 463 Population Health Nursing Care and Concepts 2**

Nursing care and concepts for populations and communities through collaborative actions across care settings. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 462, NUR 465, NUR 467, NUR 468, NUR 475, NUR 485.

**NUR 465 Nursing Practicum III 4**

Practicum for nursing care of older adults and population health. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 462, NUR 463, NUR 467, NUR 468, NUR 475, NUR 485.

**Notes:** Grade: Pass/Not Pass (P/NP).

**NUR 467 Professionalism III: Clinical Leadership and Inquiry in Nursing 4**

Application of concepts for clinical leadership and inquiry in nursing. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 462, NUR 463, NUR 465, NUR 468, NUR 475, NUR 485.

**NUR 468 Pathopharmacology III: Older Adult and Complex Health 2**

Study of pathophysiological changes that influence disease processes and related pharmacological concepts in the older adult, those with complex health needs, and in population health. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 462, NUR 463, NUR 465, NUR 467, NUR 475, NUR 485.

**NUR 470 Community Health Nursing Concepts and Care 4**

Nursing concepts and care of individuals, families, and groups within community settings.

**Prerequisites:** NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact.

**NUR 471 Nursing Care of the Older Adult 4**

Nursing concepts and care of older adults: theories of aging, physiological/psychological functioning, impact of developmental changes, illness, and chronic dysfunction.

**Prerequisites:** NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact.

**NUR 472 Nursing Leadership and Management 4**

The professional nurse's role in applying principles of leadership and management in health care organizations across the continuum of care.

**Prerequisites:** NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact.

**NUR 473 Nursing Research 4**

Introduction to nursing research and the professional nurse's role in research.

**Prerequisites:** NUR 370 and NUR 371. overall minimum GPA of C (2.0); Current unrestricted North Carolina RN license or unrestricted RN license in a state covered by the multi-state Nurse Licensure Compact. STA 108 or equivalent.

**NUR 475 Nursing Capstone Practicum 3**

A concentrated practicum where students assume the roles of the entry level registered nurse under the guidance of a selected nursing preceptor and a faculty facilitator. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 462, NUR 463, NUR 465, NUR 467, NUR 468, NUR 485.

**Notes:** Grade: Pass/Not Pass (P/NP).

**NUR 481 End-of-Life Care 3**

Critical aspects of interdisciplinary approaches to quality care at end-of-life. Includes palliative care, family, advocacy, culture, special populations, systems of care, financial issues, life threatening illnesses, and sudden death.

**NUR 485 Nursing Concepts Synthesis 3**

Cumulative synthesis of concepts learned throughout the curriculum. Emphasis placed on analysis of critical thinking skills and clinical-decision making. Also includes preparation for NCLEX-RN. This course is for ABSN students.

**Prerequisites:** NUR 412, NUR 414, NUR 417, NUR 418, NUR 445.

**Corequisites:** NUR 462, NUR 463, NUR 465, NUR 467, NUR 468, NUR 475.

**Notes:** Grade: Pass/Not Pass (P/NP).

**NUR 490 Synthesis of Nursing Concepts 2**

Cumulative integration of concepts learned throughout the curriculum. Emphasis placed on analysis of critical thinking skills and synthesis of clinical decision making. Also includes preparation for NCLEX-RN.

**Prerequisites:** NUR 410, NUR 410L, NUR 420, NUR 420L and NUR 450.

NURS major;

**Corequisites:** NUR 415, NUR 430, NUR 430L.

**NUR 492 Independent Study 1-3**

Guided readings in nursing as an individual project designed with a focus on the nursing profession and/or nursing practice. Course offering is dependent on faculty availability.

**Prerequisites:** Approval must be granted by a nursing faculty member prior to registration.

**Notes:** May be repeated for credit.

**NUR 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**NUR 500 Fundamental Concepts in Nursing 3**

Introduction to fundamental concepts in nursing.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**NUR 500L Fundamental Concepts in Nursing Lab 1**

Lab experience related to the fundamental concepts in nursing.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**NUR 501 Nursing Skills 2**

Introduction and practice of nursing skills necessary for care of clients in clinical settings.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 500, NUR 500L, NUR 502, NUR 502L, NUR 508.

**NUR 502 Nursing Assessment of Well Individuals 2**

Introduction to basic nursing assessment of well individuals over the life span.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 500, NUR 500L.

**Corequisites:** NUR 502L.

**NUR 502L Nursing Assessment of Well Individuals Lab 1**

Introduction to basic nursing assessment of well individuals over the life span. Laboratory and clinical activities encourage development of skills in interviewing, physical examination, and documentation of information.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 500, NUR 500L.

**Corequisites:** NUR 502.

**NUR 503 Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan 4**

Nursing care of individuals who have neurobehavioral problems.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 503L.

**NUR 503L Practicum for Nursing Care of Individuals with****Neurobehavioral Problems across the Lifespan 1**

Practicum for nursing care of individuals who have neurobehavioral problems. Clinical activities in selected behavioral health settings.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 503.

**NUR 504 Nursing Care of Individuals with Chronic Physiological Problems 3**

Nursing care of clients who have chronic physiological problems.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 504L.

**NUR 504L Practicum for Nursing Care of Individuals with Chronic Physiological Problems 2**

Practicum for nursing care of clients who have chronic physiological problems.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 504.

**NUR 508 Pathophysiology and Pharmacology for Nursing I 3**

Study of selected pathophysiologic changes that influence disease processes across the lifespan and related pharmacological therapies.

**Prerequisites:** NUR 500, NUR 502.

**NUR 509 Pathophysiology and Pharmacology for Nursing II 2**

Study of selected pathophysiologic changes that influence disease processes across the lifespan and related pharmacological therapies.

**Prerequisites:** NUR 500, NUR 502, NUR 508.

**NUR 510 Health and Illness in Older Adults 3**

Nursing care of older adults: biopsychosocial, spiritual functioning, impact of developmental changes, illness, and dysfunction on health status and quality of life.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 503, NUR 503L, NUR 504, NUR 504L, NUR 611, NUR 611L, NUR 613, NUR 613L (or their equivalent).

**Corequisites:** NUR 510L.

**NUR 510L Practicum for Health and Illness in Older Adults 2**

Practicum for nursing care of older adults: biopsychosocial, spiritual functioning, impact of developmental changes, illness, and dysfunction on health status and quality of life. Selected clinical activities.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 503, NUR 503L, NUR 504, NUR 504L, NUR 611, NUR 611L, NUR 613, NUR 613L (or their equivalent).

**Corequisites:** NUR 510, NUR 705.

**NUR 511 Global Health in Nursing 3**

Critical analysis of healthcare practice within a global context. Reflective global community engagement experience integrating academic enhancement, personal growth, and global civic learning.

**Prerequisites:** Admission to a Nursing graduate program.

**NUR 540 Financial Management in Healthcare 3**

Introduction to the principles of fiscal management, health care agency accounting practices, and the nurse administrator's role in budgeting processes.

**Prerequisites:** Graduate students enrolled in MSN in Nursing Administration or MSN/MBA program.

**NUR 547 Global Health and Disaster Preparedness Graduate Level 3**

This course explores concepts in global health and disaster preparedness using a nation as a microcosm to explore these concepts.

**Prerequisites:** Graduate student in good academic standing and instructor permission.

**NUR 551 Integrating Technology in Nursing Education 3**

This course examines the role of technology in healthcare and the integration of technology into nursing practice and education settings.

**NUR 601 Critique and Utilization of Research in Nursing Administration 2**

Development of knowledge and skill competencies basic to the critical interpretation and utilization of research findings in nursing administration. Graded on S/U basis.

**Prerequisites:** NUR 641.

**NUR 607 Interprofessional/Interdisciplinary Collaboration and Negotiation 3**

An integrated approach to team development and function using an interprofessional/interdisciplinary model.

**NUR 609 The Role of the Nurse Leader in Advanced Quality and Safety 4**

Prepares the student to apply principles of quality and safety at the micro (unit) and macro (organizational) system level.

**Prerequisites:** Enrolled in Nursing Leadership and Management concentration of the M.S.N. program or M.S.N./M.B.A. program or permission or instructor.

**NUR 611 Health and Illness in Infants, Children, and Adolescents 3**

Nursing care and health promotion of infants, children, and adolescents with acute and chronic illness, special health care needs, and those receiving well child care.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 611L.

**NUR 611L Practicum for Health and Illness in Infants, Children, and Adolescents 1**

Practicum for nursing care and health promotion of infants, children, and adolescents with acute and chronic illness, special health care needs, and those receiving well child care.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 611.

**NUR 612 Theoretical Foundations for the Advanced Nurse Educator 3**

Professional development of the advanced nurse educator integrating theory, roles, and practice.

**Prerequisites:** NUR 616.

**NUR 613 Childbearing and Reproductive Health 3**

Nursing care of women and families along the childbearing continuum. Topics include reproductive health, promotion of health for pregnancy and birth, nursing management of complications, and newborn care.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 613L.

**NUR 613L Practicum for Childbearing and Reproductive Health 1**

Practicum for nursing care of women and families along the childbearing continuum. Topics include reproductive health, promotion of health for pregnancy and birth, nursing management of complications, and newborn care.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration.

**Corequisites:** NUR 613.

**NUR 614 Information Technology in Nursing Administration 3**

Prepares the student to apply principles and techniques of communication and computer technology in health care management settings.

**Prerequisites:** Enrolled in Nursing Leadership and Management concentration of the M.S.N. program or M.S.N./M.B.A. program or permission of instructor.

**NUR 615 Curriculum Design and Evaluation in Advanced Nursing Education 3**

An exploration of nursing curriculum development and program evaluation within a broad context.

**Prerequisites:** NUR 612.

**NUR 616 Pedagogical Strategies for Advanced Nursing Education 4**

Concepts of instructional design, media development and use, and technology in advanced nursing education. Pedagogical strategies for a variety of classroom and clinical settings.

**NUR 617 Nursing Leadership and Management 3**

Provides the student with a foundational knowledge of management and leadership skills using applications based on problem-solving, decision-making, and critical thinking. Core management concepts include planning, organizing, staffing, directing, and controlling. Other topics include legal and ethical decision making and advocacy.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 501, NUR 503, NUR 503L, NUR 504, NUR 504L, NUR 508, NUR 509, NUR 613, NUR 613L, NUR 614 (or their equivalent).

**NUR 618 Population Health Nursing 4**

Nursing care of populations and communities through collaborative actions across care settings.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 503, NUR 503L, NUR 504, NUR 504L, NUR 611, NUR 611L, NUR 613, NUR 613L (or their equivalent).

**Corequisites:** NUR 618L.

**NUR 618L Practicum for Population Health Nursing 1**

Practicum for nursing care of populations and communities through collaborative actions across care settings.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 503, NUR 503L, NUR 504, NUR 504L, NUR 611, NUR 611L, NUR 613, NUR 613L (or their equivalent).

**Corequisites:** NUR 618.

**NUR 619 Nursing Care of Individuals with Acute Physiological Problems 3**

Nursing care of individuals/families with acute physiological illness.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 510, NUR 510L, NUR 618, NUR 618L, NUR 705.

**Corequisites:** NUR 617, NUR 619L.

**NUR 619L Practicum for Nursing Care of Individuals with Acute Physiological Problems 2**

Practicum for nursing care of individuals/families with acute physiological illness.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 510, NUR 510L, NUR 618, NUR 618L, NUR 705.

**Corequisites:** NUR 617, NUR 619.

**NUR 620 Law, Policy, and Economics of Healthcare 3**

Law, health policy, and economics related to advanced nursing practice. Key topics include policy development, state and federal statutes, and economics affecting delivery of nursing and healthcare.

**NUR 621 Senior Capstone 4**

A concentrated 7 1/2-week practicum where students simulate the roles of the employed graduate under the guidance of a selected nursing preceptor and a faculty facilitator.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 503, NUR 503L, NUR 504, NUR 504L, NUR 510, NUR 510L, NUR 611, NUR 611L, NUR 613, NUR 613L, NUR 618, NUR 618L, NUR 705.

**Corequisites:** NUR 622.

**NUR 622 Synthesis of Nursing Concepts 2**

Cumulative integration of concepts learned throughout the curriculum. Emphasis placed on analysis of critical thinking skills and synthesis of clinical decision-making. Also includes preparation for NCLEX-RN.

**Prerequisites:** Admission to M.S.N. Prelicensure Entry-Level Concentration, NUR 510, NUR 510L, NUR 618, NUR 618L, NUR 705.

**Corequisites:** NUR 609, NUR 621.

**NUR 641 Leadership and Management Essentials in Healthcare: Theories and Roles 4**

Nursing management within the health care system. Management functions of planning, organizing and staffing studied within the framework of leadership in health care organizations.

**Prerequisites:** NUR 715.

**Corequisites:** NUR 715.

**NUR 644 Organizational Leadership and Management 4**

Management functions of directing and controlling are studied within the framework of leadership in health care organizations.

**Prerequisites:** NUR 540, NUR 614, NUR 641.

**Corequisites:** NUR 614.

**NUR 645 Strategic Management of Health Care Organizations 4**

Application of leadership and administration knowledge in a practice setting while defining self in a professional leadership role.

**Prerequisites:** NUR 644.

**NUR 646 Nursing Leadership and Management Practicum 4**

Application of advanced leadership and management knowledge in a practice setting while defining self in a professional leadership roles.

**Prerequisites:** NUR 645.

**NUR 651 Advanced Application of Nursing Concepts in Client Care (in clinical focus area) 4**

Development of advanced clinical nursing interventions that influence health care outcomes for individuals, populations, or systems. Practicum emphasizes preparation for the direct care role of nurse educator.

**Prerequisites:** NUR 616, NUR 708, NUR 709, NUR 713.

**NUR 653 Advanced Application of Nursing Concepts in Academic Education (in clinical focus area) 3**

Development of competencies in preparation for academic educator roles. Seminars, conferences, and practica emphasize nursing education in academic settings.

**Prerequisites:** NUR 615 and NUR 651.

**NUR 692 Independent Study 1-3**

Guided readings, research, and individual project work under the direction of the School of Nursing faculty.

**Notes:** May be used as part of minimum 36 hours required for the MSN degree. May be repeated for a maximum of 6 hours credit.

**NUR 696 Capstone Course for Advanced Nursing Education Practice 2**

Critical analysis and synthesis of progress and achievement towards attainment of advanced nursing competencies for the M.S.N. degree.

**Prerequisites:** NUR 612, NUR 651, NUR 715.

**Corequisites:** NUR 653.

**NUR 698 Advanced Nursing Project 1-6**

Scholarly inquiry project developed by the student with faculty guidance.

**Prerequisites:** NUR 705.

**Notes:** May be repeated for a maximum of 6 hours credit. Grading method is Satisfactory/Unsatisfactory (S/U).

**NUR 699 Thesis 1-6**

Individual guidance and direction in research to address a clinical or nonclinical problem.

**Prerequisites:** NUR 705.

**Notes:** May be repeated for a maximum of 6 hours credit. Grading method is Satisfactory/Unsatisfactory (S/U).

**NUR 701 Statistical Applications for Nursing Research 3**

Applied descriptive and inferential statistics for nursing and health care research. Principles of hypothesis testing, inference, estimation, correlation, regression, and analysis of variance. Emphasis on selection of analysis and interpretation of results.

**Prerequisites:** Admission to Ph.D. in Nursing and completion of a course in inferential statistics or permission of instructor.

**NUR 702 Statistical Applications for Nursing Research II 3**

Advanced statistics for nursing and health care research, including general linear model, multifactorial ANOVA, multiple regression. Emphasis on selection and conduct of analysis and interpretation of results.

**Prerequisites:** NUR 701 or permission of instructor.

**NUR 703 Qualitative Methods for Nursing 3**

Philosophy, theory, and methods of qualitative research with an emphasis on the application to nursing and health research.

**Prerequisites:** NUR 702 and NUR 712 or permission of instructor.

**NUR 704 Quantitative Research in Nursing 3**

Theoretical foundations, design, and techniques of quantitative research for nursing and health care.

**Prerequisites:** NUR 702 and NUR 712, or permission of instructor.

**NUR 705 Research and Evidence Based Practice 3**

Covers basic principles of nursing research and scholarship, with emphasis on interpretation, evaluation, synthesis, and application of knowledge for advanced nursing practice.

**NUR 707 Measurement in Nursing and Healthcare Research 3**

Measurement of biophysical, psychomotor, cognitive, affective, and system-level phenomena for nursing and health research. Reliability, validity, item analysis, norms, selection and development of measures.

**Prerequisites:** NUR 704 or permission of instructor.

**NUR 708 Pathophysiology for Advanced Practice Nursing 3**

Examination of physiological changes, common pathophysiological and compensatory mechanisms of diseases across the lifespan.

**NUR 709 Pharmacotherapeutics for Advanced Practice Nursing 3**

Advanced principles of pharmacotherapeutics of broad categories of pharmacologic agents used across the lifespan, including discussion of advanced nursing roles in prescription practices.

**NUR 709S Pharmacology Seminar for Adult/Gerontological Nurse Practitioners 1**

Application of clinical pharmacology knowledge and skills to ensure safe prescribing practices for adult-gerontology nurse practitioners.

**Prerequisites:** NUR 708, NUR 713, NUR 713L.

**Corequisites:** NUR 709, NUR 811.

**NUR 710 Philosophy of Knowledge Development in Nursing 3**

Philosophy, inquiry, and the development of knowledge within the discipline.

**Prerequisites:** Admission to Ph.D. in Nursing.

**NUR 712 Theory Analysis in Nursing Science 3**

The nature of theory and strategies for theory development within the discipline of nursing. Analysis and evaluation of theory related to phenomena of interest.

**Prerequisites:** NUR 710.

**NUR 713 Advanced Health Assessment and Diagnostic Reasoning 3**

Builds upon prerequisite assessment skills and presents the advanced principles of health assessment. Methodologies of data gathering, data analysis and theoretical integration of health assessment are emphasized.

**Prerequisites:** Baccalaureate-level health assessment course or the equivalent.

**Corequisites:** NUR 713L.

**NUR 713L Advanced Health Assessment and Diagnostic Reasoning Skills Lab 1**

Application of advanced health assessment and diagnostic reasoning skills using laboratory exercises.

**Corequisites:** NUR 713.

**NUR 714 Informatics in Healthcare 3**

This course is focused on information systems, application of informatics in patient care, and data management to promote quality and safety in healthcare.

**Prerequisites:** Admission to MSN or DNP program, or permission of instructor.

**NUR 715 Research Methods in Nursing 3**

Examines the basic concepts, strategies, and procedures used in conducting and analyzing nursing research. Emphasis will be on proposal development and quantitative and qualitative analysis of data.

**Prerequisites:** An undergraduate statistics course (preferred within past 5 years).

**NUR 716 Management of Child Health in Primary Care 4**

Focuses on the assessment, diagnosis, and management of pediatric conditions and preventative care from birth through middle childhood encountered in primary care.

**Prerequisites:** NUR 708, NUR 709, NUR 713.

**NUR 717 Management of Common Gender Specific, Adult, and Adolescent Health Conditions 4**

Explores gender-specific health care needs of adolescents and adults encountered in primary care including gender expression, fluidity, and development. Preventative care, assessment, diagnosis, and management are explored.

**Prerequisites:** NUR 708, NUR 709 (prerequisite or corequisite), NUR 713.

**Corequisites:** NUR 709 (prerequisite or corequisite).

**NUR 718 Complex Problems In Family Primary Care 2**

Students will increase knowledge and decision-making skills in the primary care treatment across the lifespan of vulnerable and complex patients. Course includes laboratory interpretation.

**Prerequisites:** NUR 708, NUR 709, NUR 713.

**NUR 719L Family Primary Care Practicum 3**

Practicum focused on the application of scientific knowledge and clinical judgement in assessment, diagnosis, management of health conditions and wellness in primary care across the lifespan.

**Prerequisites:** NUR 708, NUR 709, NUR 713.

**NUR 727 Basic Principles of Nurse Anesthesia Practice 5**

General introduction to basics of nurse anesthesia practice, including safety, assessment, pharmacology, monitoring, charting, positioning, care plan development, sequencing, and as a foundation to more advanced anesthetic concepts and techniques.

**NUR 728 Physics and Mechanics of Anesthesia Delivery Systems 1**

This course focuses on the application of the physical laws of gas, the study of compressed gases for clinical use, and the physical and mechanical considerations of anesthesia delivery systems.

**Corequisites:** NUR 728L.

**NUR 728L Physics and Mechanics of Anesthesia Delivery Systems Laboratory 1**

This course focuses on the application of the physical laws of gas, the study of compressed gases for clinical use, and the physical and mechanical considerations of anesthesia delivery systems.

**Corequisites:** NUR 728.

**NUR 729 Health Assessment for Nurse Anesthesia 1**

This course emphasizes the principles of patient assessment for nurse anesthesia practice in the pre and perioperative periods.

**Corequisites:** NUR 729L.

**NUR 729L Health Assessment Laboratory for Nurse Anesthesia 1**

This laboratory course emphasizes the principles of patient assessment for nurse anesthesia practice in the pre and perioperative periods.

**Corequisites:** NUR 729.

**NUR 730 Neuropathophysiology of Nurse Anesthesia 3**

This course focuses on the anatomy, physiology, and pathophysiology of the central nervous system, and anesthesia nursing care related to persons with neurological dysfunction.

**Prerequisites:** Enrollment in the Nurse Anesthesia concentration of the DNP program.

**NUR 732 Advanced Principles of Nurse Anesthesia Practice 4**

This course focuses on the principles and theories of advanced nurse anesthesia practice necessary to effectively administer anesthesia for complex adult and pediatric patients.

**Prerequisites:** NUR 727, NUR 728, NUR 728L, NUR 729, NUR 729L, NUR 730.

**NUR 741 Nurse Scientists in Academia and Industry I 3**

Integration of the nurse scientist role into an academic and industry environment.

**Prerequisites:** NUR 704, NUR 712. Pr. or Coreq.: NUR 703, NUR 782.

**NUR 742 Nurse Scientists in Academia and Industry II 3**

Internship to apply the nurse scientist role in an academic or industry environment.

**Prerequisites:** NUR 741.

**NUR 751 Pharmacology of Nurse Anesthesia I 2**

Advanced knowledge of pharmacologic principles related to anesthetic medications.

**Prerequisites:** Admission to the Nurse Anesthesia concentration of the Doctor of Nursing Practice program.

**NUR 752 Biochemistry for Nurse Anesthesia 1**

Advanced knowledge of the biochemical basis and measurement of homeostasis and nursing interventions for fluid and electrolyte imbalance.

**Prerequisites:** NUR 756, NUR 757, NUR 773A.

**NUR 753 Cardiovascular Pathophysiology for Nurse Anesthesia 2**

This course focuses on the principles and theories of advanced nurse anesthesia practice necessary to effectively administer anesthesia to individuals with cardiovascular dysfunction.

**Prerequisites:** NUR 727, NUR 732.

**Corequisites:** NUR 754.

**NUR 754 Pharmacology of Nurse Anesthesia II 2**

This course focuses on advanced nurse anesthesia knowledge of the pharmacology of cardiovascular drugs.

**Prerequisites:** NUR 751.

**Corequisites:** NUR 714, NUR 753, NUR 772, NUR 898A.

**NUR 755 Cell Pathophysiology for Nurse Anesthesia 1**

Advanced knowledge of pathophysiology and anesthesia nursing care related to persons with cellular dysfunction.

**Prerequisites:** NUR 730.

**NUR 756 Respiratory Pathophysiology for Nurse Anesthesia 3**

This course focuses on the principles and theories of advanced nurse anesthesia practice necessary to effectively administer anesthesia to individuals with respiratory dysfunction.

**Prerequisites:** NUR 753, NUR 754, NUR 772.

**Corequisites:** NUR 757, NUR 773.

**NUR 757 Pharmacology of Nurse Anesthesia III 1**

This course focuses on advanced nurse anesthesia knowledge of local anesthetics, neuromuscular blocking drugs, and adjunct medications necessary to effectively administer anesthesia to a diverse population.

**Prerequisites:** NUR 753, NUR 754, NUR 772.

**Corequisites:** NUR 756, NUR 773.

**NUR 758 Pathophysiology of Abdominal Systems for Nurse Anesthesia 3**

Advanced knowledge of pathophysiology and anesthesia nursing care related to persons with hepatic, renal, and endocrine dysfunction.

**Prerequisites:** NUR 727, NUR 729, NUR 732.

**NUR 759 Pharmacology of Nurse Anesthesia IV 1**

This course focuses on the principles of advanced nurse anesthesia knowledge of antimicrobials, adjunct agents, and concurrent outpatient drug therapy necessary to effectively administer anesthesia to a diverse population.

**Prerequisites:** NUR 757.

**NUR 771A Clinical Practicum in Nurse Anesthesia I 6**

This course focuses on the delivery of basic nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 727, NUR 728, NUR 729, NUR 730.

**Corequisites:** NUR 732, NUR 751.

**NUR 771B Clinical Practicum in Nurse Anesthesia I 8**

This course focuses on the delivery of basic nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 771A.

**NUR 772 Clinical Practicum in Nurse Anesthesia II 6**

This course focuses on the delivery of advanced nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 771B.

**Corequisites:** NUR 753, NUR 754.

**NUR 773A Clinical Practicum in Nurse Anesthesia III 6**

This course focuses on the delivery of complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 772.

**Corequisites:** NUR 756, NUR 757.

**NUR 773B Clinical Practicum in Nurse Anesthesia III 7**

This course focuses on the delivery of advanced nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 773A.

**NUR 774 Clinical Practicum in Nurse Anesthesia IV 6**

This course focuses on the delivery of increasingly complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 773B.

**Corequisites:** NUR 759.

**NUR 775A Clinical Practicum in Nurse Anesthesia V 6**

This course focuses on the integration of basic, advanced, and complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 774.

**Corequisites:** NUR 758.

**Notes:** May not be repeated for credit.

**NUR 775B Clinical Practicum in Nurse Anesthesia V 6**

This course focuses on the integration of basic, advanced, and complex nurse anesthesia practice necessary to effectively administer anesthesia for a diverse patient population in a variety of institutional settings.

**Prerequisites:** NUR 775A.

**Corequisites:** NUR 797.

**NUR 780 Special Topics in Nursing Science 1-3**

In depth topics of special interest related to nursing and health sciences.

**Prerequisites:** Permission of instructor.

**NUR 781 Health Promotion Models and Interventions 3**

Current epidemiological, methodological, and theoretical approaches to health promotion across the lifespan. Intervention strategies are evaluated.

**Prerequisites:** NUR 702 and NUR 712, or permission of instructor.

**NUR 782 Health Disparities and Outcomes 3**

Critical analysis of health disparities and outcomes. Differences in access, use, cost, and quality of health care services; causes of health disparities; and strategies to eliminate disparities.

**Prerequisites:** NUR 781 or permission of instructor.

**Corequisites:** NUR 704.

**NUR 783 Advanced Health Policy and Ethics 3**

Advanced analysis and evaluation of domestic and international regulation, financing, and delivery of health care; ethical issues and stakeholders that influence policy; evaluation of policies for selected populations.

**Prerequisites:** NUR 782 or permission of instructor.

**NUR 789 Doctor of Nursing Practice Advanced Practicum 1-8**

Integrate evidence-based research, advanced scholarship, and translational research principles to the advanced practice setting in accomplishment of the practicum hours needed to accomplish the DNP Project.

**Prerequisites:** Admission to Post-Master's DNP Program.

**Notes:** May be repeated for credit up to 4 times to achieve required total credits for the program, 1000 post-baccalaureate advanced practicum hours, and complete the DNP project.

**NUR 790 Directed Research 3**

Directed research that culminates in a scholarly product.

**Prerequisites:** NUR 704 and prior approval of graduate faculty member who will supervise and evaluate the project.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**NUR 792 Independent Study 1-3**

**Prerequisite:** Permission of instructor, Director of Graduate Study and Dean of Graduate School;

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**NUR 797 Integrated Clinical Concepts 2**

This course focuses on the integration of all aspects of nurse anesthesia practice and preparation for the national certification examination given by the National Board on Certification and Recertification.

**Prerequisites:** NUR 732, NUR 752, NUR 753, NUR 755, NUR 756, NUR 758, NUR 759.

**Corequisites:** NUR 775B.

**NUR 799 Dissertation 1-12**

Individual direction for the completion of doctoral dissertation research.

**Prerequisites:** Satisfactory completion of written and oral comprehensive examinations and written permission of dissertation chair.

**NUR 801 Thesis Extension 1-3**

Thesis Extension.

**NUR 802 Dissertation Extension 1-3**

Dissertation Extension.

**Prerequisites:** Permission of instructor.

**NUR 803 Research Extension 1-3**

Research Extension.

**Prerequisites:** Permission of instructor.

**NUR 804 Advanced Research Methods 3**

Exposure to and experience with complex research methods that address emerging issues in nursing and health sciences knowledge. Course content addresses multiple areas of emerging and innovative research.

**Prerequisites:** NUR 702, NUR 703, NUR 704, NUR 707 or equivalents, or permission of instructor.

**NUR 810 Health Promotion, Disease Prevention, and Population Health 3**

Provides theoretical foundation and framework for examining population health, health equity, health promotion, disease prevention, and community-based interventions across the lifespan.

**NUR 811 Primary Care Management of the Adult I for Advanced Practice Nursing 4**

Management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

**Prerequisites:** NUR 708, NUR 713, NUR 713L, NUR 810.

**Corequisites:** NUR 709, NUR 709S, NUR 811L.

**NUR 811L Practicum for Primary Care Management of the Adult I for Advanced Practice Nursing 3**

First in a series of clinical courses. Practicum for management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

**Prerequisites:** NUR 708, NUR 713, NUR 713L, NUR 810.

**Corequisites:** NUR 709, NUR 709S, NUR 811.

**NUR 812 Primary Care Management of the Adult II for Advanced Practice Nursing 4**

Management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

**Prerequisites:** NUR 709, NUR 709S, NUR 811, NUR 811L.

**Corequisites:** NUR 812L.

**NUR 812L Practicum for Primary Care Management of the Adult II for Advanced Practice Nursing 3**

Practicum for management of acute and chronic illness with emphasis on disease prevention and health promotion among young adults, adults, and older adults.

**Prerequisites:** NUR 709, NUR 709S, NUR 811, NUR 811L.

**Corequisites:** NUR 812.

**NUR 813 Primary Care Management of the Older Adult and Frail Elder 4**

The management of older adults and frail elders by the Adult Gerontological Nurse Practitioner in primary care.

**Prerequisites:** NUR 709, NUR 709S, NUR 811, NUR 811L.

**Corequisites:** NUR 813L.

**NUR 813L Practicum for Primary Care Management of the Older Adult and Frail Elder 3**

Practicum for management of older adults and frail elders by the Adult Gerontological Nurse Practitioner in primary care.

**Prerequisites:** NUR 709, NUR 709S, NUR 811, NUR 811L.

**Corequisites:** NUR 813.

**NUR 814 Integrated Clinical Management I for the Advanced Practice Nurse in Primary Care 2**

Emphasis is integration of adult patient management with leadership, use of data, and interprofessional collaboration in promotion of healthy lifestyles; evaluation and management of acute and chronic health problems.

**Prerequisites:** NUR 812, NUR 812L, NUR 813, NUR 813L.

**Corequisites:** NUR 814L.

**NUR 814L Integrated Clinical Practicum in Primary Care I for the Advanced Practice Nurse 3**

Practicum for integration of adult patient management with leadership, use of data, and interprofessional collaboration in promotion of healthy lifestyles; evaluation, and management of acute and chronic health problems.

**Prerequisites:** NUR 812, NUR 812L, NUR 813, NUR 813L.

**Corequisites:** NUR 814.

**NUR 815 Advanced Concepts for Professional Communication in Primary Health Care 2**

Complex simulations providing practice in skills necessary for professional communication, critical decision making, and collaboration for advanced practice nursing in primary health care.

**Prerequisites:** NUR 812, NUR 812L, NUR 813, NUR 813L.

**Corequisites:** NUR 815L.

**NUR 815L Advanced Procedures in Primary Care 1**

Complex simulations providing advanced skills in primary care procedures.

**Prerequisites:** NUR 812, NUR 812L, NUR 813, NUR 813L.

**Corequisites:** NUR 815.

**NUR 816 Integrated Clinical Management II for the Advanced Practice Nurse in Primary Care 6**

Advanced primary care practicum emphasizing the ability to manage acute and chronic complex health conditions of adults demonstrating advanced critical decision making skills and integration of DNP essentials into advanced practice.

**Prerequisites:** NUR 814, NUR 815.

**NUR 817 Role Transition for Advanced Nursing Practice 2**

Designed to prepare the prospective nurse practitioner (NP) for various roles and responsibilities as a NP.

**NUR 818 Biostatistics and Epidemiology Principles for Advanced Practice Nursing 3**

Application of biostatistics and epidemiology for clinical decision making in advanced practice nursing. Focus on application to populations and clients across the lifespan and to settings of care.

**Prerequisites:** Admission to D.N.P. program or permission of faculty, undergraduate statistics course.

**NUR 819 Effective Leadership for Practice 3**

Principles and theories of leadership to effectively practice in complex systems, organizations, and processes.

**Prerequisites:** Admission to DNP Program.

**NUR 820 Seminar for Nurse Anesthesia Advanced Practice 1**

This seminar course focuses on the analysis of professional issues affecting anesthesia nursing practice.

**Prerequisites:** Pre- or Co-requisite NUR 620.

**NUR 824 Theoretical Foundation for Advanced Nursing Practice 3**

Theoretical foundation for the practice of advanced professional nursing, gaining an understanding of the application of various theories toward improved clinical outcomes.

**NUR 825 Analysis and Application of DNP Essentials: Clinical Scholarship and Analytical Methods for Evidence 1**

Analysis and integration of clinical scholarship and analytical methods for evidence-based practice applied to the role of the D.N.P. in nursing practice.

**Prerequisites:** Admission to the post master's D.N.P. program.

**NUR 826 Analysis and Application of DNP Essentials: Health Care Policy for Advocacy in Health Care; and Inte 3**

Analysis and integration of health care policy for advocacy in health care and interprofessional collaborations for improving outcomes applied to the roles of the D.N.P. in nursing practice.

**Prerequisites:** Admission to the post master's D.N.P. program.

**NUR 827 Analysis and Application of DNP Essentials: Organizational and Systems Leadership, Information Syste 3**

Analysis and integration of organizational systems leadership, information systems and technology, and clinical prevention and population health applied to the role of the D.N.P. in nursing practice.

**Prerequisites:** Admission to the post master's D.N.P. program.

**NUR 890A Scholarly Seminar I: Project Development 2**

First of a three-course sequence aimed at developing, planning, and learning the concept to initiate a scholarly project.

**Prerequisites:** NUR 705, NUR 818.

**NUR 890B Scholarly Seminar II: Project Implementation 2**

Second of a three-course sequence. Students will implement their Doctor of Nursing Practice (D.N.P.) project. Culminates in the completion of the project in a practice setting.

**Prerequisites:** NUR 890A.

**NUR 890C Scholarly Seminar III: Evaluation, Conclusion, and Dissemination 2**

Third of a three-course sequence aimed at analyzing and synthesizing the findings of students' D.N.P. project and scholarly dissemination.

**Prerequisites:** NUR 890B.

**NUR 898A Applied Evidence-Based Practice & Translational Methods Project I 1**

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

**Prerequisites:** NUR 705.

**NUR 898B Applied Evidence-Based Practice & Translational Methods****Project II 1**

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

**Prerequisites:** NUR 898A.

**NUR 898C Applied Evidence-Based Practice & Translational Methods****Project III 1**

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

**Prerequisites:** NUR 898B.

**NUR 898D Applied Evidence-Based Practice & Translational Methods****Project IV 1**

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

**Prerequisites:** NUR 898C.

**NUR 898E Applied Evidence-Based Practice & Translational Methods****Project V 2**

An applied evidence-based practice and translational methods project to be completed sequentially in a five-course series.

**Prerequisites:** NUR 898D.

## Nutrition (NTR)

**NTR 101 Find Your Way in Nutrition 1**

This course will promote cohesiveness among first year Nutrition students and Nutrition faculty, relay information regarding the multiple paths available to and job opportunities for Nutrition graduates, and orient students to and help familiarize them with the department.

**Notes:** Grade: Pass/Not Pass (P/NP).

**NTR 103 Introduction to Food Science 3**

Basic scientific principles of food preparation with emphasis upon the science of food, standards of selection, purchasing, preparation, storage, preservation, and sustainability.

**NTR 203 Basic Quantitative Principles in Food and Nutrition 1**

Basic quantitative principles of food production, food service operation, menu planning, food portioning, and menu costing developed through activities that stress adapting standard recipes, measurement conversions, developing basic culinary costing techniques, and use of nutrition-related calculations.

**Prerequisites:** Grade of C (2.0) or better in MAT 115. NUTR major or minor; Pr. or Coreq.: NTR 103.

**NTR 213 Introductory Nutrition 3**

Basic principles of human nutrition with emphasis on the nutrients and factors which affect their utilization in the human body.

**MAC:** MAC Health and Wellness

**NTR 282 Introduction to Dietetics 1**

An overview of dietetics profession that will cover scope of practice, code of ethics, resources for evidence based practice, professional organizations, career options, professional development, and professional trends.

**Prerequisites:** Nutrition major.

**NTR 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**NTR 302 Nutrition Education and Application Processes 3**

Study of communication of nutrition science through nutrition education, professional literature, and public media. Evaluation and use of professional and scientific literature in nutrition and food systems.

**Prerequisites:** Grade of C (2.0) or better in NTR 213 and ENG 101. Written permission required.

**NTR 309 Quantity Food Procurement and Production 3**

Procurement and production of quantity foods with an emphasis on menu planning, pre-preparation, service, sanitation, delivery systems, selection, use, and care of quantity-food equipment.

**Prerequisites:** Grade of C (2.0) or better in NTR 203. Written permission required;

**Corequisites:** NTR 309L.

**Notes:** Professional liability insurance required.

**NTR 309L Qty Food Procuremnt / Prod Lab 0****NTR 313 Nutrition Throughout the Life Cycle 3**

Principles of nutrition applied to meet the nutrient needs at different stages of the life cycle. Forces governing food availability, acceptability, nutritive quality and safety are stressed in the preparation of nutritional plans for individuals and groups.

**Prerequisites:** Grade of C (2.0) or better in NTR 213 or permission of instructor .

**NTR 400 Supervised Professional Experience 1-4**

Supervised professional experience in selected commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student.

**NTR 401 Special Problems in Nutrition 1-4**

Individual study. Conference hours to be arranged.

**NTR 403 Food Science and Technology 2**

Lecture covering experimental study of factors regulating the preparation of standard food products and review of current developments in food technology.

**Prerequisites:** Grade of C (2.0) or better in NTR 103, NTR 203, NTR 213, NTR 302. CHE 110 and CHE 101 or CHE 103 or CHE 111; Written permission required;

**Corequisites:** NTR 403L.

**NTR 403L Food Science and Technology Laboratory 1**

Laboratory covering experimental study of factors regulating the preparation of standard food products and review of current developments in food technology.

**Prerequisites:** Grade of C (2.0) or better in NTR 103, NTR 203, NTR 213, and NTR 302. CHE 110 and CHE 101, or CHE 103, or CHE 111;

**Corequisites:** NTR 403.

**Notes:** All types of foods will be prepared and taste tested for sensory evaluation throughout the course and student grades will be based on participation in this course requirement.

**NTR 413 Intermediate Nutrition 3**

Intermediate approach toward understanding energy metabolism with an emphasis on mechanisms that regulate fuel intake, storage and utilization during normal and altered states of energy demands.

**Prerequisites:** Grade of C (2.0) or better in NTR 213, BIO 111, BIO 277 or KIN 292, CHE 103, CHE 104.

**NTR 421 International Nutrition and Cultural Foods 3**

This course examines issues related to food insecurity and malnutrition in developing countries. Diet and food choices are explored in the context of culture, religion, and geographical conditions.

**Prerequisites:** NUTR major or minor. grade of C (2.0) or better in NTR 213 and NTR 313.

**NTR 423 Community Nutrition 3**

Current community nutrition trends with emphasis on community services, government projects, and grant proposal writing. Students will engage in community service work to gain experience with important community issues.

**Prerequisites:** NUTR major or minor, grade of C (2.0) or better in NTR 213, NTR 302, and NTR 313; or permission of instructor.

**NTR 426 Management Practices for Dietetics 3**

Management practices and administration within foodservice and clinical dietetics settings. Operational assessment, evaluation, and cost control related to foodservice systems in commercial and noncommercial settings.

**Prerequisites:** Grade of C (2.0) or better in NTR 309 .

**NTR 427 Undergraduate Research 2-6**

Individual study.

**Prerequisites:** GPA of 3.0 in nutrition, biology, and chemistry courses, or permission of the instructor.

**Notes:** May be repeated for credit if topic changes.

**NTR 431 Nutrition and Human Metabolism 4**

Structure, function, and metabolism of nutrients and related compounds; integration of nutrient metabolism at the cellular level with total body function; practical application of basic principles of nutrient metabolism.

**Prerequisites:** Minimum grade of C in BIO 277 or KIN 292, NTR 413, and CHE 103 (or CHE 111). CHE 104 (or CHE 114); CHE 110 (or CHE 112); CHE 205 (or CHE 351 and CHE 352); CHE 206 (or CHE 354); or their equivalents as determined by the instructor.

**NTR 450 Nutrition Assessment 3**

Assessment of nutritional status of healthy and ill persons before initiation of medical nutrition therapy.

**Prerequisites:** Grade of C (2.0) or better in BIO 277 or KIN 292. completion of NTR 213, NTR 313, and NTR 413.

**NTR 453 Child and Adolescent Nutrition 3**

Nutritional needs of children and adolescents; methods of evaluating nutritional status of these groups; effects of nutrition on development.

**Prerequisites:** Grade of C (2.0) or better in NTR 213 or equivalent, and BIO 277 or equivalent.

**NTR 460 Advanced Nutrition 4**

Biochemical and physiological aspects of nutrient metabolism and utilization. Nutrient metabolism, flux, and requirements during the lifecycle and during fed/fasted states will be discussed, with emphasis on mechanisms that regulate these processes.

**Prerequisites:** Grade of C or better in NTR 313, NTR 413, NTR 431, and BIO 277 or KIN 292, or equivalents as determined by the instructor.

**NTR 473 Medical Nutrition Therapy 4**

Clinical aspects of nutrition. Development and use of therapeutic diets to combat nutritional diseases and physiological disorders.

**Prerequisites:** Grade of C or better in NTR 313, NTR 413, NTR 431, NTR 450, NTR 460, and BIO 277 or KIN 292.

**NTR 473L Medical Nutrition Therapy Lab 0****NTR 474 Medical Nutrition Therapy 1 4**

Part 1 of 2-semester course sequence. Course focuses on applying Nutrition Care Process to determine weight-inclusive medical nutrition therapy for patients/clients experiencing physiological stress or disease using evidence-based guidelines.

**Prerequisites:** NTR 413, NTR 431, BIO 277.

**Corequisites:** NTR 460.

**NTR 475 Medical Nutrition Therapy 2 4**

Part 2 of a 2-semester course sequence. Course focuses on applying Nutrition Care Process and evidence-based guidelines to treat clients experiencing physiological stress or disease using weight-inclusive medical nutrition therapy.

**Prerequisites:** NTR 413, NTR 431, NTR 474, BIO 277.

**NTR 476 Sports Nutrition 3**

Application of sports nutrition recommendations among athletes. Principles of diet planning and goal setting for optimizing training and athletic performance. Common and current nutrition-related topics in sports nutrition.

**Prerequisites:** Grade of C (2.0) or better in BIO 277, CHE 103, CHE 104, CHE 110 or CHE 111, CHE 112, CHE 114, CHE 115. and NTR 413 or equivalent required; instructor permission.

**NTR 482 Professionalism in Dietetics 1**

Capstone course in dietetics covering professional practice guidelines, public policy, healthcare systems and/or policies, reimbursement, and a review of the five subject areas of the Academy of Nutrition and Dietetics and registration exam.

**Prerequisites:** Minimum grade of C in BIO 277 or KIN 292, NTR 282, NTR 313, NTR 413, NTR 431, and NTR 450.

**Corequisites:** NTR 460.

**NTR 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**NTR 500 Supervised Professional Experience 1-4**

Supervised professional experience in selected commercial or industrial organizations, public or private agencies in accordance with the major course of study of the student.

**NTR 531 Nutrition and Human Metabolism 4**

Structure, function, and metabolism of nutrients and related compounds; integration of nutrient metabolism at the cellular level with total body function; practical application of basic principles of nutrient metabolism.

**NTR 553 Child and Adolescent Nutrition 3**

Nutritional needs of children and adolescents; methods of evaluating nutritional status of these groups; effects of nutrition on development.

**NTR 560 Advanced Nutrition 4**

Biochemical and physiological aspects of nutrient metabolism and utilization. Nutrient metabolism, flux, and requirements during the lifecycle and during fed/fasted states will be discussed, with emphasis on mechanisms that regulate these processes.

**Prerequisites:** Grade of C or better in NTR 531 or equivalent as determined by the instructor.

**NTR 573 Medical Nutrition Therapy 4**

Clinical aspects of nutrition. Development and use of therapeutic diets to combat nutritional diseases and physiological disorders.

**Prerequisites:** Grade of C or better in NTR 531, NTR 550, and NTR 560.

**Corequisites:** NTR 573L.

**NTR 573L Medical Nutrition Therapy Lab 0****NTR 601 Directed Study in Nutrition 1-6**

Prerequisite: Permission of graduate faculty member;

**Notes:** May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

**NTR 602 Supervised Preparation for Professional and Community Engagement 3**

Preparation for clinical supervised practice experiences in dietetics; helping relationships skills, human resource management, marketing strategies for revenue generating services in dietetics, appropriate professional conduct in patient care.

**Prerequisites:** Admission into the DI program or NTR 573 and NTR 560.

**NTR 606A Practicum in Clinical Dietetics 3-6**

For Dietetic Internship students only. Practical experience in the professional areas of dietetics: management, clinical, and community.

**Prerequisites:** Grade of B or better in NTR 693.

**Notes:** Required for Dietetic Internship students. Combination of credit not to exceed 9 credit hours.

**NTR 606B Practicum in Clinical Dietetics 3-6**

For Dietetic Internship students only. Practical experience in the professional areas of dietetics: management, clinical, and community.

**Prerequisites:** Grade of B or better in NTR 693.

**Notes:** Required for Dietetic Internship students. Combination of credit not to exceed 9 credit hours.

**NTR 606C Practicum in Clinical Dietetics 3-6**

For Dietetic Internship students only. Practical experience in the professional areas of dietetics: management, clinical, and community.

**Prerequisites:** Grade of B or better in NTR 693.

**Notes:** Required for Dietetic Internship students. Combination of credit not to exceed 9 credit hours.

**NTR 607 Nutrition Education 3**

Philosophy, principles, methods, and materials involved in nutrition education. Emphasis on development of nutrition education curriculum and programs in school and community.

**Prerequisites:** NTR 550 or equivalent or permission of instructor.

**NTR 609A Seminar in Nutrition 1**

Review, analysis and presentation of recent research findings and issues in food and nutrition.

**Notes:** May be repeated for credit when topic varies. Enrollment for two credits requires presentation of seminar; Grade: NTR 609A, 1 hour credit, graded Satisfactory/Unsatisfactory (S/U); NTR 609B, 2 hours credit, graded by letter grade.

**NTR 609B Seminar in Nutrition 2**

Review, analysis and presentation of recent research findings and issues in food and nutrition.

**Notes:** May be repeated for credit when topic varies. Enrollment for two credits requires presentation of seminar; Grade: NTR 609A, 1 hour credit, graded Satisfactory/Unsatisfactory (S/U); NTR 609B, 2 hours credit, graded by letter grade.

**NTR 623 Current Trends in Nutrition 3**

Emphasis on current trends in nutrition research/education from a molecular, cellular and/or human perspective.

**Prerequisites:** Senior or graduate level course in nutrition or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**NTR 624 Supervised Preparation for Culinary Medicine 3**

Practical experience to combine a comprehensive knowledge of nutrition and dietetics, culinary medicine, and the art of food and cooking to prepare satisfying and delicious meals that are consistent with real-world budgets, time constraints and better overall physical and mental health.

**Corequisites:** Must be enrolled in the Dietetic Internship, Post-Baccalaureate Certificate program.

**NTR 625 Gene Expression and Protein Metabolism 2**

Integration of cell biology and protein metabolism in relation to gene expression and regulation of enzyme activity in mammalian cells. Critical analysis of recent literature.

**Prerequisites:** Previous course in general nutrition, biochemistry and mammalian physiology and unconditional admission to the graduate program in Nutrition or other life sciences, or permission of instructor.

**NTR 626 Energy, Carbohydrate, Lipid Metabolism 2**

Analysis of energy intake and metabolism; carbohydrate and lipid absorption, transport, and tissue-specific utilization. Clinical applications. Critical analysis of recent literature.

**Prerequisites:** NTR 625, previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences. or permission of instructor.

**NTR 627 Antioxidants and Bioactive Food Components 2**

Metabolism and function of selected bioactive food components, such as flavonoids, stanols, and sterols, anthocyanins, carotenoids, polyphenolics, indole-3-carbinol. Clinical applications. Critical analysis of recent literature.

**Prerequisites:** NTR 625, previous course in general nutrition, biochemistry, and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences. or permission of instructor.

**NTR 628 Vitamins and Minerals 2**

Metabolism functions of selected vitamins. Regulation of selected trace metals emphasizing nutrient-gene interactions. Clinical applications. Critical analysis of recent literature.

**Prerequisites:** NTR 625, previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences. or permission of instructor.

**NTR 645 Teaching Practicum in Nutrition 3**

Provides a supervised, structured learning experience in teaching for graduate students in the Department of Nutrition. Professors provide guidance for graduate students during the experience.

**Prerequisites:** Admission to the graduate program in nutrition or permission of instructor.

**NTR 653 Problems in Food and Nutrition 2-4**

Individual student problems related to food and nutrition.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

**NTR 670 Research Skill Development 2-6**

Notes: May be repeated for credit; Grade: Satisfactory/Unsatisfactory (S/U).

**NTR 673 Nutrition Research Methodology 3**

Diverse research techniques used in cellular, small animal, and human experimental studies in nutritional sciences. Orientation to research methodologies, grant proposal writing, ethical use of human (IRB) and animal (IACUC) models, and policy in nutrition.

**Prerequisites:** NTR 531 or equivalent as determined by the department.

**NTR 674 Medical Nutrition Therapy 1 4**

Part 1 of 2-semester course sequence. Course focuses on applying Nutrition Care Process to determine weight-inclusive medical nutrition therapy for patients/clients experiencing physiological stress or disease using evidence-based guidelines.

**NTR 675 Medical Nutrition Therapy 2 4**

Part 2 of a 2-semester course sequence. Course focuses on applying Nutrition Care Process and evidence-based guidelines to treat clients experiencing physiological stress or disease using weight-inclusive medical nutrition therapy.

**Prerequisites:** NTR 674.

**NTR 676 Nutrition and Physical Performance 3**

Effects of nutrition on physical performance, alterations in nutrient metabolism from increased activity, interaction of diet and exercise on aging and disease processes, training and competition diets examined.

**Prerequisites:** Course work in biochemistry and physiology required, 531, 560, or equivalent courses, BIO 277.

**NTR 693 Supervised Preparation for Practicum in Clinical Dietetics 3**

Development of nutritional therapies for certain disease conditions.

Evaluation of the physiological and biochemical bases for such therapies.

**Prerequisites:** Admission to DI program or NTR 573 and permission of instructor.

**NTR 699 Thesis 1-6**

**Notes:** Required of all candidates for the Master of Science degree; Credit may be divided over two or more semesters; Grade: Satisfactory/Unsatisfactory (S/U).

**NTR 701 Directed Study in Nutrition 1-6**

**Prerequisite:** Permission of graduate faculty member;

**Notes:** May be repeated for credit, grading method is Satisfactory/Unsatisfactory (S/U).

**NTR 707 Nutrition Education 3**

Philosophy, principles, methods, and materials involved in nutrition education. Emphasis on development of nutrition education curriculum and programs in school and community.

**Prerequisites:** NTR 550 or equivalent or permission of instructor.

**NTR 709A Seminar in Nutrition 1**

Review, analysis and presentation of recent research findings and issues in food and nutrition.

**Notes:** May be repeated for credit when topic varies. Enrollment for two credits requires presentation of seminar. NTR 709A, 1 hour credit, graded Satisfactory/Unsatisfactory (S/U). NTR 709B, 2 hours credit, graded by letter grade.

**NTR 709B Seminar in Nutrition 2**

Review, analysis and presentation of recent research findings and issues in food and nutrition.

**Notes:** May be repeated for credit when topic varies. Enrollment for two credits requires presentation of seminar. NTR 709A, 1 hour credit, graded Satisfactory/Unsatisfactory (S/U). NTR 709B, 2 hours credit, graded by letter grade.

**NTR 723 Current Trends in Nutrition 3**

Emphasis on current trends in nutrition research/education from a molecular, cellular and/or human perspective.

**Prerequisites:** Senior or graduate level course in nutrition or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**NTR 724 Supervised Preparation for Culinary Medicine 3**

Practical experience to combine a comprehensive knowledge of nutrition and dietetics, culinary medicine, and the art of food and cooking to prepare satisfying and delicious meals that are consistent with real-world budgets, time constraints and better overall physical and mental health.

**Corequisites:** Must be enrolled in the Dietetic Internship, Post-Baccalaureate Certificate program.

**NTR 725 Gene Expression and Protein Metabolism 2**

Integration of cell biology and protein metabolism in relation to gene expression and regulation of enzyme activity in mammalian cells. Critical analysis of recent literature.

**Prerequisites:** Previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences or permission of instructor.

**NTR 726 Energy, Carbohydrate, Lipid Metabolism 2**

Analysis of energy intake and metabolism; carbohydrate and lipid absorption, transport, and tissue-specific utilization. Clinical applications. Critical analysis of recent literature.

**Prerequisites:** NTR 725, previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences or permission of instructor.

**NTR 727 Antioxidants and Bioactive Food Components 2**

Metabolism and function of selected bioactive food components, such as flavonoids, stanols, and sterols, anthocyanins, carotenoids, polyphenolics, indole-3-carbinol. Clinical applications. Critical analysis of recent literature.

**Prerequisites:** NTR 725, previous course in general nutrition, biochemistry, and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences or permission of instructor.

**NTR 728 Vitamins and Minerals 2**

Metabolism functions of selected vitamins. Regulation of selected trace metals emphasizing nutrient-gene interactions. Clinical applications. Critical analysis of recent literature.

**Prerequisites:** NTR 725, previous course in general nutrition, biochemistry and mammalian physiology, and unconditional admission to the graduate program in Nutrition or other life sciences or permission of instructor.

**NTR 745 Teaching Practicum in Nutrition 3**

Provides a supervised, structured learning experience in teaching for graduate students in the Department of Nutrition. Professors provide guidance for graduate students during the experience.

**Prerequisites:** Admission to the graduate program in Nutrition or permission of instructor.

**NTR 753 Problems in Food and Nutrition 2-4**

Individual student problems related to food and nutrition.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit, grading method is Satisfactory/Unsatisfactory (S/U).

**NTR 767 Nutrition and Physical Performance 3**

Effects of nutrition on physical performance, alterations in nutrient metabolism from increased activity, interaction of diet and exercise on aging and disease processes, training and competition diets examined.

**Prerequisites:** Course work in biochemistry and physiology required, 531, 560, or equivalent courses, BIO 277.

**NTR 770 Research Skill Development 2-6**

**Notes:** May be repeated for credit, grading method is Satisfactory/Unsatisfactory (S/U).

**NTR 773 Nutrition Research Methodology 3**

Diverse research techniques used in cellular, small animal, and human experimental studies in nutritional sciences. Orientation to research methodologies, grant proposal writing, ethical use of human (IRB) and animal (IACUC) models, and policy in nutrition.

**Prerequisites:** NTR 531 or equivalent as determined by the department.

**NTR 774 Medical Nutrition Therapy 1 4**

Part 1 of 2-semester course sequence. Course focuses on applying Nutrition Care Process to determine weight-inclusive medical nutrition therapy for patients/clients experiencing physiological stress or disease using evidence-based guidelines.

**NTR 775 Medical Nutrition Therapy 2 4**

Part 2 of a 2-semester course sequence. Course focuses on applying Nutrition Care Process and evidence-based guidelines to treat clients experiencing physiological stress or disease using weight-inclusive medical nutrition therapy.

**Prerequisites:** NTR 774.

**NTR 776 Nutrition and Physical Performance 3**

Effects of nutrition on physical performance, alterations in nutrient metabolism from increased activity, interaction of diet and exercise on aging and disease processes, training and competition diets examined.

**Prerequisites:** Course work in biochemistry and physiology required, 531, 560, or equivalent courses, BIO 277.

**NTR 790 Doctoral Research 1-6**

Individual work on problems related to student's primary area(s) of specialization. Empirical research or critical reviews and integrations of literature.

**Prerequisites:** Approval of graduate faculty member.

**Notes:** May be repeated for credit. Grade: Satisfactory/Unsatisfactory (S/U).

**NTR 799 Dissertation Problem 1-12**

Prerequisite: Completion of oral and written comprehensive examinations;

**Notes:** Required of all candidates for the Doctor of Philosophy degree. May be repeated for credit; Grade: Satisfactory/Unsatisfactory (S/U).

**NTR 801 Thesis Extension 1-3**

Thesis Extension.

**NTR 802 Dissertation Extension 1-3**

Dissertation Extension.

**NTR 803 Research Extension 1-3****Online NC Interinstitutional (ONC)****ONC 101 Online NC Interinstitutional 0.5-12****Peace and Conflict Studies (PCS)****PCS 112 Introduction to Peace and Conflict Studies 3**

Explore sources of conflict, war, social oppression, and violence and the challenges of promoting peace and justice. Examine the strategies for introducing equitable and nonviolent methods for conflict transformation.

**MAC:** MAC CritThink Soc and BehavSci

**PCS 205 Violence in the Modern World 3**

Designed to provide a cross-disciplinary examination of violence and peace. Students will be engaged in an exploration of world issues and their impact at the local level.

**MAC:** MAC Global and Intercultural

**PCS 215 Conflict Transformation 3**

Examine the theory, practice, and narrative of conflict transformation. Transformative models, locally and globally, are explored and, the process of ending destructive action and promoting constructive change are engaged.

**MAC:** MAC Written Communication

**PCS 218 Managing Conflict in Professional Contexts 3**

Through the study and application of multiple theories, principles, and skills, students will learn about methods and processes for managing conflict in professional contexts.

**MAC:** MAC Oral Communication

**PCS 305 Foundations of Peace and Conflict Studies 3**

This course surveys the basic practical and theoretical foundations of peace and conflict transformation. The basic theories of conflict transformation provide a framework for understanding the dynamics of practice.

**PCS 308 Working through Interpersonal Conflicts 3**

Explores the causes of interpersonal and inter-group tensions and the techniques (micro-level processes) to address them effectively whether in the workplace, community, or at home.

**PCS 309 Conflict and Culture 3**

Critical multiculturalism provides the framework for exploring multiple dimensions of diversity and its impact on creating and transforming conflicts. The impact of cultural interactions is a core focus.

**PCS 311 Conflict Research 3**

This course is an introduction to qualitative, quantitative and mixed method research from social, organizational and conflict perspectives. Emphasis is placed on research design, question formulation, sampling, recruiting, data analysis and practical research activity.

**Prerequisites:** PCS 305.

**PCS 312 Conflict Systems and Analysis 3**

This course examines the practical and theoretical approaches to evaluating and remediating organizational conflict. Organizational analysis techniques and internal dispute resolution systems are explored.

**PCS 405 Localizing Peace 3**

This course will investigate local peace-building and sustainable development within diverse political, cultural and economic contexts. It explores models for collective action toward non-violent conflict and positive peace.

**PCS 406 Environmental Justice: Interdisciplinary Response for Sustainability 3**

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

**Notes:** Same as SWK 405.

**PCS 415 Global Peacebuilding 3**

This course explores the complexity of engaging local and global peace and conflict practice (macro-level process) that enhances the building and nurturing of civic society in the 21st century.

**PCS 416 Practicum I 4**

Through a directed learning experience in a practicum setting, students engage with communities through entry level practices and engaged inquiry experiences reflecting on the field of Peace and Conflict Studies.

**Prerequisites:** PCST major. Junior or senior standing;

**Corequisites:** PCS 305, PCS 308, PCS 309.

**PCS 417 Practicum II 3**

Emphasis is placed upon extended application and evaluation in the practice or research environment. Continues critical review and analysis of setting for engagement.

**Prerequisites:** PCS 416. PCST major; senior standing;

**Corequisites:** PCS 415.

**PCS 418 Peacebuilding Challenges in a Complex World 3**

Introduction to the interdisciplinary theory, research, and intervention strategies used in peacebuilding operations.

**PCS 420 Senior Seminar 3**

Final capstone course in which students integrate theory, models of practice and research/evaluation through a community based project documented with an electronic portfolio for presentation.

**Prerequisites:** PCS 305, PCS 308, PCS 309. PCST major; senior standing.

**PCS 430 The Power of Nonviolence for Social Change 3**

Nonviolent protest has an important role to play in the 21st century for achieving justice, assuring human rights, and removing repressive regimes. The course considers the theory and practice of successful nonviolent movements such as the Liberian women's peace movement, the Velvet Revolution, and the outing of Serbian dictator Milosevic.

**PCS 432 Conflict Transformation at the Food-Water Nexus 3**

Contemporary issues in food and water systems are examined using the lens of conflict transformation. Through this lens, we will analyze associated social and environmental conflicts, with an emphasis on dynamics of power and justice. Students will learn about transformative interventions associated with the conflicts we cover in class.

**PCS 433 Restorative Justice: Theory and Models 3**

Examines the principles and practices of restorative justice, evaluating the potentials and limitations of restorative methods and interventions in the US and internationally.

**Notes:** Same as SWK 433.

**PCS 434 Reconciliation, Spirituality, and Community in Peacebuilding 3**

Explores reconciliation and spiritual beliefs in community settings to address local and global conflicts. Includes discussion of both indigenous beliefs and global social, political, and environmental consciousness in healing.

**PCS 440 Social Entrepreneurship: Justice and a Green Environment 3**

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

**Prerequisites:** Upper-division undergraduate status.

**Notes:** Same as BUS 440, ENT 440, WGS 440.

**PCS 450 Independent Study in Peace and Conflict Studies 1-3**

Independent study opportunity for students to engage in an in-depth exploration of a topic of special interest within the context of Peace and Conflict Studies.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**PCS 456 Sports, Conflict, and Peacebuilding 3**

The role that sports play in reflecting political, religious, ethnoracial, and social class conflicts is explored. The possibilities for using sports to teach skills for peaceful transformation are examined.

**PCS 457 Ecocultures and Sustainable Communities 3**

Explore ecocultures as sustainable models of peacebuilding and as alternatives to the dominant approach to global development. Through a study of the four dimensions of regenerative sustainability, students will examine how ecocultures, including traditional communities and contemporary ecovillages, are designed to nurture healthy, resilient, and sustainable communities and ecosystems.

**PCS 460 Forced Migration Minor Seminar 3**

In this capstone course for the PCS Forced Migration and Refugee Resettlement Studies minor students will immerse themselves in refugee/migrant/asylum seeker support history, networks, and service-providers as well as engage in the work of promoting access and integration for refugees through community engaged learning, service, and research.

**Prerequisites:** PCS 309.

**PCS 467 Borders, Partitions, and Generative Othering Narratives 3**

Explores the use of borders/partitions by providing historical perspective on the dynamics of redrawing territorial space. Memories of these "sovereign" territorial displacements are interrogated to understand conflict systems.

**Corequisites:** PCS 305, PCS 309.

**PCS 479 Gender and Peacebuilding 3**

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

**Notes:** Same as SWK 479.

**PCS 540 Social Entrepreneurship: Justice and a Green Environment 3**

Interdisciplinary engagement of social entrepreneurship as model for change on an issue of environmental sustainability. Exploration of models that respond to social, economic, environmental, and justice issues.

**PCS 579 Gender and Peacebuilding 3**

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

**Notes:** Same as SWK 579.

**PCS 600 Transforming Conflict: Histories and Theories 3**

Introduction to the interdisciplinary theory, research conflict analysis and intervention strategies which form the foundation of peace and conflict studies.

**PCS 601 Indigenous Peace Practices 3**

Explores multiple dimensions of diversity in creating and resolving conflicts. Students will explore their own culture beliefs and values as well as diverse conflict models and systems around the world.

**PCS 605 Skills and Techniques of Conflict Management 3**

Theory and practice to develop a foundation of interpersonal skills and techniques needed by conflict professionals such as communication, negotiation, mediation, assessment, and presentation. Service learning project required.

**PCS 606 Organizational Conflict: Diagnostic and Intervention Tools 3**

Theories, methods, and practices in assessing and transforming conflict in modern organizations.

**Prerequisites:** PCS 600 and PCS 601 or permission of instructor.

**PCS 607 Conflict Analysis: Theories of Change 3**

Students are introduced to key conflict analysis concepts and models. Different analytic frameworks are used to assess international conflicts. Students participate simulation exercise.

**PCS 608 Topics in Peace and Conflict Studies 3**

Concepts such as peace, conflict, violence, war, international order, state actors, non-state actors, power, international law, international organization, terrorism, conflict management, political economy and peacebuilding, among others are examined based on particular contemporary conflict cases.

**Notes:** May be repeated for credit when topic varies.

**PCS 609 Community Engaged Research 3**

After exploration of qualitative, quantitative, mixed-method, and action research philosophy and methods. Teams of students design an action research proposal.

**Prerequisites:** PCS 607 or permission of instructor.

**PCS 610 Transitional Justice 3**

Explore nonviolent responses to conflict and violence that are oriented to the restoration of relationships damaged by crime, war, community, and workplace violence.

**PCS 611 Governance in Conflict Environments 3**

Introduction to key principles, functions, and institutions to develop enhanced governance in conflict environments worldwide. Exploration of concepts, contextual frameworks, and programs to provide assistance in conflict environments.

**PCS 612 Civil Military Integration in Conflict Management 3**

Exploration of the mission, roles, and responsibilities of civil-military interaction teams in their collaboration to assess, design, and implement interventions to stabilize conflict environments after violent encounters.

**PCS 613 Developing Civil-Military Partnerships in Conflict Environments 3**

Through contemporary case studies, this course examines how senior civilian and military leaders and their supporting organizations analyze conditions and identify challenges in civil military engagement in conflict environments.

**PCS 615 War and Peace in the Modern World 3**

War and morality are concerns within the theoretical framework of peace and conflict studies, providing the base for practice as viewed within an historical and cultural context.

**PCS 621 Critical Foundations of Peace and Conflict Studies 3**

A critical introduction to the histories, theories, research, analytic frameworks, and intervention strategies, which form the foundation of peace and conflict studies.

**PCS 622 Skills in Transformative Conflict 3**

Address intrapersonal, interpersonal, and group conflict. Learn to build positive peace through nonviolent communication, principled negotiation, mediation, conciliation, and group facilitation. Develop skills of collaborative decision-making and nonviolent conflict transformation.

**PCS 623 Community and Action Research 3**

Explore qualitative research methods, community-engaged research, and action research. Learn to collect, analyze, and interpret qualitative data. Develop fieldwork skills, design a research proposal, and conduct research using qualitative methods.

**PCS 624 Peace and Justice in a Changing Climate 3**

Explores justice as transformative, transnational, environmental, transitional, and restorative in nature; engages with issues of post-colonial/post-conflict development, reconciliation, and civil society-based peacebuilding as sustainable human endeavors.

**PCS 625 Conflict Resolution in Education: K-12 3**

Explores conflict resolution theory, practice, and programming in educational settings and community organizations. Peer, professional, and systemic conflicts will be examined.

**Prerequisites:** PCS 600 or permission of instructor.

**PCS 627 Seminar in Contemporary Issues in Peace and Conflict Studies 3**

An investigation of current Global North and Pan-Western peace and conflict models and their impact on human security and humanitarian assistance.

**PCS 630 The Power of Nonviolence for Social Change 3**

Introduces students to the theory and practice of nonviolence as a manner of social change and as a philosophy. Explores classic thinking on nonviolence by Gandhi and Martin Luther King, Jr. as well as current research on nonviolent social change.

**PCS 631 Crisis Management: Response and Resolution 3**

Overview of critical incident response, management and resolution in relation to individual, family, community, and organizational perspectives.

**PCS 632 Conflict Transformation at the Food-Water Nexus 3**

Contemporary issues at the nexus of food and water systems are examined using the lens of conflict transformation. Through this lens, we will analyze associated social and environmental conflicts, with an emphasis on dynamics of power and justice. Students will learn about transformative interventions associated with the conflicts we cover in class.

**PCS 633 Restorative Justice: Theory/Practice 3**

Examines the principles and practices of restorative justice, evaluating the potentials and limitations of restorative methods and interventions in the US and internationally.

**PCS 634 Reconciliation, Spirituality, and Community in Peacemaking 3**

Explores reconciliation and spiritual beliefs in community settings to address local and global conflicts. Includes discussion of both indigenous beliefs and global social, political, and environmental consciousness in healing.

**PCS 636 Environmental Justice: Interdisciplinary Response for Sustainability 3**

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

**PCS 647 Facilitation, Mediation, and Negotiation 3**

Engage with negotiation and mediation practices for transforming conflict. Build from negotiation and mediation theory to strategies and tactics. Learn and apply skills.

**Prerequisites:** None for certificate or master's students. permission of instructor for non-majors;

**Corequisites:** None for certificate or master's students. permission of instructor for non-majors.

**PCS 650 Independent Study 3**

Intensive study guided by the graduate faculty.

**Prerequisites:** Permission of instructor or the Program Director.

**PCS 656 Sports, Conflict, and Peacebuilding 3**

The role that sports play in reflecting political, religious, ethnoracial, and social class conflicts is explored. The possibilities for using sports to teach skills for peaceful transformation are examined.

**PCS 657 Ecocultures and Sustainable Communities 3**

Explores ecocultures as sustainable models of peacebuilding and as alternatives to the dominant approach to global development. Through a study of the four dimensions of regenerative sustainability, students will examine how ecocultures, including traditional communities and contemporary ecovillages, are designed to nurture healthy, resilient, and sustainable communities and ecosystems.

**PCS 665 Religion: Conflict and Confrontation 3**

Overview of conflict analysis and intervention strategies in religious communities and organizations. Analyze and implement models of reconciliation and forgiveness.

**PCS 667 Borders, Partitions, and Generative Othering Narratives 3**  
 Explores the use of borders/partitions by providing historical perspective on the dynamics of redrawing territorial space. Memories of these "sovereign" territorial displacements are interrogated to understand conflict systems.

**Corequisites:** PCS 600, PCS 601.

**PCS 676 Peace Development and Community Building 3**  
 Approaches to community and peacebuilding, with emphasis on understanding power and conflict, are taught within a global context. Strategies are developed for building peace and community through civic engagement.

**Prerequisites:** PCS 600 and PCS 601 or permission of instructor.

**PCS 677 International Human Rights Advocacy 3**  
 Course will explore international human rights norms, laws, theory and practice, with an emphasis on analytical and advocacy skills. Current debates in the field will be explored with implications for policy.

**PCS 679 Gender and Peacebuilding 3**  
 Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

**PCS 685 Resolving Conflict in Health Care Systems: Achieving Peace through Health 3**  
 Peace building and conflict resolution in health care and humanitarian initiatives; human rights and social justice perspective.

**PCS 690 Integrated Practicum: Professional Development Project 3**  
 Final capstone course in which students integrate theory, research, and practice skills through an integrative project. Research or field hours required.

**Prerequisites:** PCS 600, PCS 601, PCS 605, PCS 607 for Transformative Peace and Conflict Concentration or PCS 621, PCS 622, PCS 623, PCS 624 for Sustainable Peace and Justice Concentration.

**PCS 699 Thesis 3-6**

Thesis writing.

**Prerequisites:** Permission of instructor.

**Notes:** Required of all candidates in the Thesis Option in the Sustainable Peace and Justice Concentration of the M.A. in Peace and Conflict Studies. Credit may be taken over one to two semesters.

**PCS 803 Research Extension 1-3**

## Philosophy (PHI)

**PHI 111 Introduction to Philosophy 3**

Discussion of views and methods of major philosophers. Topics drawn from metaphysics and epistemology, such as the foundations and scope of human knowledge, personal identity, freedom and determinism, and the mind-body problem.

**MAC:** MAC CritThink Hum and Fine Art

**PHI 115 Critical Thinking 3**

Introduction to basic principles of reasoning and argumentation. Topics taken from syllogistic reasoning, probability, informal fallacies, the structural analysis of statements, and scientific methods.

**MAC:** MAC CritThink Hum and Fine Art

**PHI 119 Introduction to Ethics 3**

Fundamental questions of ethics, such as the nature of the distinction between good and evil, moral right and wrong, the foundation of moral judgments, relativism, absolutism, and subjectivism. Readings from major figures in the history of ethics.

**MAC:** MAC CritThink Hum and Fine Art

**PHI 121 Contemporary Moral Problems 3**

Philosophical readings and discussion of such current topics as abortion, euthanasia, capital punishment, censorship, sexual morality, affirmative action and preferential hiring, environmental ethics, population control, and the morality of war.

**MAC:** MAC CritThink Hum and Fine Art

**PHI 131 Science, Technology, & Society 3**

This course explores the relationship between science, technology, and society. Looking at historical and contemporary examples from the sciences, technology, arts, literature, and philosophy, we will discuss contemporary issues such as human enhancement, climate change, and artificial intelligence.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 132 Free Will 3**

A Foundations Course looking at different conceptions of free will and what implications these have for how we evaluate the morality of actions. Readings from historical and contemporary sources.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 133 Sex & Death 3**

This course deals with the moral status of behavior relating to sex and death, such as homosexuality, prostitution, surrogate pregnancy, abortion, war, capital punishment, and euthanasia. This course also provides foundational skills necessary for academic success at UNCG.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 134 Sports & Philosophy 3**

This course focuses on the metaphysical and moral status of sports, including discussion of cheating, performance enhancing drugs, politics and sports, and sports issues relating to gender. This course also provides foundational skills necessary for academic success at UNCG.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 135 God 3**

This course focuses on questions in the philosophy of religion relating to the existence of God, the possibility of evil, objective moral truth, divine attributes, and more. This course also provides foundational skills necessary for academic success at UNCG.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 136 School & Life 3**

This MAC Foundations course explores philosophical questions concerning the aims and nature of education. Students develop critical insight into how and why education is worth pursuing in light of their life projects and goals.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 137 Minds & Brains 3**

This course deals with philosophical questions concerning the human mind, its relation to the body, the brain, consciousness, what is sometimes called the "soul," etc. This course also provides foundational skills necessary for academic success at UNCG.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 138 Good & Evil 3**

This course focuses on fundamental moral issues, including objective and subjective morality, whether the means justifies the ends, and the moral status of ordinary forms of behavior that we typically take to be unobjectionable. This course also provides foundational skills necessary for academic success at UNCG.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PHI 141 What Makes a Life Good? 3**

This course is an introduction to philosophy through consideration of theories about what makes a life a good one, and the relation between one's own well-being and the well-being of others.

**MAC:** MAC Health and Wellness

**PHI 202 Arguing About ... 3**

This is a variable topic, debate-oriented course, with different themes in different semesters. Please contact the department, or see Banner, for information about a specific semester. Themes may include philosophical perspectives on: contemporary moral issues, ethical theory, topics in religion, political theory, the nature of free will, and so on.

**MAC:** MAC Oral Communication

**Prerequisites:** None.

**Notes:** May be repeated twice for credit when topic varies.

**PHI 220 Medical Ethics 3**

Moral problems in medicine including the patient's right to know, the confidentiality of doctor-patient communications, informed consent and experimentation with human subjects, abortion, euthanasia, socialized medicine, conflicts between medicine and religion, and genetic engineering.

**MAC:** MAC CritThink Hum and Fine Art

**PHI 221 Philosophical Concepts in Everyday Contexts 3**

This course introduces students to philosophical problems that touch our lives, engaging two basic branches of philosophy: theory of knowledge and study of the nature of reality. This course will also focus heavily on the development of clear writing skills.

**MAC:** MAC Written Communication

**CIC:** CIC College Writing

**PHI 222 Ethics in the Computer Age 3**

The course will survey select moral problems arising from computer technology in contemporary life, focusing on analysis of specific problems, stakeholders, and consequences, and the historical impact of computer technology.

**MAC:** MAC CritThink Hum and Fine Art

**PHI 224 Philosophy of Race and Gender 3**

This course provides historical background for understanding racial inequalities, focuses on the concepts of race and gender and how they are connected to racism and sexism, and explores the concept of intersectionality.

**MAC:** MAC Diversity and Equity

**Notes:** Same as WGS 224.

**PHI 225 Philosophy of Bodies 3**

This course deals with philosophical questions regarding the human body, especially the ways in which how a normal body is defined impacts how we think about health, wellness, and disability. We will also look at imaginative alternatives for defining the human body, its possibilities, and its boundaries.

**MAC:** MAC Health and Wellness

**PHI 261 Ethical Issues in Business 3**

Ethical theory and its application to business: economic justice, corporate responsibility, self-regulation and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** Students may not receive credit for both PHI 261 and PHI 262.

**PHI 262 Ethical Issues in Entrepreneurship 3**

Application of ethical theory to global entrepreneurship; including entrepreneur's role in ethical actions, economic justice, responsibility, self and government regulation, conflict of interest, investment policy, advertising, and environmental responsibility, and application to direct selling.

**MAC:** MAC CritThink Hum and Fine Art

**Notes:** May not receive credit for both PHI 261 and PHI 262. Same as ENT 262.

**PHI 267 Existentialism 3**

Introduction to the fundamental ideas of existentialism. Readings from Kierkegaard, Heidegger, Sartre.

**PHI 275 Philosophy of Aging 3**

Are "you" the same "you" across a lifespan? What do we owe the elderly and our future, older selves? What is a good old age? How can age and ability-related discrimination affect the experience of growing old? This course engages these questions from various philosophical, interdisciplinary and international perspectives.

**MAC:** MAC Diversity and Equity

**PHI 301 Topics in Philosophy 3**

Variable content.

**Notes:** May be repeated for credit when topic varies.

**PHI 310 Introduction to Formal Logic 3**

Validity, consistency, implication, and the formal analysis of language. Propositional logic and quantification theory.

**PHI 319 Knowledge, Truth, and Belief 3**

Discussion of concepts central to an understanding of the nature of human knowledge, such as truth, evidence, certainty, intuition, perception, the reasonableness of belief, and the reliability theory of justification.

**Prerequisites:** PHI 310.

**PHI 321 Ethical Theory 3**

Analysis of the meaning of moral concepts such as good, right, ought, duty, and of the nature of ethical argument. Attention to current theories in normative ethics.

**Prerequisites:** One course in Philosophy.

**PHI 322 Philosophy of the Arts 3**

Philosophical problems concerning description, interpretation, and evaluation of the visual, performing, and literary arts, discussed generally and in relation to specific works of art. Readings in philosophy and art theory.

**CIC:** CIC College Writing

**PHI 325 Introduction to the Philosophy of Science 3**

Concepts important to an understanding of the nature/goals of research in the natural sciences, such as observation, experiment, theory, law, and explanation. Philosophical problems about objectivity and conceptual change in science based on examples from the history of science. Nature of scientific knowledge.

**Notes:** One course in natural science recommended.

**PHI 331 Social and Political Philosophy 3**

Theories of the origin and justification of legal systems, our obligation to obey the law, justice, punishment, and related issues. Readings from classical and contemporary sources.

**PHI 335 Philosophy of Law 3**

Theories of the origin and justification of legal systems, our obligation to obey the law, justice, punishment, and related issues. Readings from classical and contemporary sources.

**PHI 336 Philosophy of Crime and Punishment 3**

Critical discussion of philosophical questions raised by criminal law, including the moral justification of punishment, the theoretical underpinnings of various criminal defenses, and the conceptual distinctions among types of crimes.

**PHI 338 Ethics and International Affairs 3**

Critical discussion of topics such as human rights, the morality of war and terrorism, international distributive justice, poverty and international aid, self-determination and secession, immigration policy, and global environmental issues.

**PHI 341 History of Ancient Philosophy 3**

Survey of Western philosophical thought in the ancient period from the pre-Socratics, Plato, Aristotle, the Sceptics, Stoics, Epicureans. Particular choices of texts and philosophical ideas may vary.

**CIC:** CIC College Writing

**PHI 342 History of Modern Philosophy 3**

Survey of Western philosophical thought in the seventeenth and eighteenth centuries, its historical background and its influences on subsequent intellectual developments. Reading from major figures of the period, such as Descartes, Hobbes, Locke, Hume, and Kant.

**CIC:** CIC College Writing

**PHI 348 Existentialism, Phenomenology, and Structuralism 3**

Recent philosophical movements in France and Germany. Application of structuralist models to the human sciences. Post-structuralist developments such as Deconstruction and Hermeneutics. Selections from such writers as Husserl, Levi-Strauss, Foucault, Lacan, Althusser, Derrida, Gadamer, and Ricoeur.

**PHI 351 Major Philosophers 3**

Systematic examination of the works of a major philosopher.

**PHI 355 Philosophy of Language 3**

Language is perhaps the single greatest ability that our species has. But how does it work? How do names refer to objects? How can mere words—like a declaration of war—change the world? We will attempt to answer these questions and others.

**PHI 357 Metaphysics 3**

Selected metaphysical issues such as personal identity and the immortality of the soul, freedom and determinism, the nature of space, time and substance, the problem of universals, forms of realism, and theory of reference.

**CIC:** CIC College Writing

**Prerequisites:** PHI 111 or PHI 341 or PHI 342.

**PHI 358 Philosophy of Mind 3**

The mind-body problem, identity theories, functionalism, reductive and eliminative materialism, behavioral and causal theories of mind.

**PHI 359 Philosophy of Religion 3**

Arguments concerning God's existence, the problem of evil, God's foreknowledge and human freedom, the analysis of divine attributes, immortality, and the soul.

**PHI 363 Environmental Ethics 3**

The ethics of our relationship to the environment. Traditions in environmentalism; treatment of animals, nature, plants, and species; application of environmental ethical theory to real-world environmental problems.

**PHI 399 Medical Humanities Capstone 3**

Students will develop and present projects making use of material from courses taken in fulfillment of the Medical Humanities Minor. The course will also include guest lectures on a variety of topics, as well as discussions led by the instructor of record.

**Prerequisites:** Permission of the instructor required.

**Notes:** In most cases students must have completed 12 hours of coursework towards the minor in order to receive permission.

**PHI 401 Reading Course for Seniors 1-3**

Supervised reading and research for philosophy majors.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit.

**PHI 402 Independent Study 1-3**

**Prerequisite:** Satisfaction of requirements for the major in philosophy and permission of instructor;

**Notes:** May be repeated for credit.

**PHI 420 Advanced Topics in Biomedical Ethics 3**

Detailed examination of a particular issue in biomedical ethics, such as research ethics, assisted suicide and euthanasia, and the acquisition and allocation of organs for transplantation.

**Prerequisites:** PHI 220.

**PHI 424 Philosophy of Social and Behavioral Science 3**

Issues in philosophy of social and behavioral science from Hume to the present: explanation, theory construction, methodology of the social sciences, the status of the sociology of knowledge.

**PHI 426 Philosophy of Physical Science 3**

Study of a major current issue in the philosophy of science such as scientific progress and change, scientific methods, experiment and theory, scientific explanation, rationality, scientific realism, relations between philosophy of science and history of science. Examples drawn from modern history of the physical sciences.

**Prerequisites:** PHI 325.

**PHI 445 Social Philosophy 3**

Topics from social, political, and legal philosophy, such as property, justice, punishment, liberalism, conservatism, and a study of such major figures as Hobbes, Locke, Mill, and Rawls.

**Prerequisites:** PHI 321 or PHI 331 or PHI 335.

**PHI 474 Advanced Logic 3**

Axiomatic first order quantification theory with completeness theorems. Numbers and sets. Paradoxes and type theory. Introduction to modal logic.

**Prerequisites:** PHI 311 or permission of instructor.

**PHI 493 Honors Work 3-6**

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**PHI 494 Senior Capstone Course 3**

Variable content. Senior-level philosophical work on some thematic topic. Elements and methods of philosophical argument, research and debate. Technology competencies and information skills/ research competencies in the major.

**CIC:** CIC College Writing

**Prerequisites:** PHI 310, PHI 341, PHI 342. Philosophy major; senior standing.

**PHI 523 Philosophy of Social and Behavioral Science 3**

Issues in philosophy of social and behavioral science from Hume to the present: explanation, theory construction, methodology of the social sciences, the status of the sociology of knowledge.

**PHI 525 Philosophy of Physical Science 3**

Study of a major current issue in the philosophy of science such as scientific progress and change, scientific methods, experiment and theory, scientific explanation, rationality, scientific realism, relations between philosophy of science and history of science. Examples drawn from modern history of the physical sciences.

**PHI 559 Philosophy of Mind 3**

The mind-body problem, identity theories, functionalism, reductive and eliminative materialism, behavioral and causal theories of mind.

**PHI 575 Advanced Logic 3**

Axiomatic first order quantification theory with completeness theorems. Numbers and sets. Paradoxes and type theory. Introduction to modal logic.

**PHI 601 Advanced Topics in Philosophy 3**

Topics may include relativism, legal ethics, and artificial intelligence.

**Prerequisites:** Permission of Instructor.

**Notes:** May be repeated for credit when topic varies.

**PHI 620 Ethics and Genetics 3**

Ethical issues in the acquisition and application of knowledge about the human genome. Topics include genetic testing and abortion, predictive testing, testing for minors, confidentiality, gene therapy, and human cloning.

**Prerequisites:** Matriculation to third semester of MS genetic counseling program or permission of instructor.

# Physics (PHY)

**PHY 101 Methods, Skills, and Strategies for Physics 3**

Knowledge, skills, and strategies for surviving and excelling at physics. Includes essential analytical skills, key physics ideas, problem-solving techniques, critical-thinking practice, and academic success tips.

**PHY 196 Individual Study 1-3**

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for topics requiring no prior physics knowledge.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of 6 credit hours with permission of department.

**PHY 205 Conceptual Physics 3**

Introduction to basic laws of physics made by extensive use of demonstrations. Concepts emphasized and mathematical manipulations held to a minimum.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** None.

**Notes:** No student may receive credit for this course if credit has previously been earned for PHY 211, PHY 212, PHY 291, or PHY 292. Registration in laboratory (PHY 205L) optional.

**PHY 205L Conceptual Physics Laboratory 1**

The discovery approach will be used to conduct experiments in mechanics, fluids, heat, electricity and magnetism, optics and modern physics.

**Corequisites:** PHY 205 .

**PHY 211 General Physics I 4**

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** A grade of C or better in MAT 151 or MAT 183 or MAT 184 or MAT 190 or MAT 191 or MAT 196, or permission of instructor.

**Corequisites:** PHY 211L (the attached laboratory section).

**Notes:** Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211A or PHY 212A or PHY 291 or PHY 292.

**PHY 211A General Physics I 4**

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** A grade of C or better in MAT 151 or MAT 183 or MAT 184 or MAT 190 or MAT 191 or MAT 196, or permission of instructor.

**Corequisites:** PHY 211L (the attached laboratory section).

**Notes:** Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211 or PHY 212A or PHY 291 or PHY 292.

**PHY 211L General Physics Lab I 0****PHY 212 General Physics II 4**

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** A grade of C or better in PHY 211 or permission of instructor.

**Notes:** Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211A or PHY 212A or PHY 291 or PHY 292.

**PHY 212A General Physics II 4**

Introduction of laws and properties of matter, sound, heat, optics, electricity, and magnetism. Algebra and trigonometry used in development of this material.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** A grade of C or better in PHY 211 or permission of instructor.

**Notes:** Laboratory is included in PHY 211 and PHY 212. No student may receive credit for PHY 211 or PHY 212 if credit has previously been earned for PHY 211A or PHY 212 or PHY 291 or PHY 292.

**PHY 212L General Physics Lab II 0****PHY 291 General Physics I with Calculus 4**

Introduction to the laws and properties of mechanics and heat using calculus.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** Grade of C or better in either MAT 191 or MAT 196.

**PHY 291L General Physics I with Calculus Lab 0**

Laboratory supporting PHY 291.

**Corequisites:** PHY 291.

**Notes:** No grade is awarded with this course number. Grades are awarded with the lecture course.

**PHY 292 General Physics II with Calculus 4**

Introduction to the laws and properties of electricity, magnetism, sound, and optics using calculus.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** Grade of C or better in PHY 291. grade of C or better in either MAT 292 or MAT 296;

**Corequisites:** Students must register concurrently for the laboratory section, PHY 292L.

**Notes:** PHY 291 and PHY 292 together constitute a one-year university physics course. No student may receive credit for this course if credit has previously been earned for PHY 212 or PHY 212A.

**PHY 292L General Physics II with Calculus Lab 0**

Laboratory supporting PHY 292.

**Corequisites:** PHY 292.

**Notes:** No grade is awarded with this course number. Grades are awarded with the lecture course.

**PHY 294 Introduction to Computational Physics Laboratory 1**

Introduction to computational techniques used in physics and engineering. Use of software to solve problems in physics and astronomy, including simulation of interesting physical situations.

**Prerequisites:** Grade of C or better in PHY 292. or grade of C or better in PHY 291 and concurrent registration in PHY 292; Pr. or Coreq.: PHY 292.

**PHY 296 Individual Study 1-3**

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for topics comparable to PHY 291/PHY 292 in level and requiring some prior physics knowledge.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of 6 credit hours with permission of department.

**PHY 311 Intro to Experimental Methods 3**

Selected experiments with emphasis on laboratory techniques, methods of data analysis, knowledge of instrumentation, and the writing of laboratory reports. Intended to prepare students for research and advanced laboratory work.

**CIC:** CIC College Writing

**Prerequisites:** Grade of C or better in PHY 292. or permission of instructor;

**Corequisites:** PHY 321. Corequisite need not be taken concurrently. prior completion is adequate.

**PHY 321 Introduction to Modern Physics 3**

Fundamental concepts of atomic, molecular, nuclear, and solid state physics from quantum-mechanical and special relativity points of view. Topics include special relativity, wave-particle dualism, Schrodinger equation, hydrogen atom, atomic spectra, nuclear structure, radioactivity, nuclear reactions, and molecular and solid state physics.

**Prerequisites:** Grade of C or better in PHY 292. or permission of instructor;

**Corequisites:** MAT 390. MAT 394 or MAT 396; or permission of instructor.

Corequisites need not be taken concurrently; prior completion is adequate.

**PHY 321L Modern Physics Laboratory 1**

Performance of atomic, nuclear, and solid state physics experiments and analysis of data in a quantitative and scientific manner. Simple computer programs used to study the concepts of error and least-square-fit techniques.

**Prerequisites:** Completion of or current registration in PHY 321. Pr. or Coreq.: PHY 321.

**PHY 323 Mechanics 3**

Mathematical treatment of classical kinematics and dynamics of a particle in a uniform field, in oscillatory motion and simple motions of systems of particles. Analytical and numerical techniques of problem solution stressed.

**Prerequisites:** Grade of C or better in PHY 292. or permission of instructor;

**Corequisites:** MAT 390. MAT 394 or MAT 396; or permission of instructor. Corequisites need not be taken concurrently; prior completion is adequate.

**PHY 325 Electricity and Magnetism I 3**

A study, developing and using techniques of vector algebra and calculus, of topics in the theory of static electric and magnetic fields including the divergence and Stokes' theorems and the law of Gauss, Biot-Savart, and Ampere. Application to the properties of conductors, dielectric, and magnetic materials.

**Prerequisites:** Grade of C or better in PHY 292, MAT 390, and either of MAT 394 or MAT 396.

**PHY 325L Electricity and Magnetism Laboratory 1**

Performance of electricity and magnetism and electronic experiments with analysis of these basic phenomena as applied to research laboratory.

**Prerequisites:** Completion of or concurrent registration in PHY 325.

**Corequisites:** PHY 325 (if not satisfied as a prerequisite)

**PHY 327 Thermal Physics 3**

Properties of matter developed by combining thermodynamic reasoning with molecular theory.

**Prerequisites:** Grade of C or better in MAT 394 or MAT 396, and PHY 321.

**PHY 331 Experimental Physics 1**

Advanced courses in laboratory techniques as involved in special laboratory problems.

**PHY 333 Selected Topics 1-3**

Primarily intended for those who are not physical science majors. Topics vary with instructor and with semester. Contemporary topics may include subjects such as analysis of physical resources, their inherent energy limitations and new sources of energy (such as solar, geothermal, etc.); development and adaptation of nuclear energy to electric power plants and armaments systems and the ensuing environmental and political problems. No previous science course required. Interested students should inquire at Physics and Astronomy Department office for further details. Selected topics for science majors may also be given upon request.

**PHY 351 Intro to Computational Physics 3**

Introduction to computational methods used in physics and engineering, including computational simulation of physical systems, numerical solution of mathematical problems, and familiarity with scientific programming tools.

**Prerequisites:** Grade of C or better in PHY 292 and grade of C or better in CSC 120, or permission of instructor.

**Corequisites:** PHY 321, or permission of instructor. Corequisite need not be taken concurrently. prior completion is adequate.

**PHY 395 Computational Physics Laboratory II 1**

Use of numerical methods and computational models to simulate and investigate the behavior of various physical systems, including ODE integration, PDE mesh relaxation, and/or Monte Carlo methods.

**PHY 396 Individual Study 1-3**

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for topics comparable to 300-level physics courses and requiring solid knowledge of introductory physics.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of 6 credit hours with permission of department.

**PHY 401 Physics Senior Seminar 1**

Topics from current physics literature, and presentations by students, faculty and guest lecturers. Oral reports on research topics. Attendance at weekly seminars required.

**Prerequisites:** PHYS major, senior standing;

**Notes:** Required of all Physics majors. Grade: Pass/Not Pass (P/NP).

**PHY 402 Conceptual Physics for Teachers 3**

The basic laws of physics are introduced by extensive use of demonstrations. Concepts are emphasized and mathematical manipulation is minimal. Teaching materials and strategies are developed.

**PHY 411 Experimental Physics II 3**

Experiments investigating electrical phenomena, modern physics, and current faculty research. This course builds on experience from PHY 311. Intended to prepare students for graduate school or careers in research and development.

**Prerequisites:** PHY 311, PHY 323, and PHY 325.

**PHY 412 Electronics for Scientists 3**

Electronic circuits useful for measurement, signal processing, and control. This course is especially designed to meet needs of experimental scientists.

**Prerequisites:** Grade of C or better in MAT 390, PHY 292, PHY 311, and PHY 351. or permission of instructor.

**PHY 419 Advanced Laboratory 1-3**

Methods and techniques of electronic connection between computer and other devices and programming methods to facilitate use of the computer as a laboratory instrument are introduced. Assembly language used primarily.

**CIC:** CIC College Writing

**Prerequisites:** Grade of C or better in PHY 311 and PHY 351, or permission of instructor.

**PHY 420 Selected Topics in Physics 3**

A topic of special interest is studied in depth.

**PHY 421 Quantum Mechanics 3**

Modern theories of matter are studied by applying quantum mechanics to atomic, molecular, nuclear, and solid state systems.

**Prerequisites:** Grade of C or better in PHY 321, PHY 325, and PHY 351.

**PHY 423 Analytical Mechanics 3**

Classical laws of particle motion are extended to the treatment of general motion of a rigid body, noninertial reference frames, generalized coordinates, normal coordinates, and to topics and techniques based on calculus of variations.

**Prerequisites:** Grade of C or better in PHY 323 and MAT 390.

**PHY 431 Astrophysics 3**

Stellar evolution through study of white dwarves and black holes; galaxy structure and cosmology. Observational project will use Three College Observatory. Intended as follow-up to introductory astronomy and physics.

**Prerequisites:** Grade of C or better in PHY 321, PHY 323, PHY 325, PHY 327, and PHY 351. or permission of instructor.

**PHY 443 Biophysics 3**

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

**Prerequisites:** BIO 355, CHE 111 and CHE 114; MAT 191; PHY 211 and PHY 212 (or PHY 291 and PHY 292); or permission of instructor;

**Notes:** Same as BIO 443.

**PHY 453 Analytical Methods for Physics 3**

Mathematical methods applied to diverse physics topics such as power series expansions, complex numbers, curvilinear coordinate systems, ordinary and partial differential equations, Lagrange multipliers, orthonormal basis expansions, and functional transformations.

**Prerequisites:** Grades of C or better in PHY 321, PHY 323, MAT 390, and either of MAT 394 or MAT 396.

**PHY 495 Research Experience in Physics 1-3**

A significant research project directed by faculty member. Student must submit written proposal, develop approved written plan, and deliver formal report of results.

**PHY 496 Individual Study 1-3**

Individual study on a topic of personal interest, mentored by a willing faculty member. Appropriate for advanced or specialized topics requiring solid knowledge of core (300-level) physics.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of 6 credit hours with permission of department.

**PHY 543 Biophysics 3**

Introduction to cellular biophysics, with emphasis on the physical properties of membranes, including membrane transport mechanisms and electrical properties of membranes.

**Prerequisites:** BIO 355, CHE 114, MAT 191, and either PHY 211 with PHY 212 or PHY 291 with PHY 292. or permission of instructor;

**Notes:** Same as PHY 543.

**PHY 608 Modern Physics for Teachers 3**

Recent developments in physics.

## Political Science (PSC)

**PSC 101 Politics in a Digital World 3**

Introduction to the analysis of politics (domestic and international) through the study of social media, databases, polls, blogs, and on-line news sources.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**PSC 105 Exploring Political Issues 3**

Introduction to the main intellectual traditions of political science. Discusses basic problems, political ideologies, and competing theories of politics.

**MAC:** MAC CritThink Hum and Fine Art

**PSC 200 American Politics 3**

Organization and behavior of the institutions, groups, and persons in American national government and politics. Introductory level course.

**MAC:** MAC CritThink Soc and BehavSci

**PSC 210 Introduction to Health Policies 3**

Analysis of governmental health policies with emphasis on the impact of these policies on the individual, states, and the nation.

**MAC:** MAC Health and Wellness

**PSC 240 The International System 3**

Introduction to international politics focusing upon major changes in the international system since 1945.

**MAC:** MAC CritThink Soc and BehavSci

**PSC 250 Model United Nations 1**

Introduces students to the structure and processes of the United Nations and involves participation in a simulation of the UN at the Southern Regional Model UN.

**Notes:** May be repeated for credit.

**PSC 260 Introduction to Comparative Politics 3**

Basic concepts and methods of comparative political analysis.

Introduction to political institutions, processes, and problems of democratic, non-democratic, and transitional political systems.

**MAC:** MAC CritThink Soc and BehavSci

**PSC 270 Introduction to Political Theory 3**

Examines the tradition of Western political thought beginning with Plato and ending with twentieth century philosophers. Topics include the nature and meaning of liberty, justice, and equality and the purpose of politics.

**MAC:** MAC CritThink Soc and BehavSci

**CIC:** CIC College Writing

**PSC 280 Introduction to Law 3**

Introduction to legal method and principles and the legal profession.

Students acquire knowledge of substantive areas of law and recognition of legal issues and resolution through the legal process.

**PSC 290 The Politics of the Non-Western World 3**

Introduces students to the problems facing countries in Asia, Africa, and Latin America. Introduces the social science literature concerning globalization, conflict and conflict resolution, political economy, and democratization.

**PSC 300 Special Topics 3**

Study of an issue in political science.

**Notes:** May be repeated for credit when topic varies.

**PSC 301 Research Methods in Political Science 3**

Basic principles of research in political science. Focus on testing of empirical propositions, with particular emphasis on survey research methods and on data analysis and interpretation. No statistical knowledge required.

**Prerequisites:** Majors only.

**PSC 305 Political Psychology 3**

Introduction to development of individual political attitudes and their relationship to political behavior. Topics include the psychology of political leaders, the belief systems of mass publics, and the development of distinct political cultures. Emphasis on the range of political participation, from voting behavior to extremism and violence.

**PSC 307 Art and Politics of the United States 3**

An interdisciplinary seminar combining analysis of the relationship between contemporary art and politics with community engagement via public-facing projects and discussions.

**Prerequisites:** ARH 110, ARH 111, ARH 353.

**Notes:** Same as ARH 349.

**PSC 308 Identities and Politics 3**

This course considers the relationship between social identities and politics within the United States. It addresses how the experiences of different groups inform opinions and actions, and how the political system helps create these experiences. Topics include the political construction of social groups, group-based appeals and representation, and how social group evaluations shape opinions.

**PSC 309 Entrepreneurship in the Public Sector 3**

Introduction to principles and practices of entrepreneurship in the public sector through literature, case studies of initiatives, such as citizen innovation and cross-sectoral collaborations, online class discussions, and group projects.

**Notes:** Same as ENT 309.

**PSC 310 Public Administration 3**

Major concepts in administration of public bureaucracies, including comparative administration, organization theory, budgeting, public personnel, and decision-making.

**PSC 311 The Nonprofit Sector and Governance 3**

Development of nonprofit organizations and their contributions in the U.S. and internationally; their political, social, and economic roles; nonprofit governance; relationships to government; types of nonprofits; contemporary issues. Service-learning course.

**PSC 312 Environmental Law and Policy 3**

Study of federal and international environmental law and policy: topics include air and water pollution, hazardous and toxic substances, climate change, atmospheric pollutions, and related issues.

**CIC:** CIC College Writing

**Notes:** Same as ENV 312.

**PSC 313 Natural Resources Law and Policy 3**

Study of state, federal, and international natural resources law and policy. Topics include acquisition and management of public lands, wildlife, biodiversity, resource conservation.

**CIC:** CIC College Writing

**Notes:** Same as ENV 313.

**PSC 316 Judicial Process 3**

Analysis of the American legal system, focusing on the behavior of actors in that system, theoretical foundations of the system, and policy-making role of the courts.

**PSC 318 Constitutional Law 3**

Case-method approach to the most important aspects of constitutional law regarding separation of powers, federalism, and economic regulation. Emphasis on importance of historical eras to the evolution of these cases, and current reassessment.

**PSC 320 Civil Liberties 3**

Case-method approach to issues involving civil liberties and civil rights. Examination of historical evolution of Supreme Court decisions and evaluation of the Court's reassessment of previous decisions.

**PSC 322 American State Politics 3**

Comparison of political behavior and institutions among the 50 American states.

**CIC:** CIC College Writing

**PSC 323 Urban Politics 3**

Examination of political behavior, processes, and institutions in city as a special focus for study of politics and government in United States. Discussion and readings directed to current development in American cities.

**CIC:** CIC College Writing

**PSC 325 Community Development 3**

This course explores the politics, policies, and practice of community development in the United States. The course tracks the political debates that accompany the historical evolution of community development, examines the primary elements of the community development process, and identifies core programs that improve quality of life for disadvantaged neighborhoods.

**CIC:** CIC College Writing

**PSC 327 American Political Parties 3**

Analysis of the role of political parties in the American political process, with emphasis on recent elections and campaigns.

**PSC 328 North Carolina and Southern Politics 3**

Examination of contemporary political and governmental developments in the American South. Particular attention to North Carolina politics and government.

**PSC 329 American Interest Group Politics 3**

Emphasis on interest groups' ideologies, tactics, and effect on public policy.

**PSC 330 Internship in Campaigns and Elections 3**

Analysis of electoral campaign strategies by party and candidate through actual participation in campaigns and by writing of case studies based on student campaign participation. Spring semester in even numbered years covers primary elections; fall semester concentrates on general elections. Either semester may be taken independently.

**Prerequisites:** PSC 200 or its equivalent and at least Junior standing.

**Notes:** PSC 327 or PSC 328 recommended.

**PSC 332 Elections and Voting 3**

Analysis of influences on voting behavior and of the relationship among voting behavior, elections, and the political process as a whole, with emphasis on contemporary U.S. presidential elections.

**PSC 333 The U.S. Congress 3**

Examination of the U.S. Congress, its evolution and contemporary standing. Attention given to internal organization—rules, committees, voting behavior—and relationship to constituencies, especially campaigns, elections, and home styles.

**PSC 334 The American Presidency 3**

Examination of the contemporary American presidency. Attention given to the multiple roles of the president, to the rise of the presidency in American government and politics, and to the implications of a powerful presidency for democratic government.

**PSC 336 Women and the Law 3**

Examination of interaction between women and the legal system. Role of women in legal professions and the impact of the legal system on women in American society.

**PSC 337 Politics and the Media 3**

Analysis of the interaction between the American media, and public and political institutions. Particular attention is given to how media interact with the three branches of government, particularly the executive.

**PSC 341 International Law 3**

Introduction and analysis of the fundamentals of international law and its role in the contemporary international system.

**Prerequisites:** PSC 240 or permission of instructor .

**PSC 342 American Foreign Policy 3**

Analysis of the decision-making process concerning formulation and execution of American foreign policy.

**CIC:** CIC College Writing

**Prerequisites:** PSC 240, its equivalent, or permission of instructor .

**PSC 344 Politics of Globalization 3**

Political impact of globalization at the international, national, and subnational levels. Attention given to its implications for the politics of international civil society, world affairs, and citizenship.

**PSC 347 International Security 3**

Examines traditional security threats such as war, conflict, and instability as well as more recent security challenges including weapons proliferation, terrorism, and human security concerns.

**Prerequisites:** PSC 240 or permission of instructor .

**PSC 348 International Organization 3**

The role of international organizations in international affairs with a special emphasis on the United Nations, its special agencies, and regional organizations such as the European Union.

**Prerequisites:** Any international relations course or permission of instructor .

**PSC 349 Human Rights and the Global Citizen 3**

Explores the role of international and nongovernmental organizations, and other non-state actors in the development of international human rights. Analyzes advocacy networks' role in the protections of those rights.

**PSC 350 Democratic Political Systems 3**

Comparative examination of political institutions and behavior in selected industrialized and non-industrialized countries.

**CIC:** CIC College Writing

**PSC 352 Nationalism and Ethnic Politics 3**

Explores competing explanations of nationalism and ethnic politics. Course focuses on comparative analysis in a global context, and examines strategies that have been employed by governments to manage ethnic tension.

**Prerequisites:** PSC 260 or permission of instructor .

**PSC 354 Post-Conflict Politics 3**

Examines the post-conflict reconstruction and reconciliation process in war-torn societies. Among the topics covered are security sector reform, elections, institutional design, transitional justice, and economic stabilization efforts.

**Prerequisites:** PSC 240 or PSC 260 or PSC 290.

**PSC 355D Selected Topics in Comparative Politics: Politics of Industrial Societies 3**

See PSC 355.

**PSC 355J Selected Topics in Comparative Politics: Middle East Politics 3**

See PSC 355.

**PSC 355K Selected Topics in Comparative Politics: Russian Politics 3**

See PSC 355.

**PSC 355M Selected Topics in Comparative Politics: Political Economy 3**

Cross-national examination of specific topics in political organization and behavior.

**PSC 355N Selected Topics in Comparative Politics: European Union 3**

See PSC 355.

**PSC 355P Selected Topics in Comparative Politics: Politics of Latin America 3**

See PSC 355.

**CIC:** CIC College Writing

**PSC 370 Civic Leadership and Engagement 3**

Civic Leadership and Engagement will provide students with the knowledge and skills to effectively participate in, organize, and lead civic groups and communities as they work to solve public problems.

**PSC 371 American Political Thought 3**

Examines major works in American political thought by authors such as Madison, Jefferson, Lincoln, Thoreau, Emerson, King, Malcolm X, and Friedan. Special Emphasis on tracing the promise and problems of American life.

**PSC 375 Democracy and Its Critics 3**

What does it look like when the people rule themselves? This course explores classical and contemporary accounts of the meaning, value, and challenges of democracy to answer this question.

**PSC 376 Critical Political Theory 3**

This course introduces various modes of thinking critically about modern political and social life, focusing specifically on how power and resistance work in economic, moral, cultural, racial, and gender relations.

**PSC 391 African Political Systems 3**

Survey and analysis of the institutions and current problems of African states. Emphasis on Sub-Saharan Africa.

**CIC:** CIC College Writing

**Prerequisites:** PSC 240 or PSC 290 or permission of instructor .

**PSC 392 The Politics of South Africa Through Film and Literature 3**

This course uses film and literature as the vehicle to examine the issues associated with the remarkable evolution of South African politics from the institutionalized racism of apartheid through the transformation to majority rule.

**PSC 399 Public Affairs Internship 1-3**

Field learning experience in governmental agencies and private organizations involved in the political process. Academic supervision provided by faculty advisor and direction in field provided by job supervisor. Written report on a substantive topic related to the internship required.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of 9 s.h.

**PSC 400 Selected Topics in Political Science 1-3**

Opportunity for advanced students to study in depth a topic of special interest.

**Prerequisites:** Major in political science or permission of instructor.

**Notes:** May be repeated for credit when topics vary.

**PSC 401 Individual Study 1-3**

Reading or research. Available to qualified students upon recommendation of an instructor.

**Prerequisites:** Departmental permission.

**PSC 402 Individual Study 1-3**

Reading or research. Available to qualified students upon recommendation of an instructor.

**Prerequisites:** Departmental permission.

**PSC 403 Survey Methods for Policy Research 3**

Theoretical and practical issues involved in designing and using sample surveys for political and policy research. Emphasis on survey methods used by the government and others in public sector.

**PSC 410 Topics in Public Policy 3**

Intensive analysis of a major area of public policy. Examination of sources of policymaking, the policymaking process, and the impact of policy. PSC 410A-Politics of Education; PSC 410B-Criminal Justice; PSC 410C-Labor Relations; PSC 410D-Foreign and Defense Policy; PSC 410E-Environmental Policy; PSC 410F-Urban Development Policy; PSC 410G-Health Strategies; PSC 410H-Global Challenges; PSC 410I-Press and Politics; PSC 410J-Politics of Industrial Policy; PSC 410K-Ethics in Public Policy.

**Notes:** May be repeated for credit when topic varies.

**PSC 410E Topics in Public Policy: Environmental Policy 3**

See PSC 510.

**PSC 410F Topics in Public Policy: Urban Development Policy 3**

See PSC 410.

**PSC 410G Topics in Public Policy: Health Strategies 3**

See PSC 510.

**PSC 410H Topics in Public Policy: Global Challenges 3**

See PSC 510.

**PSC 410K Topics in Public Policy: Ethics in Public Policy 3**

See PSC 410.

**PSC 410P National Security Policy 1-3**

Topics in Public Policy.

**PSC 411 Topics in Public Affairs 1**

Examination of a current topic in the management of public and nonprofit agencies. PSC 511A–Oral Communication Skills; PSC 511B–Marketing for Public and Nonprofit Agencies; PSC 511C–Information Technology and Management; PSC 511D–Strategic Planning; PSC 511E–Legislative Relations; PSC 511F–Financial Management; PSC 511G–Grant Writing; PSC 511J–Legal Issues in Public Administration; PSC 511K–Legal Issues in Local Government; PSC 511M–Media Relations; PSC 511N–Nonprofit Law; PSC 511P–Group Facilitation; PSC 511R–Diversity and Culture; PSC 511S–Social Entrepreneurship in Nonprofits; PSC 511V–Volunteer Management.

**Prerequisites:** for senior PSCI major: completion of PSC 310 (or PSC 311).

**Notes:** May be repeated when topics vary up to a limit of 6 s.h.. Graduate standing; or senior PSCI major; or permission of the Graduate Director.

**PSC 411A Topics in Public Affairs: Oral Communication Skills 1**

See PSC 411.

**PSC 411B Topics in Public Affairs: Marketing for Public and Nonprofit Agencies 1**

See PSC 411.

**PSC 411C Topics in Public Affairs: Information Technology and Management 1**

See PSC 411.

**PSC 411D Topics in Public Affairs: Strategic Planning 1**

See PSC 411.

**PSC 411E Topics in Public Affairs: Legislative Relations 1**

See PSC 411.

**PSC 411G Topics in Public Affairs: Grant Writing 1**

See PSC 411.

**PSC 411J Topics in Public Affairs: Legal Issues in Public Administration 1**

See PSC 411.

**PSC 411K Topics in Public Affairs: Legal Issues in Local Government 1**

See PSC 411.

**PSC 411M Topics in Public Affairs: Media Relations 1**

See PSC 411.

**PSC 411N Topics in Public Affairs: Nonprofit Law 1**

See PSC 411.

**PSC 411O ExpCrs: Program Evaluation 1**

Coverage of the types of evaluation approaches, including needs assessment, formative research, process evaluation, monitoring of outputs and outcomes, impact assessment, and cost analysis.

**PSC 411P Topics in Public Affairs: Program Evaluation 1**

See PSC 411.

**PSC 411R Topics in Public Affairs: Diversity and Culture 1**

See PSC 411.

**PSC 411S Topics in Public Affairs: Social Entrepreneurship in Nonprofits 1**

See PSC 411.

**PSC 411V Topics in Public Affairs: Volunteer Management 1**

See PSC 411.

**PSC 412 Federalism and Intergovernmental Relations 3**

Focuses on changing relationships of local-state-federal agencies, expanding role of regional cooperation, and recent developments in sub-national governments.

**Prerequisites:** Graduate standing or permission of instructor.

**PSC 420 Urban Political System 3**

Examination of major topics in the study of urban government and policy. Systems approach to provide an analytic framework for interrelating specific topics such as citizen participation, interest groups, parties, types of elections, forms of government, community power, and racial politics.

**PSC 435 Citizen Participation in Policy-Making 3**

Political participation and citizen involvement in governmental policy-making. Both citizen initiated and government sponsored efforts to increase popular input analyzed. Assessment of impact of citizen participation on policy-making in specific areas of policy and on performance of government in general.

**PSC 440 Nonprofit Management and Leadership 3**

Overview of major concepts and concerns of nonprofit organizations, including tax-exempt status, incorporation, nonprofit-government relations, board-director-staff relations, volunteers, services and program planning, implementation, resource development.

**Prerequisites:** Senior standing.

**PSC 460 Special Topics in Public Administration 1-3**

Students may repeat three-semester-hour courses when topics vary, but one-semester-hour courses when topics vary only for a maximum of three semester hours. Specific topic identified by extension to basic title, e.g., Special Topics in Public Administration: Public Financial Management; Financial Analysis Techniques; Grants and Contract Administration.

**Prerequisites:** Permission of instructor.

**PSC 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**PSC 499 Legislative Internship 0****PSC 503 Survey Methods for Policy Research 3**

Theoretical and practical issues involved in designing and using sample surveys for political and policy research. Emphasis on survey methods used by the government and others in public sector.

**PSC 510 Topics in Public Policy 3**

Intensive analysis of a major area of public policy. Examination of sources of policymaking, the policymaking process, and the impact of policy. PSC 510A–Politics of Education; PSC 510B–Criminal Justice; PSC 510C–Labor Relations; PSC 510D–Foreign and Defense Policy; PSC 510E–Environmental Policy; PSC 510F–Urban Development Policy; PSC 510G–Health Strategies; PSC 510H–Global Challenges; PSC 510I–Press and Politics; PSC 510J–Politics of Industrial Policy; PSC 510K–Ethics in Public Policy.

**Notes:** May be repeated for credit when topic varies.

**PSC 510E Topics in Public Policy: Environmental Policy 3**

See PSC 510.

**PSC 510F Topics in Public Policy: Urban Development Policy 3**

See PSC 510.

**PSC 510K Topics in Public Policy: Ethics in Public Policy 3**

See PSC 510.

**PSC 511 Topics in Public Affairs 1**

Examination of a current topic in the management of public and nonprofit agencies.

**Notes:** May be repeated when topics vary up to a limit of 6 credits.

**PSC 511A Topics in Public Affairs: Oral Communication Skills 1**

See PSC 511.

**PSC 511B Topics in Public Affairs: Marketing for Public and Nonprofit Agencies 1**  
See PSC 511.

**PSC 511D Topics in Public Affairs: Strategic Planning 1**  
See PSC 511.

**PSC 511E Topics in Public Affairs: Legislative Relations 1**  
See PSC 511.

**PSC 511G Topics in Public Affairs: Grant Writing 1**  
See PSC 511.

**PSC 511J Topics in Public Affairs: Legal Issues in Public Administration 1**  
See PSC 511.

**PSC 511N Topics in Public Affairs: Nonprofit Law 1**  
See PSC 511.

**PSC 511P Topics in Public Affairs: Program Evaluation 1**  
See PSC 511.

**PSC 511R Topics in Public Affairs: Diversity and Culture 1**  
See PSC 511.

**PSC 511S Topics in Public Affairs: Social Entrepreneurship in Nonprofits 1**  
See PSC 511.

**PSC 511V Topics in Public Affairs: Volunteer Management 1**  
See PSC 511.

#### **PSC 520 Urban Political System 3**

Examination of major topics in the study of urban government and policy. Systems approach to provide an analytic framework for interrelating specific topics such as citizen participation, interest groups, parties, types of elections, forms of government, community power, and racial politics.

#### **PSC 540 Nonprofit Management and Leadership 3**

Overview of major concepts and concerns of nonprofit organizations, including tax-exempt status, incorporation, nonprofit-government relations, board-director-staff relations, volunteers, services and program planning, implementation, resource development.

#### **PSC 560 Special Topics in Public Administration 1-3**

Students may repeat three-semester-hour courses when topics vary, but one-semester-hour courses when topics vary only for a maximum of three semester hours. Specific topic identified by extension to basic title, e.g., Special Topics in Public Administration: Public Financial Management; Financial Analysis Techniques; Grants and Contract Administration.

#### **PSC 600 Public Administration and Management 3**

Political environment, structure and process of public bureaucracies; organizational theory; professional ethics; and administrative functions including management, budgeting, and personnel.

**Prerequisites:** Admission to the MPA program or permission of instructor.

#### **PSC 601 Politics of Public Policy 3**

Public policy process from agenda-setting to policy formation, legitimization, and implementation.

**Prerequisites:** Admission to the MPA program or permission of instructor.

#### **PSC 602 Quantitative Analysis and Program Evaluation 3**

Basic principles of research design, measurement, data analysis, and computer usage for research in politics and public policy.

**Prerequisites:** Admission to the MPA program or permission of instructor.

#### **PSC 603 Budgeting and Fiscal Administration 3**

Purposes of budgets. The political and economic environment that surrounds the budgetary process in government. Budget preparation, enactment, execution, and decision making at the federal, state, and local levels.

**Prerequisites:** Admission to the MPA program or permission of instructor.  
**Corequisites:** PSC 603 and PSC 603L.

#### **PSC 603L Budget Analysis Laboratory 1**

Problems and exercises designed to assist students in understanding public budgeting. Emphasis on analyzing and communicating budget data.

**Prerequisites:** Admission to the MPA program or permission of instructor.  
**Corequisites:** PSC 603 and PSC 603L.

#### **PSC 604 Public Personnel Management 3**

Employment practices as applied in the public sector; merit and merit systems, position management, equal employment opportunity and affirmative action, unionization, employee rights, and representative bureaucracy.

**Prerequisites:** PSC 600 or permission of instructor.

#### **PSC 611 Program and Policy Evaluation 3**

Structure of program evaluation; identification and measurement of program outcomes; use of experiments and quasi-experiments in evaluation; development of performance measures; analysis of program evaluation data.

**Prerequisites:** PSC 602 or permission of instructor.

#### **PSC 612 Organizational Behavior and Leadership 3**

Behavior of public and nonprofit organizations. Problems of leadership, group dynamics, conflict resolution, and organizational change.

**Prerequisites:** PSC 600 or permission of instructor.

#### **PSC 613 Local Government Administration 3**

Administrative process, management, personnel, budget and finance, and intergovernmental relations in local government.

**Prerequisites:** Graduate standing or permission of MPA program director.

#### **PSC 615 Human Resource Development and Performance Management 3**

Public and nonprofit employee performance evaluation and development: theories of motivation, workforce trends, training techniques and trends, career development, employee performance and evaluation techniques. Workshop format with group exercises.

#### **PSC 620 Urban and Regional Development Policy 3**

Adapted each year, according to the interests of the class, this course examines 21st century urban and regional development policy, focusing on innovations emerging at the intersection of economy, equity, and the environment in the US and elsewhere.

#### **PSC 630 Community and Economic Development Theory and Practice 3**

Critical analysis of community and economic development theory and practice and its historical and theoretical roots, methods, strategies, and tactics.

**Prerequisites:** Permission of MPA program director or graduate standing.

#### **PSC 645 Nonprofit Financial Management and Budgeting 3**

Nonprofit financial management and budgeting concepts, techniques and practices, including management control, budgeting, cost accounting, long-term financing, nonprofit accounting and financial reporting, financial analysis, cash management, and accountability and control.

**Prerequisites:** Graduate standing or permission of instructor.

**PSC 650 Philanthropy and Resource Development 3**

Major concepts, strategies, issues, and approaches to resource development and philanthropy in nonprofit and educational organizations.

**Prerequisites:** PSC 540 or permission of instructor.

**PSC 694 Applied Policy Research 3**

Work with community partners in identifying issues that may need analysis; determining when a problem exists and what is causing it; defining and prioritizing the goals to be achieved in addressing the problem; developing creative alternatives to address the problem; analyzing the impact of different alternatives.

**PSC 695 Public Affairs Internship 3-6**

A full-time work and learning experience in a public or nonprofit agency of approximately three months duration designed to provide the graduate student with practical experience in the ongoing operations of an agency of government or an organization engaged in public affairs activities.

**Prerequisites:** PSC 600, PSC 601, PSC 602, at least three other graduate level courses in political science, and permission of instructor.

**PSC 696 Directed Field Research 3-6**

Field research on selected problems and issues in public policy, including research design, data collection, data analysis, and interpretation of results.

**Prerequisites:** PSC 600, PSC 601, PSC 602, three other graduate level courses, and permission of instructor.

**Notes:** Open to advanced graduate students in the Master of Public Affairs program.

**PSC 697 Special Problems in Political Science 1-3**

Independent study or research in political science. Prior consent of faculty member with whom student wishes to work.

**PSC 698 Special Problems in Political Science 1-3**

Independent study or research in political science. Prior consent of faculty member with whom student wishes to work.

**PSC 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**PSC 801 Thesis Extension 1-3**

Thesis Extension.

**PSC 803 Research Extension 1-3**

# Psychology (PSY)

**PSY 121 General Psychology 3**

Survey of psychology. Includes psychology as science, nervous system, growth and development, sensory and perceptual processes, motivation, emotion, learning, social behavior, personality (normal and pathological), statistics, testing, intelligence, aptitudes, and achievement.

**MAC:** MAC CritThink Soc and BehavSci

**PSY 122 Careers and College Success in Psychology 3**

Provides a roadmap for how students can succeed in college courses and prepare for a career in psychology or allied disciplines with a bachelor's degree, including how to prepare for graduate education, if desired.

**Prerequisites:** Concurrent enrollment in PSY 121 or previous credit for PSY 121.

**PSY 123 Early Research Careers in Psychology 1**

This course is for students in the Early Scientist Program. It provides students with basic research skills and explores different approaches to the conduct of laboratory- and community-based psychological research.

**Prerequisites:** Grade of A- or better in PSY 121. Written permission required for enrollment in this course; see instructor or department for instructions;

**Corequisites:** PSY 122.

**PSY 211 Statistics in Behavioral Science Research 3**

Descriptive and inferential statistics, including estimating parameters and testing significance, as applied to psychological research. Taught at an introductory level. Requires knowledge of elementary algebra.

**Prerequisites:** Grades of at least C- in PSY 121 and in STA 108 (or MAT 115 or MAT 150 or MAT 151 or MAT 183 or MAT 190 or MAT 191 or MAT 196 or RCO 114 or RCO 115).

**Notes:** Online course requires on campus exams, contact instructor. Students may not receive credit for more than one of the following: PSY 211 and also STA 271 (or STA 352 or ECO 250).

**PSY 230 Biological Psychology 3**

An introduction to the contributions of molecular, genetic, cellular, developmental, physiological, and evolutionary biology to the scientific understanding of psychological processes.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Grade of at least a C- in PSY 121 or BIO 111 or BIO 105 .

**PSY 240 Principles of Learning 3**

Survey of scientific theories and research on learning and motivation according to classic theorists and contemporary behavioral psychologists. Topics include reinforcement, punishment, stimulus control, and examples from the real world.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 250 Developmental Psychology 3**

Survey of scientific theories and research findings in human psychological development, including its biological, behavioral, cognitive, social, and emotional aspects.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Grade of at least a C- in PSY 121.

**Notes:** Students may not receive credit for both HDF 111 and PSY 250.

**PSY 260 Psychological Perspectives on Social Psychology 3**

Survey of scientific theories and research on the nature, causes, and consequences of individual behavior in social context. Topics include relationships, groups, attitudes, persuasion, aggression, altruism, and prejudice.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Grade of at least a C- in PSY 121 .

**PSY 275 Introduction to Clinical Psychology 3**

Survey of main issues within clinical psychology. Includes nature and ethics of profession, research methodologies, clinical assessment, models of therapy including empirically validated treatments, and systems of care principles.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 280 Cognitive Psychology 3**

Survey of scientific theories and research in cognitive psychology. Topics include human learning, attention, memory, and problem solving.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 311 Research Methods in Psychology 3**

Introduction to the research methodologies of psychology and to analysis and interpretation of data. Experience with methods of data collection, basic statistical ways to display and analyze data, and writing reports.

**Prerequisites:** Grades of at least C- in (ENG 101 or ENG 102 or RCO 101) and (PSY 211 or STA 271 or STA 352 or ECO 250).

**Corequisites:** PSY 122, waived for anyone who previously earned a P in PSY 122 (or its equivalent).

**PSY 311L Research Methods in Psychology: Lab 1**

Laboratory to complement PSY 311, including developing research proposals, scientific writing in APA style, and communicating research ideas.

**CIC:** CIC College Writing

**Corequisites:** PSY 311, waived for anyone who previously earned a C- or better in PSY 311 (or its equivalent).

**PSY 314 Industrial and Organizational Psychology 3**

Introduction to industrial and organizational psychology with special emphasis on employee motivation, selection, training, and organizational determinants of employee behavior.

**Prerequisites:** Grade of at least a C- in PSY 121.

**Notes:** Same as MGT 314.

**PSY 318 Belief in "Weird" Things 3**

Psychological research on belief in extraordinary, "weird" phenomena, including, but not limited to, the paranormal, superstition, divination, projective tests of personality, alternative healing practices, and unconscious mind control and repression.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 319 Integrative Topics in Psychology 3**

Examination of theories, methods, and research in a specialized area of psychology or in integrative topics across two or more areas of psychology. Check with department for offerings.

**Prerequisites:** Grade of C- or better in PSY 121.

**Notes:** May be repeated once for credit when topic varies.

**PSY 341 Adult Psychopathology 3**

A description of the various psychological disorders is presented along with the research methods used to study them. Each disorder is approached from a number of perspectives: biological, psychosocial (psychodynamic, interpersonal, behavioral, cognitive, and humanistic) and sociocultural.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 346 The Psychology of Gender 3**

Evaluation of effects of biological sex and gender role socialization on personality and behavior through examination of empirical research.

**Prerequisites:** Minimum grade of C- (1.7) in PSY 121.

**PSY 361 Theories of Personality 3**

Major theories of personality including psychodynamic, humanistic, behavioral, cognitive, biological, and trait perspectives. Additional focus on methods of research and assessment that provide the theoretical foundation for studying individual differences.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 365 Psychology of Art, Creativity, and Genius 3**

Scientific research on psychological aspects of art, the creative process, and the nature of genius and expertise, with examples from fine art, music, literature, architecture, and industrial design.

**PSY 370 Ethnicity, Development, and Psychopathology 3**

Survey of research exploring the interplay between ethnicity and child development, including the intersection of ethnicity with socioeconomic status, immigration, and mental health.

**Prerequisites:** Grade of C- or better in PSY 121.

**PSY 375 Psychology of Aging 3**

Overview of psychological issues in aging. Students evaluate research findings in the psychology of aging and apply this knowledge to understanding personal development and the development of others.

**Prerequisites:** PSY 121 or permission of instructor.

**PSY 380 Psychology and the Law 3**

Psychological research on issues associated with legal proceedings, including but not limited to, jury selection and behavior, eyewitness memory and testimony, and standards of proof will be discussed.

**Prerequisites:** Grade of at least a C- in PSY 121. freshmen must have permission of instructor.

**PSY 385 IQ and Intelligence 3**

Psychological research on intelligence and intelligence testing, addressing questions about single versus multiple intelligences, genetic versus environmental influences, sex and race biases, development and aging, social and emotional intelligence, and learning disabilities.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 390 Health Psychology and Culture 3**

Focuses on understanding the relationship between health and illness by exploring biological, psychological, and social factors across select cultures.

**Prerequisites:** Grade of at least a C- in PSY 121.

**PSY 401 Academic Writing in Psychology 3**

Advanced training in academic writing in psychology and related fields, with an emphasis on the goals of scholarly writing, scientific usage and style, and strategies for composing and revising.

**CIC:** CIC College Writing

**Prerequisites:** Grade of C- or better in PSY 311 or SSC 300.

**PSY 410 Intermediate Psychological Statistics 3**

Second course in psychological statistics recommended for students planning to attend graduate school. Includes basic probability, ANOVA, correlation and regression.

**Prerequisites:** Minimum grade of C in PSY 211. PSYC major.

**PSY 415 History and Systems of Psychology 3**

Discussion of prescientific thinking on psychological problems, origin of systems of psychology, and ways systems are reflected in contemporary psychology.

**Prerequisites:** Permission of instructor. concurrent enrollment in PSY 311 OR previous credit for PSY 311.

**PSY 419 Special Topics in Psychology 3**

Intensive examination of current theories and research in a specific area of biopsychology, learning, development, cognition, social psychology or clinical psychology. Check with department for offerings.

**Prerequisites:** Permission of instructor. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** May be repeated for credit when topics vary.

**PSY 433 Research Experience in Psychology 1-3**

Opportunity for students to participate in various phases of research projects being conducted by faculty members in the Department of Psychology.

**Prerequisites:** Nine (9) s.h. in Psychology, and permission of instructor.

**Notes:** May be repeated for credit.

**PSY 435 Brain and Psychological Processes 3**

Study of brain mechanisms for feeding, aggression, sexuality, cognition, consciousness, sleep, learning, memory, thinking, and communication. Examination of brain defects in abnormal behavior and responses to drugs and psychotherapy.

**Prerequisites:** Grade of at least C- in PSY 230. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 435L.

**PSY 438 Animal Behavior 3**

Application of theory of evolution to the explanation of animal behavior. Surveys a variety of species, addressing several behavioral categories as well as issues in sociobiology and human evolution.

**Prerequisites:** Grade of at least C- in PSY 230. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 438L or BIO 438 or BIO 439. Same as BIO 438.

**PSY 444 Changing Behavior in Real World Settings 3**

Principles and applications of behavior analysis in human service, educational, home, and medical settings. Recommended for psychology majors, and graduate and undergraduate students in related human service fields.

**Prerequisites:** Grade of at least C- in PSY 240. concurrent enrollment in PSY 311 OR previous credit for PSY 311.

**PSY 455 Social and Personality Development 3**

Examination of current theories and empirical research concerned with social, emotional, and personality development.

**Prerequisites:** Grade of at least C- in PSY 250. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 455L.

**PSY 456 Cognitive Development 3**

Examination of current theories and empirical research concerned with perceptual and cognitive development.

**Prerequisites:** Grade of at least C- in PSY 250. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 456L.

**PSY 460 Interpersonal Behavior and Group Processes 3**

In-depth analysis of interpersonal behavior and group processes.

Topics include aggression, prosocial behavior, attraction, prejudice and discrimination, social comparison, close relationships, and groups.

**Prerequisites:** Grade of at least C- in PSY 260. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 460L.

**PSY 461 Attitudes and Social Influence 3**

In-depth analysis of attitudes and social influence. Topics include attitude structure, formation and change, propaganda and persuasion; attitude-behavior consistency; conformity; compliance; and obedience.

**Prerequisites:** Grade of at least C- in PSY 260. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 461L.

**PSY 462 Social Cognition: Perceiving and Thinking in a Social Context 3**

In-depth analysis of how we think about ourselves and others. Topics include impression formation, attribution, affect and cognition, social judgement, stereotyping and the self in social context.

**Prerequisites:** Grade of at least C- in PSY 260. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 462L.

**PSY 463 Psychological Perspectives on Personal Relationships 3**

In-depth examination of current theories and empirical research focusing on psychological perspectives of personal relationships. Includes topics related to relationship forms and processes such as intimacy and power.

**Prerequisites:** Grade of at least C- in PSY 260. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 463L.

**PSY 470 Psychological Disorders of Children 3**

Etiology, assessment, and treatment of various psychological disorders of children, e.g., conduct disorder, attention deficit/hyperactivity disorder, depression, anxiety.

**Prerequisites:** Grade of at least C- in PSY 275. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 470L.

**PSY 472 Field Experience in Applied Settings 3**

Community field experience designed to illustrate practical applications of psychological principles and research. Class meetings and written work required in addition to field placement.

**Prerequisites:** Grade of C- or better in PSY 341 or PSY 470. junior standing; and permission of instructor;

**Notes:** Malpractice insurance fee required for certain placements. Be advised that internship sites will require a criminal background check and/or drug test, and reserve the right to reject applicants on the basis of the results.

**PSY 481 Cognition and Consciousness 3**

In-depth discussion of psychological processes of attention and memory and their relationship to consciousness. Analyses of theories, experimental techniques, and results.

**Prerequisites:** Grade of at least C- in PSY 280. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 481L.

**PSY 482 Human Memory 3**

Memory is involved in many everyday activities and is essential for personal identity. This course is about theories and applications of research on human memory and learning.

**Prerequisites:** Grade of at least C- in PSY 280. concurrent enrollment in PSY 311 OR previous credit for PSY 311.

**PSY 483 The Psychology of Thinking 3**

Research and theory on human problem-solving and reasoning. Topics include classification, categorization, decision-making, rational thought, and a discussion of awareness in thinking.

**Prerequisites:** Grade of at least C- in PSY 280. concurrent enrollment in PSY 311 OR previous credit for PSY 311;

**Notes:** Students cannot receive credit for both this course and PSY 483L.

**PSY 484 Cognitive Neuroscience: Exploring the Living Brain 3**

This course surveys key aspects of our current understanding of how the brain instantiates the human mind, allowing for thought and forming the basis of human behaviors. Topics include vision, language, memory, growth, developmental and acquired deficits, and cognitive neuroscience methods (fMRI, EEG, lesion studies, etc.).

**Prerequisites:** Grade of at least C- in PSY 280 OR in PSY 230. concurrent enrollment in PSY 311 OR previous credit for PSY 311.

**PSY 490 Directed Readings in Psychology 1-3**

Reading and library research on a specialized topic in the primary scientific literature in psychology under the supervision of a faculty member.

**Prerequisites:** 18 s.h. in psychology, and permission of instructor.

**Notes:** May be repeated for credit.

**PSY 492 Honors Thesis Development 3**

This course is designed for Disciplinary Honors students in psychology. In this course, students will conduct preparatory work and build relevant skills for beginning the Honors Proposal and Thesis. Students will also develop relevant professional skills that apply to career goals both in and beyond academic settings.

**Prerequisites:** Acceptance and enrollment in the Disciplinary Honors Program via Lloyd International Honors College; successful completion of PSY 311 or enrollment in PSY 311 as a co-requisite; a faculty adviser for the thesis project; instructor permission.

**PSY 493 Honors Independent Study 3**

Opportunity for qualified students to complete directed study and/or research under faculty supervision. Work will lead to a written proposal for and enrollment in Senior Honors Project (see HSS 490).

**PSY 495 Senior Honors Seminar 3**

Provides students with advanced study and critical analysis of contemporary problems in psychology.

**PSY 601 Graduate Problems in Psychology 1-3**

Work individually or in small groups in psychological problems of special interest. Work may represent either a survey of a given field or an intensive investigation of a particular problem.

**Notes:** For students with a strong background in psychology. Students should consult instructor before registering. Grading method is Satisfactory/Unsatisfactory (S/U).

**PSY 602 Seminar in Systematic Issues 3**

Contemporary state of knowledge with regard to the logic and language of psychology.

**PSY 605 First Year Research Practicum 3**

First-year psychology graduate students design and formally propose a directed research project.

**Prerequisites:** Permission of the instructor.

**PSY 609 Statistical Methods in Psychology I 4**

Summarizing and comparing distributions. Thorough review of statistical estimation and hypothesis testing for linear models, e.g., t-test, one-way ANOVA, multiple comparisons.

**Prerequisites:** Graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 610 Statistical Methods in Psychology II 4**

Statistical estimation and hypothesis testing for linear models, e.g., ANOVA for crossed, nested, incomplete, and repeated measures designs, ANCOVA; multiple regression and correlation; general linear model.

**Prerequisites:** PSY 609, graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 615 History and Systems of Psychology 3**

Discussion of prescientific thinking on psychological problems, origin of systems of psychology, and ways systems are reflected in contemporary psychology.

**Prerequisites:** Graduate standing in UNCG Psychology programs or permission of instructor.

**PSY 619 Special Topics in Psychology 3**

Intensive examination of current theories and research in a specific area of biopsychology, learning, development, cognition, social psychology or clinical psychology. Check with department for offerings.

**Prerequisites:** Graduate standing in UNCG Psychology programs or permission of instructor.

**Notes:** May be repeated for credit when topics vary.

**PSY 624 Research Methods in Psychology 3**

Broad-based philosophical and methodological perspectives on conducting and interpreting psychological research; considers basic, applied, and translational research, laboratory- and field-based research, and experimental, quasi-experimental, correlational, and longitudinal research designs.

**Prerequisites:** Pr. or Coreq.: PSY 609 and graduate standing in UNCG psychology programs or permission of instructor.

**PSY 630 Proseminar in Experimental Psychology I 3**

Introduction to theoretical concepts, research methodologies, and empirical findings in foundational areas of experimental psychology and cognitive, developmental, and social psychology.

**PSY 631 Proseminar in Experimental Psychology II 3**

Advanced theoretical concepts, research methodologies, and empirical findings in foundational areas of experimental psychology and cognitive, developmental, and social psychology.

**Prerequisites:** PSY 630.

**PSY 698 Capstone Examination in Clinical Psychology 3**

Independent study course requiring that students demonstrate competency in the knowledge and practice of clinical psychology. Acceptable capstone experience for students who have entered the M.A./Ph.D. program with a master's degree from another university that included an approved research thesis.

**PSY 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**PSY 703 Developmental Psychology 3**

Systematic survey of theories and content of developmental psychology. Developmental issues and research examined in areas including attention, memory, language, socialization, sex roles, and aggression.

**Prerequisites:** Graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 704 Advanced Social Psychology 3**

Theoretical concepts, research methodologies, and empirical findings; aggression, attitude change, attribution, and exchange theory.

**Prerequisites:** Graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 705 Physiology of Sensory and Behavioral Processes 3**

Neural substrates of motivation, emotion, sleep, motor acts and coordination, learning, language, complex processes, and psychopathology.

**Prerequisites:** Enrollment in or completion of PSY 705.

**PSY 706 Cognitive Processes 3**

Human intellectual functioning including pattern recognition, attention, memory, comprehension, reasoning, and problem solving.

**Prerequisites:** Graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 707 Psychological Disorders in Children 3**

Empirical approach to etiology, assessment, and treatment of psychological problems of children, emphasis on development factors. Not intended for students without a strong background in abnormal psychology, child development, and developmental theory.

**Prerequisites:** Graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 708 Psychological Disorders in Adults 3**

An empirical approach to the etiology, assessment, and treatment of psychological problems in adults.

**Prerequisites:** Graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 718 Matrix Algebra Useful for Statistics 1**

Matrix manipulation and understanding the language of matrix algebra rather than formal mathematics.

**Prerequisites:** One basic graduate statistics course.

**PSY 721 Teaching of Psychology 3**

Introduction to pedagogical theories, research, styles, and strategies related to the college teaching of psychology. Considers the presentation of course material, learning assessment tools, test construction, and grading.

**Prerequisites:** Admission to the graduate program in psychology, or graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 723 Evidence-based Practice with Children and Adolescents 3**

Psychotherapy concepts and research from interpersonal, behavioral, humanistic, and cognitive perspectives. Supervised introductory practicum experience in therapeutic methods.

**Prerequisites:** Pr. or Coreq.: PSY 707, PSY 708, and graduate standing in UNCG psychology programs. or permission of instructor.

**PSY 724 Ethical Responsibilities of Clinical Psychologists 3**

In-depth coverage of professional ethics as they pertain to the many different settings in which clinical psychologists often work, including clinical practice, research, teaching, consultation, and other professional activities.

**Prerequisites:** Admission to graduate program in clinical psychology, graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 725 Psychological Assessment in Adults 3**

Construction, evaluation, and interpretation of objective and projective measures of personality as used with normal and clinical groups.

Laboratory practice in personality assessment and in diagnosis.

**Prerequisites:** Pr. or Coreq.: PSY 724. malpractice insurance; and graduate standing in UNCG psychology programs; or permission of instructor.

**PSY 727 Theory and Methods of Behavioral Assessment and Therapy 3**

Evaluation of research and theory underlying behavioral assessment and behavior therapy. Supervised introductory experiences in the use of behavioral assessment and therapy techniques.

**Prerequisites:** PSY 724 and graduate standing in UNCG psychology programs or permission of instructor.

**PSY 728 Theory and Methods of Intellectual Assessment 3**

Research and theory underlying intellectual assessment. Supervised introductory experience in the use of standardized intelligence tests, including evaluation and communication of test results.

**PSY 735C Contemporary Problems 3****PSY 735D Contemporary Problems 3****PSY 735I Contemporary Problems 3****PSY 735J Contemporary Problems 3****PSY 735S Contemporary Problems 3****PSY 741 Contemporary Topics in Clinical Practice 1**

Specific course title identified for each section (e.g. Contemporary Topics in Clinical Practice: Models of Supervision). Course is taken as 1 credit per semester and can be repeated up to 6 credits.

**Prerequisites:** PSY 707, PSY 708, and malpractice insurance.

**Corequisites:** PSY 742 pre-MA, PSY 762 post-MA.

**PSY 742 Practicum in Clinical Intervention 1-6**

Supervised application of psychological principles to the assessment and therapeutic change of individual or group behavior, generally with clients in the UNCG Psychology Clinic.

**Prerequisites:** PSY 707, PSY 708, and malpractice insurance.

**PSY 745 Multicultural Issues in Clinical Psychology 3**

Examination of psychological research, theory, and clinical practice using a multicultural perspective so as to increase awareness, knowledge, and skills involved in the development of cultural competence.

**Prerequisites:** Admission to graduate program in clinical psychology, graduate standing in UNCG psychology programs, or permission of instructor.

**PSY 751 Independent Doctoral Research 1-6**

Individual work on psychological problems of special interest culminating in an intensive, critical review of literature in a given field or scientific investigation of problem.

**Notes:** Before registering, student should obtain the approval of graduate faculty member who agrees to monitor and evaluate the proposed research. Grade: Satisfactory/Unsatisfactory (S/U).

**PSY 761 Preliminary Examination: Integration Across at Least Two Areas Within Psychology 3**

Independent reading on a committee-approved topic. Thorough review and synthesis of major theory and findings in the field. Written and oral examination demonstrating competency across two areas in the field.

**Prerequisites:** Permission of instructor required to register.

**PSY 762 Advanced Practicum in Clinical Psychology 1-12**

Advanced supervised practicum course for clinical psychology doctoral students who have completed PSY 742 training.

**Prerequisites:** PSY 742. malpractice insurance.

**PSY 763 Internship in Clinical Psychology 1-12**

Application of psychological principles to the assessment and therapeutic change of individual or group behavior in an APA-accredited off-campus setting. Students are individually supervised by appropriate agency staff.

**Prerequisites:** PSY 642, PSY 762, malpractice insurance.

**Notes:** Must be repeated once for credit. Open only to clinical psychology graduate students; Grade: Satisfactory/Unsatisfactory (S/U).

**PSY 799 Doctoral Dissertation Research 1-24**

Individual direction in the development and execution of a doctoral dissertation.

**PSY 801 Thesis Extension 1-3**

Thesis Extension.

**PSY 802 Dissertation Extension 1-3**

Dissertation Extension.

**PSY 803 Research Extension 1-3**

## Public Health (HEA)

**HEA 113 Medical Terminology for Public Health Professionals 3**

An examination of medical terminology with an emphasis on terms related to prevention, diagnosis, and treatment of acute and chronic health conditions.

**HEA 201 Personal Health 3**

Study of determinants of healthful and safe living for various age groups; emphasis on analyses and interpretations of research methods and findings within a social ecological conceptual framework.

**MAC:** MAC Health and Wellness

**Notes:** Fulfills teacher licensure requirements. Elective for all others.

**HEA 202 Introduction to Peer Health Education 3**

Study of health issues integrating methods of peer education, preparing students through experiential learning to serve the university community as peer educators. Four tracts: sexual health; alcohol and other drugs; wellness; diversity.

**Prerequisites:** Freshman or Sophomore standing.

**HEA 203 Peer Health Education: Selected Topics 1**

Continued study in one of four tracts of health topics: sexual health, alcohol and other drugs; wellness; diversity. Students utilize and demonstrate methods of peer health education.

**Prerequisites:** HEA 202.

**Notes:** May be repeated twice for a total of three (3) credits.

**HEA 210 Public Health and Film 3**

Addresses critical issues in public health as they are portrayed in film. Emphasis on narrative storytelling as a method of engagement and exploration of ethics in public health.

**MAC:** MAC Health and Wellness

**HEA 213 Human Body Systems: Anatomy and Physiology for the Public Health Professional 3**

Through the course, students will be introduced to an audio-visual introduction to concepts of human body structure and function. Emphasis on principles of anatomy and physiology that are foundational to understanding public health diseases and conditions.

**Prerequisites:** Public Health Education Majors only.

**HEA 231 Athlete Health and Sport Performance 3**

This course will address the prevention of acute and chronic effects of health issues on athlete health and sport performance within various socio-ecological systems that athletes operate within.

**HEA 260 Human Sexuality 3**

Study of psychosocial, biological, cultural, and developmental research aspects of human sexuality emphasizing methods of sexuality research, relationships, gender issues, intimacy, sexual response, reproduction, exploitation, and dysfunctions.

**MAC:** MAC Health and Wellness

**HEA 307 Global Health 3**

Study of disease burden and health systems in high-, middle-, and low-income countries. Emphasis on challenges and public health and entrepreneurial approaches to improvements in resource-constrained and emerging nations.

**Notes:** Same as ENT 307.

**HEA 308 Introduction to Public Health 3**

Introduction to public health terminology, history, core disciplines, professional roles and services. Overview of current public health challenges and impact of the public health efforts on population health.

**Prerequisites:** Public Health Education major or permission of instructor.

**HEA 310 Mental Health and Well-Being 3**

Study of mental health issues and emotional well-being emphasizing mental disorders, stigma, and disparities in intervention approaches. Also covers social, emotional, and spiritual health and wellness.

**HEA 312 Public Health and Healthcare Systems in the US 3**

Study of how the public health system and the health care system interact to influence society's health. Differential impact on stakeholders, costs, insurance, health reform, health promotion through policy.

**Prerequisites:** HEA 308, HEA 315.

**HEA 314 Public Health Diseases 3**

Focus on biological concepts and biomedical terms associated with public health disease conditions. Emphasis on etiology, pathogenesis, diagnosis, treatment, risk factors, and their impact on prevention and control.

**Prerequisites:** HEA 213 or concurrent enrollment in HEA 213 or BIO 271 or BIO 277 or KIN 291 or KIN 292 or equivalent. or permission of instructor.

**HEA 315 Epidemiology 3**

Study of the distribution and determinants of disease occurrence with emphasis on application to health education. Prerequisite or

**Corequisites:** Public Health Education major or minor. MAT 115 or STA 108 or higher-level MAT or STA course; or permission of instructor.

**HEA 316 Environmental Health 3**

An analysis of the identification, assessment, and control of environmental health risks. Focus on the effects of specific toxicants and the prevention of their negative impact on health and well-being.

**HEA 325 Public Health Data Analysis 3**

Applied course to develop skills in finding, understanding and analyzing public health data that is essential for needs assessment, program planning, and evaluation. Prerequisite or

**Corequisites:** MAT 115 or STA 108 or higher level MAT or STA course, or permission of instructor.

**HEA 331 Alcohol, Tobacco, and Other Drugs 3**

Analysis of the epidemiological, physiological, psychosocial, and public health considerations of alcohol, tobacco, and other drug use. Emphasis on public health education theory and approaches to prevention, intervention, and treatment.

**HEA 334 Community Health 3**

Overview of complex social, health, and medical problems of modern society, with special emphasis on community programs for solving them. Study of programs of official/voluntary health agencies designed to promote/protect the health of citizens, observed through field trips, discussed by guest lecturers, and studied through other forms of enrichment.

**Prerequisites:** Sophomore standing.

**HEA 338 Safety and First Aid 3**

Study of factors essential to safety in home, school, and community, with emphasis on First Aid and emergency care knowledge and skills. Cardiopulmonary Resuscitation (CPR) included.

**Notes:** Students may not take both HEA 236 and HEA 338 for credit.

**HEA 339 Introduction to Public Health Education Practice 3**

Meetings with health educators and field trips to introduce students to the application of health education principles. Course is the first in a sequence of four experiential courses.

**Prerequisites:** HEA 308. or permission of instructor;

**Corequisites:** HEA 308.

**HEA 340 Community Observation and Assessment 3**

Process for working within a community or population to assess its health needs and assets. Focus on cultural competence, knowledge of community agencies and gatekeepers, and community data collection methods.

**Prerequisites:** HEA 308. HEA 314; HEA 315; HEA 339; admission to the PHTH major, Community Health Education concentration; or permission of instructor; Pr. or Coreq.: HEA 325.

**HEA 341 Health Pedagogy for Elementary School Teachers 1.5**

Introduction to the design and implementation of learning tasks that demonstrate the importance of proper nutrition, promotion of healthy relationships, consequences of substance abuse, and prevention of accidents and injuries.

**Prerequisites:** Acceptance into Teacher Education Program.

**HEA 350 Race, Ethnicity, and Health 3**

This course considers the implications of both race and ethnicity for understanding health determinants, as well as policy and programming for addressing population level health concerns.

**HEA 366 Community Health Interventions I 3**

Theory and practice in planning and using health education strategies for individuals and small groups.

**Prerequisites:** HEA 308, HEA 314, HEA 315, HEA 339. admission to a professional program for community health education concentration; or permission of instructor; Pr. or Coreq.: HEA 325.

**HEA 405 Program Planning and Evaluation 3**

Methods used by health educators to respond to health problems and opportunities. Emphasis on comprehensive program planning that includes assessment, community involvement, intervention selection and development, implementation, and evaluation.

**Prerequisites:** HEA 340 and HEA 366. admission to professional program for community health education concentration; or permission of instructor;

**Corequisites:** HEA 466.

**HEA 412 Community Health Organizations 3**

Study of the structure and operation of community health organizations.

**Prerequisites:** HEA 308, HEA 314, HEA 315, HEA 316, and HEA 325. or permission of instructor.

**HEA 426 Internship Planning 3**

Professional preparation, planning, and placement practicum for the 400-hour supervised internship experience (HEA 428). Should be taken one semester prior to HEA 428.

**Prerequisites:** HEA 339, HEA 340, HEA 366. admission to professional program.

**HEA 428 Health Education Internship (Fieldwork IV and Seminar) 9**

Experience in using public health education techniques and practices in a community organization/agency. Emphasis on functioning as a professional health educator under supervision.

**Prerequisites:** HEA 340, HEA 366, and HEA 466. PUBH major with Community Health education concentration or permission of instructor; overall 2.50 GPA; grade of C or better in all required HEA courses;

**Notes:** Minimum 320 contact hours. Grade: Pass/Not Pass (P/NP).

**HEA 433 Gender and Health 3**

This course considers the implications of both gender and biological sex for understanding health determinants as well as policy and programming for addressing population level health concerns.

**HEA 435 Introduction to Health Coaching 3**

Using socio-behavioral theory and communication techniques to understand health behaviors, the context in which they occur, and how to help people reach their optimal health through self-management and lifestyle changes.

**HEA 447 Income, Social Status, and Health 3**

This course considers the population health implications of income and social status as structural determinants of health. Policy and program interventions will be explored as practical solutions.

**HEA 450 Current Health Problems 3**

Examination of selected health problems and/or populations that are of current pertinence. Populations and/or problems will be explored within the context of their impact on society.

**HEA 466 Community Health Interventions II 3**

Theory and practice in selecting, developing and implementing community-level interventions to improve the health of individuals and communities.

**Prerequisites:** HEA 308, HEA 314, HEA 325, HEA 339, HEA 340, HEA 366. admission to the professional program for community health education concentration; or permission of instructor.

**HEA 470 Adolescent Health 3**

Survey of adolescent health problems and needs. Focus on epidemiological trends, behavioral and social etiological factors, and public health interventions to reduce specific adolescent health problems.

**Prerequisites:** Junior or senior standing.

**HEA 471 Immigrant and Refugee Health 3**

Overview of issues affecting health promotion among immigrant and refugee populations. Focus on migration, dislocation, resettlement, adjustment, historical, epidemiological, behaviors, cultural, socioeconomic, and political factors, and interventions to address needs.

**Prerequisites:** Junior or senior standing.

**HEA 475 Independent Study 1-3**

Intensive work in an area of special interest in health education. Available to qualified students on recommendation of academic advisor and instructor.

**Prerequisites:** Demonstrated competency for independent work and permission of academic advisor and instructor.

**Notes:** May be repeated once for credit.

**HEA 490 Capstone Experience 6**

Capstone experience designed to apply knowledge and skills from core areas of public health using a problem-based approach to address public health challenges.

**Prerequisites:** HEA 308, HEA 314, HEA 315, HEA 316, HEA 325, HEA 350, HEA 433, HEA 447. PHTH major: Health Studies Online concentration.

**HEA 601 Foundations of Public Health 3**

Examination of public health and health education, principles underlying health education practice, and the roles and responsibilities of a community health educator.

**Prerequisites:** Admission to the M.P.H. program or permission of instructor.

**HEA 602 Epidemiology Methods 3**

Overview of basic epidemiologic concepts and methods used to understand the distribution of health and disease in populations. Focus is on application to community health education.

**Prerequisites:** HEA 601, HEA 604.

**HEA 603 Community Health Analysis 3**

Assessment of community structure, residents, organizations and associations, to determine health-related capacities, needs, and interests. Emphasizes the use of both primary and secondary data sources for community analysis.

**Prerequisites:** Admission to the MPH program or permission of instructor.

**HEA 604 Quantitative Methods 3**

Introduction to statistical concepts and descriptive and inferential statistics. Applied course with a focus on accessing public data sets, interpreting published results, using statistical software, and disseminating health information.

**Prerequisites:** Admission to the M.P.H. program or permission of instructor.

**HEA 607 Determinants of Health 3**

Examines how biology, behavior, psychology, culture, and the environment affect population-level health with an emphasis on social, political, economic contexts and structural/institutional bias, racism, and discrimination.

**Prerequisites:** Admission to the MPH program or permission of the instructor.

**HEA 608 Environmental Health 3**

Analysis of local, national, and international environmental issues influencing the health of individuals and communities; air and water quality, waste management, disease control, occupational settings, population, and environmental planning.

**HEA 609 Community Health Interventions 3**

Overview of theories, successful intervention strategies, and methods of implementation across the social ecology and their application to the development of health education programs.

**Prerequisites:** HEA 601, HEA 603, HEA 604, HEA 608. Pr. or Coreq.: HEA 602.

**HEA 612 Management of Community Health Organizations 3**

Analysis and skill development in management of community health organizations, including self-reflection, planning, staffing, marketing, building and managing agency and community teams. Literature reviews, community interviews, case study and experiential analysis.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 614 Assessment and Program Planning II 3**

Provides development of essential skills in community health assessment and program planning. Emphasis is on the application of skills in different settings and across social ecological levels.

**Prerequisites:** HEA 618 and HEA 619. Admission to the MPH program or permission of the instructor.

**HEA 615 Systems, Leadership, and Policy II 3**

Application of the policy-making processes and issues at the organizational level. Focus on using systems thinking tools in leadership and management as well as in policy analysis.

**Prerequisites:** HEA 618 and HEA 619. Admission to the MPH program or permission of the instructor.

**HEA 616 Workplace Health Promotion 3**

Public and private worksite health promotion programs. Skills and knowledge to oversee the planning, implementation, and evaluation of these programs. Links to employee benefits and successful programs to be critically examined.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 618 Assessment and Program Planning I 3**

Introduction to methods of community health assessment and program planning. Application of methods through case studies and direct experience.

**Prerequisites:** HEA 601 and HEA 621. Admission to the MPH program or permission of the instructor.

**HEA 619 Systems, Leadership, and Policy I 3**

Provides an overview of health policy issues and analyses using systems thinking tools. Introduces leadership and advocacy skills for engaging communities in health policy change.

**Prerequisites:** HEA 601 and HEA 607. Admission to the MPH program or permission of the instructor.

**HEA 621 Public Health Theories and Strategies 3**

Foundations in public health theories and theoretical thinking; major interventions and strategies in community health education; linking theories, health issues, and strategies.

**Prerequisites:** Admission to the MPH program or permission of the instructor.

**HEA 622 Social Epidemiology 3**

Content, methods, and theory of social epidemiology.

**Prerequisites:** Pr. or Coreq: HEA 602, HEA 604.

**HEA 623 Assessment and Program Planning II 3**

Provides development of essential skills in community health assessment and program planning. Emphasis is on the application of skills in different settings and across social ecological levels.

**Prerequisites:** HEA 618 and HEA 619, admission to the M.P.H. program, or permission of the instructor.

**HEA 624 Systems, Leadership, and Policy II 3**

Application of the policy-making processes and issues at the organizational level. Focus on using systems thinking tools in leadership and management as well as in policy analysis.

**Prerequisites:** HEA 618 and HEA 619, admission to the M.P.H. program, or permission of the instructor.

**HEA 625 Evaluation Methods 3**

Standards of and methods in the evaluation of community health education programs and policies. Focus on connecting tools and techniques of evaluation to assessment, program planning, and community engagement.

**Prerequisites:** HEA 602, HEA 604.

**HEA 630 Foundations of Health Coaching 3**

Theories, vocabulary, philosophies, tools, and core skills essential to becoming a certified health coach. Emphasis on supporting client's behavior change through a coaching spirit, change framework, and effective communication strategies.

**Prerequisites:** Admission to the M.P.H. or Ph.D. program in Community Health Education or permission of the instructor.

**HEA 631 Introduction to Athlete Well-Being 3**

Examination of the interconnectedness of sport and society, the culture of sport, and human development across and within multiple complex systems.

**HEA 632 Social Determinants of Athlete Well-Being 3**

Consideration of athlete well-being through a Social Determinants of Health lens, critically examining cognitive, sociocultural, system-level risk and protective factors that promote or inhibit athlete well-being.

**Prerequisites:** HEA 631.

**Corequisites:** HEA 631.

**HEA 633 Applied Concepts in Athlete Well-Being 3**

Case study-based course that prepares students to compare and contrast as well as assemble evidence-based strategies to promote athlete well-being across a variety of sport contexts.

**Prerequisites:** HEA 631, HEA 632.

**HEA 640 Global Health Issues 3**

Examine global health issues with an analysis of the determinants of health status in selected world regions and analyze global prevention efforts. Study of international organizations; roles and programs.

**HEA 645 Health Policy 3**

Health policy process in the US; examination of historical and current health policy issues, and survey of methods for analyzing health policy options.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 648 Applied Program Planning 3**

Methods and models of planning health education programs for various settings.

**Prerequisites:** GPA of 3.0 or better, HEA 609 and HEA 645, or permission of instructor.

**HEA 650 Community Health Internship/Practicum 6**

Supervised experience in the observation, delivery, and evaluation of health education services in community settings.

**Prerequisites:** GPA of 3.0 or better and HEA 648, or permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**HEA 662 Gender and Health 3**

Health issues and health problems with respect to gender differences, similarities and historical conceptions.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 665 Violence and Public Health 3**

The origins and epidemiology of violence, factors influencing our social response to violence and role of public health professionals in a community response. Literature and field-based analysis.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 671 Immigrant and Refugee Health 3**

Overview of health status of immigrant and refugee populations. Focus on migration, resettlement, adaptation, epidemiological, behavioral, cultural, socioeconomic, legal, and political factors impacting health, and interventions to address needs.

**Prerequisites:** Admission to a graduate program in public health education or permission of instructor.

**HEA 676 Problems Seminar 3**

Specific course title identified each semester by a subscript, e.g., Problems Seminar. Professional Literature in Health Education.

**Prerequisites:** Previous course work in appropriate content areas or permission of instructor.

**Notes:** May be repeated for credit.

**HEA 695 Independent Study 1-3**

Intensive study in an area of special interest in health education.

**Prerequisites:** Demonstrated competency for independent work and permission of departmental academic advisor and the instructor.

**Notes:** May be repeated for credit.

**HEA 700 Foundations of Public Health 3**

Examination of public health and health education, principles underlying health education practice, and the roles and responsibilities of a community health educator.

**Prerequisites:** Major in the Public Health Education department or permission of instructor.

**HEA 701 Promoting and Protecting Health through Entrepreneurship 3**

Introduction to Federal Small Business Research grant mechanisms for entrepreneurial research. Preparation of a grant proposal for submission to NIH, CDC, or Department of Education.

**Notes:** Same as ENT 701.

**HEA 702 Professional Grant Writing for Community Organizations 3**

Theoretical and applied avenues to learning Professional Grant Writing for Health and Human Service Organizations in the Community.

**Prerequisites:** Enrolled graduate students in the School of HHS, or permission of instructor.

**Notes:** Same as HHS 702.

**HEA 703 Community Health Analysis 3**

Assessment of community structure, residents, organizations and associations, to determine health-related capacities, needs, and interests. Emphasizes the use of both primary and secondary data sources for community analysis.

**Prerequisites:** Major in the Public Health Education department or permission of instructor.

**HEA 704 Quantitative Methods 3**

Introduction to statistical concepts and descriptive and inferential statistics. Applied course with a focus on accessing public data sets, interpreting published results, using statistical software, and disseminating health information.

**Prerequisites:** Major in the Public Health Education department or permission of instructor.

**HEA 705 Qualitative Methods in Public Health 3**

Qualitative methodology from question formation to dissemination of findings in public health research and evaluation. Includes design, sampling, data collection and analysis.

**HEA 707 Determinants of Health 3**

Examines how biology, behavior, psychology, culture, and the environment affect population-level health with an emphasis on social, political, economic contexts and structural/institutional bias, racism, and discrimination.

**Prerequisites:** Major in the Public Health Education department or permission of instructor.

**HEA 709 Community Health Interventions 3**

Overview of theories, successful intervention strategies, and methods of implementation across the social ecology and their application to the development of health education programs.

**Prerequisites:** HEA 601, HEA 602, HEA 603, HEA 604, HEA 608.

**Corequisites:** HEA 602.

**HEA 710 Epidemiology Methods 3**

Overview of basic epidemiologic concepts and methods used to understand the distribution of health and disease in populations. Focus is on application to community health education.

**Prerequisites:** HEA 700, HEA 704.

**HEA 712 Management of Community Health Organizations 3**

Analysis and skill development in management of community health organizations, including self-reflection, planning, staffing, marketing, building and managing agency and community teams. Literature reviews, community interviews, case study and experiential analysis.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 716 Promoting Worker and Workplace Health and Safety 3**

Methods of assessing and addressing worker and workplace health and safety, including advocating for, planning, and evaluating workplace initiatives within the NIOSH Total Worker Health framework.

**Prerequisites:** HEA 616.

**HEA 717 Practicum in Workplace Wellness 3**

Supervised experience in the creation, delivery, and/or evaluation of wellness programs or services in a workplace setting.

**Prerequisites:** HEA 616 and HEA 716.

**HEA 718 Assessment and Program Planning I 3**

Introduction to methods of community health assessment and program planning. Application of methods through case studies and direct experience.

**Prerequisites:** HEA 700 and HEA 721. Major in the Public Health Education department or permission of instructor.

**HEA 719 Systems, Leadership, and Policy I 3**

Provides an overview of health policy issues and analyses using systems thinking tools. Introduces leadership and advocacy skills for engaging communities in health policy change.

**Prerequisites:** HEA 700 and HEA 707. Major in the Public Health Education department or permission of instructor.

**HEA 721 Public Health Theories and Strategies 3**

Foundations in public health theories and theoretical thinking; major interventions and strategies in community health education; linking theories, health issues, and strategies.

**Prerequisites:** Major in the Public Health Education department or permission of instructor.

**HEA 722 Social Epidemiology 3**

Content, methods, and theory of social epidemiology.

**Prerequisites:** HEA 704, HEA 710.

**Corequisites:** HEA 704, HEA 710.

**HEA 723 Assessment and Program Planning II 3**

Provides development of essential skills in community health assessment and program planning. Emphasis is on the application of skills in different settings and across social ecological levels.

**Prerequisites:** HEA 718 and HEA 719. Major in the Public Health Education department or permission of instructor.

**HEA 724 Systems, Leadership, and Policy II 3**

Application of the policy-making processes and issues at the organizational level. Focus on using systems thinking tools in leadership and management as well as in policy analysis.

**Prerequisites:** HEA 718 and HEA 719. Major in the Public Health Education department or permission of instructor.

**HEA 725 Advanced Community Health Projects 1-6**

Scholarly inquiry project developed by the student with faculty guidance.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a maximum of 6 credit hours. Grade: Satisfactory/Unsatisfactory (S/U).

**HEA 726 Evaluation Methods 3**

Standards of and methods in the evaluation of community health education programs and policies. Focus on connecting tools and techniques of evaluation to assessment, program planning, and community engagement.

**Prerequisites:** HEA 703, HEA 704.

**HEA 735 Topics in Community Health Research 3**

Specific course title identified each semester offered by subtitle (e.g., Organizational Behavior, Women and Girls Health, Applied Research in Communities). May be repeated for credit when topic varies.

**Prerequisites:** Permission of instructor.

**HEA 740 Global Health Issues 3**

Examine global health issues with an analysis of the determinants of health status in selected world regions and analyze global prevention efforts. Study of international organizations, roles, and programs.

**HEA 751 Foundations of Research for Public Health Education 3**

Central issues in the philosophy of social and behavioral science applied to public health. Assumptions, conceptual frameworks, ethics and methodologies necessary to pursue research in community health education are examined.

**Prerequisites:** Admission to Ph.D. program or permission of instructor.

**HEA 752 Quantitative Methods in Public Health 3**

Research methods and ecologic, experimental, and observational research designs in community health education. Topics include advanced study designs, reliability, validity, generalizability, bias, sampling, and power.

**Prerequisites:** HEA 751.

**HEA 758 Advanced Theoretical Basis for Community Health Education 3**

Examination of theories used by health educators to conduct research in organizational, community, or individual change and improvement in health and quality of life.

**Prerequisites:** HEA 609, HEA 751, HEA 752, or permission of instructor.

**HEA 761 Teaching Practicum in Public Health Education 3**

Application of concepts and strategies learned in HHS 703 Teaching Undergraduates in Health and Human Services. Allows for improvement in teaching via weekly reflection and assessments, teaching observations, and discovery and use of appropriate resources to enhance teaching effectiveness.

**Prerequisites:** HHS 703.

**HEA 762 Gender and Health 3**

Health issues and health problems with respect to gender differences, similarities and historical conceptions.

**Prerequisites:** Admission to a graduate degree program or permission of instructor.

**HEA 765 Advanced Program Evaluation in Public Health Education 3**

Advanced education in program evaluation, evaluation designs, and their application to complex public health interventions. Emphasis on evaluation practices relevant for Community-Based Participatory Research programs in public health education.

**Prerequisites:** Pr. or Coreq.: HEA 602, HEA 604, HEA 622, HEA 751, HEA 752, HEA 753.

**HEA 776 Problems Seminar 3**

Specific course title identified each semester by a subscript, e.g., Problems Seminar: Professional Literature in Health Education.

**Prerequisites:** Previous course work in appropriate content areas or permission of instructor.

**Notes:** May be repeated for credit.

**HEA 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**HEA 803 Research Extension 1-3**

Research Extension.

# Religious Studies (REL)

## REL 100 Introduction to World Religions 3

This course introduces major religious traditions, including Hinduism, Buddhism, Confucianism, Daoism, Judaism, Christianity, and Islam. We will begin with a brief survey of theoretical approaches to the study of religion. Topics of study will include each tradition's historical origins, conceptions of the sacred, rituals and practices, and contemporary trends.

**MAC:** MAC Global and Intercultural

## REL 101 Introduction to Religious Studies 3

Inquiry into religion through consideration of forms, patterns, categories, symbols, and practices which characterize various religious experiences.

**MAC:** MAC CritThink Hum and Fine Art

## REL 102 Faith, Culture, and Community in Greensboro 3

Introduces students to study of religion, with emphasis on religious/cultural diversity in Greensboro/Guilford County. It provides students with an understanding of major religious/cultural groups in the area through site visits, readings, lectures, and guest speakers, as well as develops foundational college skills and familiarity with key programs on campus.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

## REL 103 Sex, Death, and Spirituality 3

Evaluates answers to the question, "Is love stronger than death?" Examines love, death, and the body in thinkers belonging to one or more religious traditions. May be repeated if topic changes.

**MAC:** MAC CritThink Hum and Fine Art

## REL 104 Religion, Ritual, and the Arts 3

A study of how myths and stories are used in ritual and the arts. The specific traditions treated will vary.

**MAC:** MAC Global and Intercultural

## REL 105 Islam and Popular Culture: Ms. Marvel, Movies, and Hip-Hop Hijabis 3

Explores how Muslim Americans express their religious identities through comic books, hip hop, movies, and other forms of popular culture.

**MAC:** MAC Diversity and Equity

## REL 108 Religion and Food 3

This course will explain and compare Hindu, Jain, Christian, Jewish and Muslim foodways and evaluations of food. In the process of this comparative study, we will appraise how each of tradition conceptualizes wellness, and evaluates eating, feeding, overeating, dieting and fasting to promote or impede upon wellness.

**MAC:** MAC Health and Wellness

## REL 109 Religion and Popular Culture 3

This course introduces critical issues in and approaches to religion and popular culture from around the world. Examining a series of case studies drawn from film, television, popular music, video games, and consumer culture, it considers what counts as religion and how people use spirituality in their daily lives.

**MAC:** MAC Global and Intercultural

## REL 111 Introduction to Asian Religion 3

Comparative study of Asian religions and their contributions to modern religious self-understanding, focusing critically and evaluatively on such patterns of expression as myth, ritual, and social forms.

**MAC:** MAC Global and Intercultural

## REL 112 Spirituality, Health, and Wellness 3

This course examines the intersections of spirituality, health, and wellness across diverse cultures and religious traditions.

**MAC:** MAC Health and Wellness

## REL 113 Supernatural Encounters 3

Concepts of the "supernatural" have shaped religious imaginaries of cultures/societies throughout history. To gain insights into historical/cultural contexts of these concepts, this course surveys beliefs/practices associated with supernatural beings and forces. The scope of this survey will include, but not be limited to Eastern, Western, and Indigenous Religions.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

## REL 115 Religion and Science 3

This course is a study of the relationship between religion and science. Primary but not exclusive emphasis will be placed on the religion-science debates as they have developed in relation to modern science and understandings of Western theism.

**MAC:** MAC Diversity and Equity

## REL 132 Religious Diversity in America 3

American religion has been defined by immigration and new religious movements, creating a staggering array of religious communities in the United States. This course introduces the diversity of religions in the United States and focuses on the difference between encounter, tolerance, religious creativity, and pluralism.

**MAC:** MAC Diversity and Equity

## REL 190 Introduction to Scriptural Language 1-3

Introduction to the language of a major scriptural tradition, such as Hebrew, Chinese, Tibetan, or Sanskrit. Emphasis on writing system, grammar, and vocabulary.

**Notes:** May be repeated when topic changes.

## REL 201 The Bible in Western Culture 3

Study of significant themes and issues in the Bible and their expression in the religious literature and history of Europe and America.

**MAC:** MAC CritThink Hum and Fine Art

## REL 202 Hebrew Bible 3

Study of the Hebrew scriptures (the Old Testament) in historical, sociological, and literary context.

**MAC:** MAC Global and Intercultural

## REL 204 New Testament and the Origins of Christianity 3

Study of the New Testament texts in their historical, sociological, and literary contexts.

**MAC:** MAC Global and Intercultural

## REL 207 Critical Thinking about Religion, Faith and Spirituality: Selected Topics 3

Exploration of ways in which religion, faith and spirituality have been understood in the context of the eclipse of religion in Western culture from the Enlightenment to the present.

**MAC:** MAC CritThink Hum and Fine Art

## REL 209 Elements of Christian Thought 3

Investigates the coherence of Christian accounts of such topics as incarnation, trinity, creation, evil, sacraments, the body, and salvation.

**MAC:** MAC Global and Intercultural

## REL 210 Christianity to the Reformation 3

Study of classic Christian texts, symbols, rituals, and social movements to the dawn of the Reformation.

**MAC:** MAC Global and Intercultural

**REL 212 Christianity from the Reformation to the Present 3**

Examination of a range of themes in the history of Christian thought from the sixteenth century to present, through reading of a variety of texts representative of Christian traditions.

**MAC:** MAC Global and Intercultural

**REL 215 Judaism 3**

Introductory study of Judaism, its history, texts, life, and thought.

**MAC:** MAC Global and Intercultural

**REL 217 The Synagogue 3**

The synagogue has been and remains the center of Jewish life. This course will explore the nomenclature, history, architecture, art, and literature of the synagogue in ancient, medieval, and modern times.

**REL 218 Chinese Religion 3**

A study of the religions of China in the classical and modern periods focusing on thought, ritual, social structure, and aesthetics.

**REL 220 East Asian Religions 3**

A study of the religions of East Asia in the classical and modern periods focusing on thought, ritual, social structure, and aesthetics.

**MAC:** MAC Global and Intercultural

**REL 221 Buddhism 3**

Introduction to the origin, development, and impact of Buddhism in Asian cultures. Focus on religious doctrines, forms of community, religious practices, techniques, art and iconography, and the implications of the Buddhist perspective for the contemporary world in both Asia and the West.

**MAC:** MAC Global and Intercultural

**REL 223 Hinduism 3**

Introduction to the Hindu religious tradition, its myths, rituals, music, social structure, and philosophical thought.

**MAC:** MAC Global and Intercultural

**REL 224 Yoga: Theory And Practice 3**

This course will introduce the broad array of mental and bodily disciplines and philosophies that fall under the term "yoga". Exploring foundational texts and contemporary yoga communities, we will identify and compare how various strands of yoga understand, define and pursue holistic wellness through bodily and mental disciplines.

**MAC:** MAC Health and Wellness

**REL 225 Islam 3**

Introduction to origins of Islam and its development as a world religion focusing on doctrine, ritual practices, and community structures.

**MAC:** MAC Global and Intercultural

**REL 226 Approaches to the Qur'an 3**

Study of significant themes and stories of the Qur'an, with an emphasis on diversity of interpretations.

**MAC:** MAC CritThink Hum and Fine Art

**CIC:** CIC College Writing

**REL 229 Introduction to African American Religions 3**

Examination of the diverse beliefs and practices of African American religious traditions and their development in the Americas.

**MAC:** MAC Diversity and Equity

**REL 230 Introduction to the Cultural Study of Videogaming 3**

This course analyzes video gaming and esports cultures and values, as well as how they interact with society in general. This course teaches students the history, methodology, and theoretical approaches to videogaming and esports from various fields and disciplines.

**REL 231 Religion in America 3**

Diverse religious traditions and thinkers that have played a significant role in the history of the United States from Native American beginnings to the present.

**MAC:** MAC Diversity and Equity

**REL 233 Witches, Spirits, and Metaphysicalism in America 3**

This course focuses on the traditions of paganism, the occult, and metaphysicalism in the US. We will learn about New England witches, Black conjure, spiritualist seances, and the flowering of New Age and Neopaganism in the twentieth century. We will also consider how these traditions relate to institutional religion.

**MAC:** MAC CritThink Hum and Fine Art

**CIC:** CIC College Writing

**REL 234 Religion and Race in the Americas 3**

This course focuses on race as a component of religious experience as well as the role of religion in "racialization." We will focus on the Iberian categories of "bad blood," Afro-Atlantic religions, Nation of Islam, Mormons and whiteness, and the role of Christianity in American white supremacy.

**MAC:** MAC Diversity and Equity

**REL 236 Politics and Religion 3**

This course examines politics and religion in North America, Europe, and Asia. The class also focuses heavily on building foundational academic skills and acquainting students with university services and learning resources.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**REL 240 Modern Judaism 3**

A survey of key topics in modern Judaism.

**REL 241 Jewish Medical Ethics 3**

This course explores topics in contemporary Jewish Medical Ethics, including maintaining health, bodily integrity, vaccination, mental health, genetic testing, contraception and abortion, and end of life care.

**MAC:** MAC Health and Wellness

**REL 242 Jews, Bodies, Race 3**

This course explores global Jewish diversity, perceptions of Jewish bodies, and past and present uses of the terms "Jew" and "Hebrew" as racial categories.

**MAC:** MAC Diversity and Equity

**REL 245 Video Games and the Problem of Evil 3**

Using a wide range of topics, analytical theories and methods, as well as ethical perspectives, the course introduces students to the concept of evil, digital media, networked society and consumer culture through the critical interpretation of video gaming.

**MAC:** MAC CritThink Hum and Fine Art

**REL 247 Fandom and Religion: Rituals, Texts, Communities 3**

Drawing on conceptual frameworks and case studies, students in this course will examine parallels between religion and fandom to identify and explore how fandoms may resemble, constitute or replace religion in contemporary life.

**MAC:** MAC Written Communication

**REL 248 Comparative Religious Ethics 3**

Comparative study of the ethical teachings of two or more Western and non-Western religious traditions focusing on the diversity within and among traditions and their effects on modes of life.

**REL 249 Religion and Public Health 3**

This course examines both the compatibility and conflict between religious perspectives and the scientific foundations of public health. Emphasis will be focused on the cultural influence of religion on individual and community attitudes toward health care practices and how these influence achieving and maintaining public health goals.

**MAC:** MAC Health and Wellness

**CIC:** CIC College Writing

**REL 250 Religious Traditions and Care of the Earth 3**

Examination of the thought, ethics, and practice of major religious traditions and worldviews with regards to the care of the earth. Emphasis on non-Western, indigenous, and ecofeminist traditions.

**MAC:** MAC Diversity and Equity

**REL 251 Topics in Religious Social Ethics 3**

Inquiry into the social teachings of diverse religious traditions with respect to such current topics as economic development and social justice, human rights, democracy, freedom, human well-being and the environment.

**Notes:** May be repeated for credit when topic varies.

**REL 254 Religion in Traditional Societies 3**

Study of religion in traditional societies in which the basic question "What is it to be human?" is raised by entering into the diverse symbolic worlds of native Americans, Africans, or others.

**REL 255 Spirituality and the 12 Steps 3**

This course will address Alcoholism and other substance use disorders on society and individuals. The course will critically examine the dynamics of substance use disorder with an emphasis on the history, spirituality, and practice of 12-step recovery as developed by Alcoholics Anonymous. Interfaith influences on the 12-steps will be considered.

**REL 259 Philosophy of Religion 3**

Arguments concerning God's existence, the problem of evil, God's foreknowledge and human freedom, the analysis of divine attributes, immortality and the soul.

**REL 270 Digital Religion 3**

This course examines "digital religion", the ways people use new media technologies to practice religion. This course will prepare students to navigate cross-cultural climates in an increasingly digital world by familiarizing them to the range of ways religious expression takes place.

**REL 275 Religion and Media 3**

Aimed at majors and non-majors alike, this course will provide students both with a conceptual or theoretical understanding of what is "media" and what is "religion", while also working through case studies that explore the wide range of applications for such a study.

**REL 298 Thinking About Religion 3**

Critical reflection on the academic study of religion. Evaluation of theories of religion drawn from the social sciences, humanities, and religious traditions themselves through their application to case studies.

**CIC:** CIC College Writing

**REL 301 Early Christianity 3**

Development of various kinds of Christian beliefs and practices from the second to seventh centuries. Focus on primary sources.

**CIC:** CIC College Writing

**REL 303 Christianity in Byzantium 3**

Explores the formation of Orthodox Christianity from the sixth to the twelfth century. Topics include liturgy, icons, church architecture and decoration, saints' cults, monasticism, and lay practice.

**CIC:** CIC College Writing

**REL 305 Religions of the Greco-Roman World 3**

Study of themes in Judaism, Christianity, and pagan religious movements of the Mediterranean world from Alexander to Constantine.

**CIC:** CIC College Writing

**REL 310 Christianity and the Construction of Gender 3**

Study of the role of categories of male and female in the creation and maintenance of Christian notions of holiness, authority, and hierarchy in historical perspective.

**CIC:** CIC College Writing

**Notes:** Same as WGS 310.

**REL 311 Topics in Biblical Studies 3**

Examination of specific biblical texts, themes, or interpretations in the context of Jewish and Christian religious traditions or in terms of significant literary or historical issues.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topics vary, with permission of instructor.

**REL 312 Judaism and the Construction of Gender 3**

Jewish understandings of gender from ancient to modern times, with focus on law and tradition, roles in the Jewish community, family, sexuality, and Jewish theology.

**CIC:** CIC College Writing

**Notes:** Same as WGS 312.

**REL 313 Topics in Ancient Judaism 3**

Diversity of Judaism in the ancient world; study of major themes, texts, and movements in ancient Judaism; focus on primary texts, material culture, and scholarly approaches.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topics vary, with permission of instructor.

**REL 314 Saint and Society in the Early Middle Ages 3**

Examination of the concept of sanctity and of the rise and function of the veneration of holy men and women in Christian tradition from the fourth to the seventh century.

**CIC:** CIC College Writing

**REL 317 Islam and the Construction of Gender 3**

Study of the role of gendered categories in the creation and maintenance of Islamic notions of piety, authority, and community.

**CIC:** CIC College Writing

**REL 323 Religious Movements and Communities: Selected Topics 3**

Selected topics will bring to bear historical, analytical, theological, and ethical tools to understand religious movements. Faculty and topics will vary.

**CIC:** CIC College Writing

**Notes:** May be repeated when topic varies.

**REL 324 Philosophical Issues in Religion 3**

Modes of philosophical reflection, groups of human conceptuality and their relation to the truth of religious claims.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**REL 330 Major American Religious Thinkers 3**

Topics to vary. Analysis and evaluation of major works by an American religious thinker, e.g., Jonathan Edwards, or works exemplifying a particular intellectual movement, e.g., the Puritan Christian Enlightenment.

**CIC:** CIC College Writing

**REL 332 Contemporary African American Religious Thought 3**

Explores the variety of contemporary African American religious thought: Buddhist, Christian, Islamic, Judaic, and New World Yoruba. The relation between religious racial identities is a primary focus.

**CIC:** CIC College Writing

**REL 333 Religion and Psychology 3**

Presents classic Western and/or Asian psychological theories of religion and shows how various religious traditions understand the human psyche.

**CIC:** CIC College Writing

**REL 334 American Cults 3**

This course will explore the history of schismatic religious groups, anti-cult hysteria, and controlling religious authority in American history by focusing on Jonestown, Waco, and NXIVM. This course asks who gets to call a religion a cult, and whether the term is a useful category for cultural analysis.

**CIC:** CIC College Writing

**REL 336 Native American Religions 3**

In this class we focus on Native American fights for sovereignty and control of sacred lands in the twentieth and twenty-first centuries. We also consider how Native Americans are using religion, ritual, and spirituality as a mode of identity formation in contemporary America.

**REL 337 Enslaved Religion 3**

We will look at how enslaved people remade Christianity and how many enslaved people rejected Christianity and continued to practice their own traditions, from Islam to the Afro-Atlantic religions of the African Diaspora. We will also read cultural theories of "power" in both the material and spiritual sense.

**REL 340 Modern Jewish Thinkers 3**

Analysis and evaluation of major works by a Jewish thinker, e.g., Martin Buber, or works exemplifying a particular intellectual movement, e.g., Jewish existentialism. Topics will vary.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**REL 341 Topics in Jewish Thought 3**

Explores specific topics in Jewish thought. Topics vary and may include studies in mysticism, philosophy, literature, or culture.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**REL 355 The Religious Discourse of Civil Rights 3**

Explores Protestant, Catholic, and Jewish involvement in American racial reform in the twentieth century.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**REL 368 Religion in South Asia: Selected Topics 3**

Selected aspects of religion in South Asia. Possible topics include ritual, myth, festivals, and pilgrimage in Jainism, Islam, Hinduism, Buddhism, or other religions of the Indian subcontinent.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**REL 370 Religions of Iran: Selected Topics 3**

Explores selected aspects of Iranian religions. Possible topics include Zoroastrianism, Sufism, Twelver Shi'ism, and the Babi and Baha'i faiths.

**CIC:** CIC College Writing

**Notes:** May be repeated up to three times as the topic varies.

**REL 371 Topics in Islam: Islamic Thought, Culture, and History 3**

Explores specific topics in Muslim thought, culture, or history. Topics vary and may include studies in hadith, mysticism, philosophy, or literature.

**CIC:** CIC College Writing

**Notes:** May be repeated for up to 9 hours of credit when topic varies.

**REL 375 Religion and Popular Culture: Selected Topics 3**

This course examines the relationship between religion and popular culture. We will read foundational texts in the field of religious studies, explore academic writings on the intersections of religion and popular culture, and watch, listen, discuss, and critically analyze television, film, music, sports, celebrity, and other popular cultural movements.

**CIC:** CIC College Writing

**REL 376 Religion and Media: Selected Topics 3**

This course will select topics relevant to the study of religion and media. Through case studies emerging from traditions of the east and west, historical and contemporary, students will develop skills to articulate how religion and media combine to express and shape human thinking and behavior.

**REL 380 Videogaming and Death 3**

Death has always been a part of videogames: a way of dividing up playtime, effort, and accomplishment. Through a combination of reading about and playing games this course offers a hands-on approach to studying videogaming as an academic pursuit and what that can teach us about death and dying.

**REL 382 Topics in Christian Thought 3**

Examination of an issue in Christian thought or history.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**REL 400 Topics in Religious Studies 3**

Study of role, nature, and function of selected social forms of religious life through cross-cultural comparison or intensive study of one religious tradition.

**Notes:** May be repeated once for credit.

**REL 401 Tutorial 1-3**

Directed program of reading, research, and private instruction.

**CIC:** CIC College Writing

**Prerequisites:** Permission of instructor.

**REL 402 Tutorial 1-3**

Directed program of reading, research, and private instruction.

**Prerequisites:** Permission of instructor.

**REL 403 Tutorial 1-3**

Directed program of reading, research, and private instruction.

**Prerequisites:** Permission of instructor.

**REL 404 Tutorial 1-3**

Directed program of reading, research, and private instruction.

**Prerequisites:** Permission of instructor.

**REL 410 Senior Seminar 3**

Colloquium on a unifying theme or major recent work in Religious Studies. Topic will vary with instructor.

**CIC:** CIC College Writing

**Prerequisites:** REL 298. RELS major; Required of all seniors;

**Notes:** May be repeated for up to 9 hours of credit when topic varies.

**REL 420 Internship in Religious Studies 3**

Practical experience in a variety of professional settings. Includes 10 hours per week at internship site, plus regular meetings with a faculty advisor.

**REL 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**REL 503 Topics in Religious Studies 3**

Study of role, nature, and function of selected social forms of religious life through cross-cultural comparison or intensive study of one religious tradition.

**Notes:** May be repeated once for credit.

**REL 695 Independent Study 1-3**

Directed program of reading, research, and individual instruction.

**Prerequisites:** Permission of department head and instructor.

## Residential College (RCO)

**RCO 100X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**RCO 101 College Writing I 3**

A course in academic writing, focusing on analysis, argument, and critical reflection using the tenets of rhetoric. Instruction in drafting, revising, and compilation of a final portfolio.

**MAC:** MAC Written Communication

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** Equivalent credit to ENG 101 and/or FMS 115. students may receive credit for only one of RCO 101 or ENG 101 or FMS 115.

**RCO 102 College Writing II 3**

A course in research-based writing, focused on analysis, argument, and critical reflection using the tenets of rhetoric. Instruction in research methodologies as relevant to college writing projects.

**MAC:** MAC Written Communication

**Prerequisites:** ENG 101, or FMS 115 or RCO 101.

**RCO 112 Contemporary Topics in Mathematics 3**

Practical mathematical topics including set theory, properties and operations of number systems, algebra, geometry and consumer mathematics. Additional topics may be selected from logic, systems of numeration, and mathematical systems.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** Students may not receive credit for both MAT 112 and RCO 112.

**RCO 114 Elementary Introduction to Probability and Statistics 3**

Survey of statistics intended for undergraduates in any discipline.

Graphical displays, numerical measures, relationships between variables, elements of good data collection. Basic probability, introduction to inferential techniques including confidence intervals and significance testing. Emphasis on statistical literacy.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** Students may not earn credit for both RCO 114 and STA 108. may not be taken for credit by students who have received credit for ECO 250 or ECO 350 or who are concurrently enrolled in ECO 250.

**RCO 115 College Algebra 3**

Algebraic expressions, exponents, radicals, factoring, solving equations and inequalities, graphing, polynomial and rational functions.

**MAC:** MAC Quantitative Reasoning

**RCO 122 Beginning Spanish I 3**

Introduction to Spanish with practice in listening, speaking, writing, and reading. Students may not receive credit for both RCO 122 and SPA 101.

**MAC:** MAC Global and Intercultural

**RCO 133 Residential College Service-Learning Seminar 3**

Focus on community service in readings and field experience. Topics vary relevant to the instructor's area of expertise.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated for credit when topic varies.

**RCO 154 Residential College Seminar in Rhetoric 3**

An introduction to rhetorical theory and practice and broader concepts of literacy, with an intensive focus on transferable writing strategies.

**MAC:** MAC Written Communication

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three times for credit when topic varies.

**RCO 155 Residential College Seminar in the Art of Discourse 3**

An introduction to discourse in global professional, social, digital, and academic contexts, with an emphasis on oral communication and professional written and digital documents.

**MAC:** MAC Oral Communication

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated for credit when topic varies.

**RCO 181 Residential College Foundations Seminar 3**

An intensive focus on the successful transition to UNCG, combining university transition content, information literacy, and transferable skills acquisition to facilitate academic and personal development.

**MAC:** MAC Foundations

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated once for credit when topic varies. Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**RCO 184 Residential College Quantitative Reasoning Seminar 3**

An intensive focus on the application of mathematical reasoning to formulate and solve problems from a variety of contexts and real-world situations.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 185 Residential College Health & Wellness Seminar 3**

An intensive focus on the intersection of health and wellness and information literacy, with explicit instruction in how to understand decisions as they impact the health and wellness of individuals or communities.

**MAC:** MAC Health and Wellness

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 186 Residential College Critical Thinking and Inquiry in the Humanities and Fine Arts Seminar 3**

An intensive focus on foundational tools for reasoning, including constructing sound arguments; evaluating the quality of evidence; and forming judgments about the evidence, arguments, and conclusions of others in Humanities and Fine Arts disciplines.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 187 Residential College Critical Thinking and Inquiry in the Social and Behavioral Sciences Seminar 3**

An intensive focus on foundational tools for reasoning, including constructing sound arguments; evaluating the quality of evidence; and forming judgments about the evidence, arguments, and conclusions of others in Social and Behavioral Sciences disciplines.

**MAC:** MAC CritThink Soc and BehavSci

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 188 Residential College Critical Thinking in the Natural Sciences Seminar 3**

An intensive focus on explaining, predicting, and reasoning about the behavior of natural systems, or the outcomes of observations or measurements; using arguments based on established scientific principles and models; and developing, deepening, refining, or extending concepts, principles, and models to explain natural systems, based on empirical observations.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 189 Residential College Global Engagement and Intercultural Learning Seminar 3**

An intensive focus on knowledge and critical understanding of similarities and differences across world cultures over time, emphasizing the development of global perspectives and skills to engage cross-culturally.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 190 Residential College Diversity and Equity Seminar 3**

An intensive focus on systems of oppression, structures of power, and institutions, with connections to US or global societies and the examination of intellectual traditions that address systems of injustice.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 191 Residential College Data Analysis and Interpretation in the Natural Sciences Seminar 3**

An intensive focus on the role of quantitative data analysis and interpretation of empirical information in the development of scientific theories and models.

**MAC:** MAC Nat Sci Data Analysis

**Prerequisites:** Restricted to students in the Residential Colleges.

**Notes:** May be repeated up to three (3) times for credit as topic varies.

**RCO 192 Residential College Written Communication Capstone 3**

An intensive focus on the teaching and learning of transferable writing strategies, including invention, arrangement, style, and revision.

**MAC:** MAC Written Communication

**Prerequisites:** Restricted to students in the Residential Colleges.

**RCO 193 Residential College Oral Communication Capstone 3**

An intensive focus on student development of oral communication knowledge and abilities, including presenting and interacting in contexts such as public speaking, interpersonal communication, and group communication.

**MAC:** MAC Oral Communication

**Prerequisites:** Restricted to students in the Residential Colleges.

**RCO 202 Residential College Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated once for credit when topic varies.

**RCO 203 Residential College Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 204 Residential College Seminar in Literature and Rhetoric 3**

Study of works of literature and the social and historical contexts from which they come.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 205 Residential College Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 206 Residential College Studies in the Arts 3**

Lecture and/or seminar in the arts.

**MAC:** MAC CritThink Hum and Fine Art

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**RCO 211 Residential College Seminar in Historical Perspectives: Premodern 3**

Historical study of human culture from ancient times to the 17th century.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 212 Residential College Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 213 Residential College Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 214 Residential College Seminar in Literature and Rhetoric 3**

Study of works of literature and the social and historical contexts from which they come.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 215 Residential College Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**MAC:** MAC Diversity and Equity

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 221 Residential College Seminar in Historical Perspectives:****Premodern 3**

Historical study of human culture from ancient times to the 17th century.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 222 Residential College Seminar in Historical Perspectives: Modern 3**

Historical study of human culture from the 17th century to the present.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 223 Residential College Seminar in Philosophical/Religious/Ethical Principles 3**

Study of philosophical, religious, and ethical traditions that have shaped societies in the past and the present.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 224 Residential College Seminar in Literature and Rhetoric 3**

Study of works of literature and the social and historical contexts from which they come.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 225 Residential College Seminar in Social and Behavioral Studies 3**

Study of the interrelationship between individuals and society and of the social and intellectual contexts of events and situations.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 226 Residential College Seminar in Fine Arts 3**

A historical survey of various art form(s) within historical, cultural, and material contexts. Students will explore the art form(s) through historical texts that emphasize artistic technique and production.

**MAC:** MAC Global and Intercultural

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated twice for credit when topic varies.

**RCO 239 Non-Western Fine Arts Seminar 3**

A global historical survey of non-Western art form(s) through an examination of historical, cultural, and material contexts. Students will explore the art form(s) through global historical texts and in-class experiential practice.

**Prerequisites:** Permission of instructor .

**RCO 252 Introductory Concepts in Biology 3**

Introduction to major concepts in biology for students who do not plan to take additional biology courses. Explores basic aspects of biology, including genetics, physiology, and ecology. Specific topics may include conservation biology, biotechnology, and current issues.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** Students may not earn credit for both BIO 111/BIO 112 and RCO 252. Students may not earn credit for both BIO 105 and RCO 252.

**RCO 253 Residential College Seminar in Life Sciences 3**

Conceptual explorations in the life sciences.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**RCO 254 Residential College Seminar in Physical Sciences 3**

Conceptual explorations in the physical sciences.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**RCO 255 Introductory Concepts in Earth Science 3**

Survey of basic concepts and processes. Integration of issues pertaining to environmental sustainability with the nature of the earth's three primary physical systems: the solid earth and continents; the ocean basins and the oceans; and the atmosphere's weather.

**MAC:** MAC CritThink Nat Sci

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** Students cannot earn credit for both GES 103 and RCO 255.

**RCO 273 General Psychology 3**

Survey of psychology. Includes psychology as science, nervous system, growth and development, sensory and perceptual processes, motivation, emotion, learning, social behavior, personality (normal and pathological), statistics, testing, intelligence, aptitudes, and achievement.

**MAC:** MAC CritThink Soc and BehavSci

**RCO 301 Independent Study 1-3**

This course is designed to provide a comprehensive introduction to the nature and structure of research/scholarship in a variety of academic disciplines.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated for credit when topic varies.

**RCO 302 Advanced Study 3**

Advanced-level study.

**Prerequisites:** Permission of instructor. Admission to a Residential College;

**Notes:** May be repeated for credit when topic varies.

**RCO 306 Music in Context 3**

Consideration of musical works in social, artistic, and economic contexts.

**Prerequisites:** Permission of instructor .

**RCO 390 Research Capstone 3**

Locating and using primary and/or secondary source materials, published and unpublished, with an intense focus on the writing process. Variable topics, related to residential colleges' curriculum. Offerings may include digital publications, fieldwork, or professional development research.

**CIC:** CIC College Writing

**Prerequisites:** Permission of instructor. Admission to a Residential College.

## Retailing and Consumer Studies (RCS)

**RCS 264 Fashion Retail Management 3**

Knowledge and skills in retail operation strategy and management. Emphasis will be placed on applications of operation management concepts as well as the role of technology employed to manage inventory.

**RCS 355 Retail Consumer Research 3**

An introduction to reading and evaluating retail consumer data to make key merchandise buying and planning decisions. Analysis of retail consumer data as applied to the development of business strategy.

**Prerequisites:** CARS major.

**RCS 361 Fundamentals of Retail Buying and Merchandising 3**

Investigation of the roles and responsibilities of buyers and managers in retail operations. Fundamentals of merchandise mathematics and buying.

**Prerequisites:** Minimum grade of C (2.0) in both RCS 264 and one of the following: MAT 115, MAT 118, MAT 120, MAT 150, MAT 151, MAT 190, MAT 191, MAT 292.

**RCS 363 Visual Merchandising and Product Presentation 3**

Skill development in product presentation. Conceptualization and implementation of store displays based on an understanding of visual merchandising concepts and theories as well as planning strategies and techniques.

**Prerequisites:** Minimum grade of C (2.0) in both CRS 242 and RCS 264.

**RCS 460 Advanced Retail Buying and Merchandising 3**

Advancing the strategies of inventory acquisition and control. Application of retail math to Excel spreadsheets in planning the assortment plan, six-month merchandise plan, and model stock plans.

**Prerequisites:** Undergraduates: minimum grade of C (2.0) in RCS 361.

Graduate students: permission of instructor.

**RCS 464 Global Retail Strategy and Management 3**

Investigation of consumer benefits offered by multichannel retailing of apparel and related consumer products. Focus on the importance of culture to successful retailing to diverse global consumers.

**Prerequisites:** Minimum grade of C (2.0) in RCS 264.

**RCS 484 Advanced Retail Analysis 3**

Investigation of retailing from a strategic perspective. Concepts are analyzed and integrated into applied problem-solving scenarios focused on consumer needs.

**Prerequisites:** Minimum grade of C (2.0) in RCS 361.

**RCS 560 Advanced Retail Buying and Merchandising 3**

Advancing the strategies of inventory acquisition and control. Application of retail math to Excel spreadsheets in planning the assortment plan, six-month merchandise plan, and model stock plans.

**RCS 584 Advanced Retail Analysis 3**

Investigation of retailing from a strategic perspective. Concepts are analyzed and integrated into applied problem-solving scenarios focused on consumer needs.

**RCS 662 Behavior-Soft Lines Consumers 3**

Study of environmental, individual, and psychological influences on behavior of consumers during the soft lines products consumption process.

## Russian (RUS)

**RUS 101 Elementary Russian I 3**

First course in the introductory-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**RUS 102 Elementary Russian II 3**

Second course in the introductory-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**RUS 203 Intermediate Russian I 3**

First course in the intermediate-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**RUS 204 Intermediate Russian II 3**

Second course in the intermediate-level study of the Russian language and the cultures of the Russian-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**CIC:** CIC College Writing

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Russian are required to take the placement test. Students who are native or heritage speakers of Russian MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**RUS 301 Conversation, Composition, and Grammar Topics 3**

Reading and discussion of unedited Russian texts. Formal and informal writing. Study of grammar and idiom.

**Notes:** Proficiency level: RUS 204 or equivalent.

**RUS 306 Slavic Life and Letters: Topics 3**

Study of Slavic civilization. Emphasis on selected periods, genres such as films, memoirs, folklore, mythology, women's lives, etc. Taught in Russian.

**Notes:** Proficiency level: RUS 204 or equivalent. May be repeated for credit when topic varies.

**RUS 313 Major Authors in Russian Literature 3**

Selected Russian authors read and discussed with attention to literary interpretation and analysis. Selection of authors and periods vary. Taught in English or Russian.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**RUS 314 Major Movements in Russian Literature and Culture 3**

Topics vary, each taking a broad perspective on an important movement, social trend, literary development, or cultural period. Taught in English or Russian.

**CIC:** CIC College Writing

**Notes:** May be repeated for credit when topic varies.

**RUS 315 Twentieth-Century Russian Literature/Translation 3**

Intensive study of the artistic writing in Russia in the 20th century.

Readings cover poetry and prose of Sholokhov, Ilf and Petrov, Pasternak, Evtushenko, Solzhenitsyn, and others. Taught in Russian.

**Notes:** Proficiency level: RUS 204 or equivalent.

**RUS 491 Tutorial 1-3**

Directed program of reading, research, and individual instruction in Russian and Polish language and literature.

**Notes:** May be repeated for credit when topic varies.

**RUS 492 Tutorial 1-3**

Directed program of reading, research, and individual instruction in Russian and Polish language and literature.

**Notes:** May be repeated for credit when topic varies.

**RUS 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

## School of Health and Human Sciences (HHS)

**HHS 105 Introduction to Human Health Sciences 3**

Introduction to healthcare careers, ethical and legal issues and professional standards. Includes introduction to common medical terminology and interprofessional collaboration.

**HHS 110 Bridging Differences through Community Relationships: Health and Human Sciences 1**

Expanding experience of race, gender, ethnicity, social class, and/or other identities through developing relationships in community settings related to health and human sciences.

**Notes:** Open to all undergraduates. Grade: Pass/Not Pass (P/NP).

**HHS 120 College, Career & Life (Part I) 3**

Preparing students for the realities of college, career and life. Topics include current events, financial literacy, personal branding, life design, multiculturalism, and identity development.

**Prerequisites:** First-year college students and Middle College students and written permission.

**HHS 125 Design Your Life I: What Could I Do With My Life? 1**

Develop essential knowledge and skills to enhance personal and academic success, with emphasis on self-awareness, self-management, interdependence, and self-responsibility.

**Notes:** May be repeated once for a total of 2 s.h.

**HHS 131 College, Career & Life (Part II) 3**

Prepares students for the realities of college, career and life. Topics: personal and academic success; higher education decision-making; reliance on self and establishing routes from college to career.

**Prerequisites:** First-year college students and Middle College students and written permission.

**HHS 135 Design Your Life II: Redesign a Life You'll Love 1**

Students identify meaningful learning opportunities based on purpose, mission, dreams, and vision; create specific projects to move toward a desired state; and then engage in coaching techniques to accomplish projects.

**Notes:** May be repeated once for credit.

**HHS 140 College, Career & Life (Part III) 3**

Prepare students for the realities of college, career and life - with emphasis on career focused goal-setting. Topics: fiscal responsibilities & solutions; career goal planning; meaningful work.

**Prerequisites:** First-year college students and Middle College students and written permission.

**HHS 150 Design your Life III: Enhancing Personal and Academic Success 3**

Develop essential knowledge and skills to enhance personal and academic success, with emphasis on campus resources and services as explored through self-awareness, self-management, interdependence, and self-responsibility.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**HHS 220 HHS Careers: Introduction to Observation 3**

Expanding knowledge of healthcare through hands-on practice and through describing, analyzing and interpreting works of art and clinical images.

**HHS 240 Introduction to Interprofessional Education and Practice 3**

This course provides an introduction to Interprofessional Education and Practice (IPE/IPP) emphasizing the central principles of interprofessional practice and the importance of effective interdisciplinary collaboration within the health sciences.

**HHS 250 Purpose-Driven Entrepreneurship 3**

Students will engage in exercises to understand their purpose, develop a plan to create self-employed, meaningful work, and learn strategies to stay connected to the self and the world.

**Notes:** May be repeated once for credit. Business project must be different than project completed the first time taking the course; Same as ENT 250.

**HHS 275 Entrepreneurial Personal Branding 3**

Students will have a better understanding of the entrepreneurial mindset, how to use entrepreneurship strategies personally, and how to best brand and uniquely market themselves.

**Notes:** Same as ENT 275 and IPS 275.

**HHS 340 Seminar in Interprofessional Education and Practice 3**

Application of principles of interprofessional practice and education (IPP and IPE) through case studies and hands-on experiences.

**Prerequisites:** HHS 240.

**HHS 360 Healthcare Policy 3**

This course employs a dual focus on the reach and consequences of healthcare policy and explores how healthcare policy impacts healthcare access, delivery, and outcomes.

**HHS 370 Culturally Relevant Healthcare 3**

This course explores the values and practices associated with cultural competence and cultural humility offering professional examples from within health science professions, also emphasizing critical reflexivity.

**HHS 376 Race, Class and Health Equity: Examining Systems, Power and Institutions in Society 3**

Provides an understanding and definition of racism, power, and privilege; historic and current structures that sustain racism, power, and privilege and how these structures contribute to health inequities.

**Prerequisites:** A grade of C or better in ENG 101 and one of the following courses: CST 105 or CST 207 or CST 341. Junior or Senior standing; or permission of instructor.

**HHS 460 Project Management and Leadership in Healthcare 3**

This course emphasizes integration of project management and leadership to build skills needed for effective and efficient work in healthcare settings.

**Prerequisites:** HHS 360, HHS 370.

**HHS 490 Human Health Sciences Professional and Career Development 3**

Planning and preparation for professional advancement including resume building, interview practice and career exploration.

**Prerequisites:** HHS 105, HHS 220, HHS 340, HHS 360, HHS 370, HHS 440, HHS 460. Junior standing; Human Health Sciences majors only;

**Notes:** Grade: Pass/Not Pass (P/NP).

**HHS 495 Human Health Sciences Capstone 3**

Culminating experience synthesizing interprofessional engagement and equity, diversity, and inclusion in allied health practice.

**Prerequisites:** HHS 490 and permission of instructor.

**Notes:** Grade: Pass/Not Pass (P/NP).

**HHS 554 Exploring Intersections of Latino Individual, Family, and Community Life 6**

This course is an in-depth study of Latina/o culture in Costa Rica.

Students will examine the psychosocial intersections of how individuals, families and communities experience economic, political and gendered lives.

**HHS 600 Qualitative Research Methods for Consumers 3**

Foundations of qualitative methodology, exploring the history, philosophy, and epistemologies of qualitative research.

**HHS 601 Qualitative Research Methods for Producers 3**

The specific focus is on the choice of methods used in the construction of qualitative research. Students will practice selecting and collecting qualitative data for research skill development.

**HHS 625 Research Methods in the Health and Human Sciences 3**

Research methods and designs for the study of families and individuals across the lifespan. Focus is on application of method to research in the health and human sciences.

**HHS 630 Survey Design: Health and Human Sciences 3**

Survey design and implementation applied to problems in health and human sciences. Topics: maximizing response rates; selecting/writing/evaluating questions for different populations; reliability; validity; layout; modes of survey administration.

**HHS 650 Applied Multiple Regression 4**

Applied instruction on the theoretical underpinnings and assumptions of multiple regression analysis and the valid implementation of this statistical model in testing of meaningful and nuanced research questions and hypotheses.

**Prerequisites:** ERM 680, STA 571, PSY 609, or permission of instructor.

**HHS 654 Ethics in Practice, Teaching, and Research 3**

In-depth coverage of contemporary ethical issues facing practitioners, teachers, and researchers in health and human science fields. Focus on providing the tools necessary for addressing situations requiring ethical decision-making.

**Notes:** Open to master's and doctoral level students.

**HHS 700 Qualitative Research Methods for Consumers 3**

Foundations of qualitative methodology, exploring the history, philosophy, and epistemologies of qualitative research.

**HHS 701 Qualitative Research Methods for Producers 3**

The specific focus is on the choice of methods used in the construction of qualitative research. Students will practice selecting and collecting qualitative data for research skill development.

**HHS 702 Professional Grant Writing for Community Organizations 3**

Theoretical and applied avenues to learning Professional Grant Writing for Health and Human Service Organizations in the Community.

**Prerequisites:** Enrolled graduate students in the School of HHS, or permission of instructor.

**Notes:** Same as HEA 702.

**HHS 703 Teaching Undergraduates in Health and Human Services 3**

Analysis and application of innovative approaches to undergraduate course design, teaching, and evaluation in Health and Human Sciences.

**HHS 725 Research Methods in the Health and Human Sciences 3**

Research methods and designs for the study of families and individuals across the lifespan. Focus is on application of method to research in the health and human sciences.

**HHS 730 Survey Design: Health and Human Sciences 3**

Survey design and implementation applied to problems in health and human sciences. Topics: maximizing response rates; selecting, writing, and evaluating questions for different populations; reliability; validity; layout; and modes of survey administration.

**HHS 745 Cluster and Mixture Modeling 3**

Theoretical underpinnings and assumptions in the application of finite mixture modeling in the study of health behavior, formulation of research questions, and strategies for reporting of results.

**Prerequisites:** HHS 650 or NUR 702 or ERM 681 or permission of instructor.

**HHS 746 Applied Longitudinal Analysis 3**

Theoretical underpinnings and assumptions of statistical techniques for the analyses of data from longitudinal designs, formulation of research questions, and strategies for reporting of results.

**Prerequisites:** HHS 650 or NUR 702 or ERM 681 or permission of instructor.

**HHS 749 Applied Multiple Regression 4**

Applied instruction on the theoretical underpinnings and assumptions of multiple regression analysis and the valid implementation of this statistical model in testing of meaningful and nuanced research questions and hypotheses.

**Prerequisites:** ERM 780 or STA 571 or PSY 609, or permission of instructor.

**HHS 750 Professional Development Seminar 3**

Preparation for academic careers, including expectations for promotion and tenure; effective writing techniques for publishing in academic journals; and planning for the academic job market, job applications, and campus interviews.

**HHS 754 Ethics in Practice, Teaching, and Research 3**

In-depth coverage of contemporary ethical issues facing practitioners, teachers, and researchers in health and human science fields. Focus on providing the tools necessary for addressing situations requiring ethical decision-making.

**HHS 776 Higher Education Administration and Leadership in Health and Human Sciences 3**

Addresses the major areas of responsibilities of a variety of academic administrative roles within a university, from program director and department chair/head to provost, from the base of HHS.

**Prerequisites:** Students must have an administrative mentor who agrees to participate in the practicum section of this course.

**HHS 797 Directed Studies in HHS: Writing NRSA Fellowship Grants 1-3**

In collaboration with faculty sponsor, write an individualized, mentored training plan to support pre-doctoral (F31) or post-doctoral (F32) research and career development. Regular meetings with the faculty sponsor are required.

**Prerequisites:** permission from graduate faculty sponsor who will supervise and evaluate the directed studies activities.

## Social Sciences (SSC)

**SSC 300 Doing Social Sciences 3**

Introductory course for the online SPLS Social Sciences major. Topics include epistemology, theory development, research ethics, study design, data collection, and data analysis.

**CIC:** CIC College Writing

**Prerequisites:** SPLS Social Sciences major. junior or senior standing; or permission of the instructor.

**SSC 300X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**SSC 301 Contemporary Issues in the Social Sciences 3**

Introductory course for the online SPLS Social Sciences major. Analysis of a single contemporary issue using each of the academic disciplines in the SPLS Social Science concentration.

**Prerequisites:** SPLS Social Sciences major. junior or senior standing; or permission of the instructor.

**SSC 350 Inequality in a Changing World 3**

This course introduces major schools of social science theory from several areas of study and applies them to the study and explanation of domestic and global inequality.

**Prerequisites:** SSC 300. SSC 301; 12 s.h. in residence at UNCG (can include SSC 300 and SSC 301); SPLS major with a concentration in Social Sciences.

**SSC 400 Senior Seminar in the Social Sciences 3**

Capstone seminar for Liberal and Interdisciplinary Studies students pursuing the Social Science, Professional Studies, or General Psychology concentration. To be taken in the final year of the major for Social Science, General Psychology, or Professional Studies Concentration students.

**CIC:** CIC College Writing

**Prerequisites:** LINS major and permission of the instructor.

**SSC 400X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**SSC 401 Individual Study in the Social Sciences 1-3**

Directed program of reading and/or research in the Social Sciences. The credits can be used to fulfill either "distribution" or "area of emphasis" requirements.

**Prerequisites:** SSC 300 and SSC 301. permission of instructor and program director;

**Notes:** May be repeated once for credit, for up to 6 s.h.

**SSC 402 Topics in Social Sciences 3**

Online course that examines selected topics in the social sciences in an interdisciplinary fashion. Topics vary by semester.

**Notes:** May be repeated for credit when topics vary.

## Social Work (SWK)

**SWK 215 Introduction to Social Work 3**

Introduction to social welfare programs and social work practice. Topics include: social problems confronting society; societal and community helping resources; social work practice in a changing society. Field observation required.

**SWK 310 Social Work Policy and Restorative Justice 3**

Examination and survey of historical development of the concept of social welfare; analysis of theoretical framework used to organize the study of social welfare services. Develop practices to influence social welfare policies with a focus on human rights, social justice, and restorative justice practices. Supervised volunteer experience required.

**Prerequisites:** Grade of C or higher in SWK 215. major or minor in social work.

**SWK 311 Human Behavior and Social Environment 3**

Emphasis on theories relevant to understanding and influencing change on the societal, organizational, group, and individual levels.

**Prerequisites:** Grade of C or higher in SWK 215 or permission of instructor.

**SWK 315 Social Work, Diversity, and Vulnerable Populations 3**

Examination and understanding of cultural and human diversity with focus on oppressed groups. Students will have the opportunity to learn about broad differences and likenesses among diverse populations and cultures.

**Prerequisites:** Grade of C or higher in SWK 215. major or minor in social work.

**SWK 325 Research in Social Work Practice 3**

Focus on social workers as both consumers and producers of research. Emphasis on using research for needs assessment, evaluation of social work interventions, and creation of new social work knowledge.  
**Prerequisites:** SOWK major. grade of C or better in SWK 215 and grade of C or better in SWK 350 or STA 108 OR concurrent enrollment in SWK 350 or STA 108.

**SWK 350 Introduction to Social Work Data Analysis 3**

Designed to introduce students to the application of basic statistics and data analysis encountered in social work practice. Topics include elementary descriptive and inferential procedures.

**Prerequisites:** concurrent enrollment in SWK 215 OR previous credit for SWK 215.

**SWK 351 Professional Practice With Individuals and Families 3**

Lecture-laboratory course to teach verbal and written practices necessary for conducting the helping interview and other related social work activities. Extensive use of simulated role play experience and instructor/peer feedback.

**Prerequisites:** SWK 215, grade of C or higher in SWK 310 and SWK 311. SOWK major.

**SWK 352 Professional Practice With Groups 3**

This is an introductory course in group practice with the objective to teach students the knowledge and practices which are necessary for group work. The course emphasizes basic theory about groups process, demonstrates the skills necessary for effective practice, and gives students the opportunity to discuss and practice these skills.

**Prerequisites:** SWK 215, grade of C or higher in SWK 310 and SWK 311. SOWK major.

**SWK 405 Environmental Justice: Interdisciplinary Response for Sustainability 3**

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

**Notes:** Same as PCS 406 .

**SWK 410 Selected Topics in Social Work 3**

Opportunity for students to study in depth topic of special interest.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**SWK 410A Sel Tpcs:School Social Work 1-3****SWK 410B Sel Tpc:Soc Serv/Mnt III / Fam 1-3****SWK 410C Sel Tpcs:SWK w/Religious Orgn 1-3****SWK 410D Sel Tpcs:Soc Serv for Ment III 1-3****SWK 411 Social Work Methods With Individuals and Families 3**

Emphasis on knowledge, values, process, and skills in social work practice and introduction to intervention methods with individuals and families.

**Prerequisites:** Admission to field instruction. Grade of C or higher in SWK 315, SWK 325, and SWK 351;

**Corequisites:** SWK 413 and SWK 415.

**Notes:** SOWK major only.

**SWK 412 Social Work Methods With Communities and Organizations 3**

Focus on development of social work practice skills emphasizing delivery of social services in alliance to communities and organizations with an emphasis on social justice and human rights.

**Prerequisites:** SWK 411 with a C or higher.

**Corequisites:** SWK 414 and SWK 416.

**Notes:** SOWK major only.

**SWK 413 Field Instruction I 5**

Educationally directed learning experienced by performing a range of activities related to entry level practice.

**Prerequisites:** SOWK major. grade of C or better in SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, and SWK 351; admission to field instruction;

**Corequisites:** SWK 411 and SWK 415.

**Notes:** Grade: Pass/Not Pass (P/NP).

**SWK 414 Field Instruction II 5**

Continuation of SWK 413. Emphasis placed upon extended application and evaluation in the practice environment.

**Prerequisites:** SOWK major. minimum grade of C or better in SWK 411, SWK 413, and SWK 415;

**Corequisites:** SWK 412 and SWK 416.

**Notes:** Grade: Pass/Not Pass (P/NP).

**SWK 415 Field Instruction Seminar I 1**

Critical review and analysis of application of social work theory in practice setting.

**Prerequisites:** SOWK major. minimum grade of C or better in SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, and SWK 351; admission to field instruction;

**Corequisites:** SWK 411 and SWK 413.

**SWK 416 Field Instruction Seminar II 1**

Continues critical review and analysis of social work theory in practice setting.

**Prerequisites:** SOWK major. minimum grade of C or better in SWK 411, SWK 413, and SWK 415;

**Corequisites:** SWK 412 and SWK 414.

**SWK 422 Comparative Study of Cross-Cultural Social Work Practice 3**

Compares social work, social service programs, and social policies of the U.S. with those of selected other countries throughout the world, emphasizing services for families, children, and vulnerable populations.

**Prerequisites:** SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, and SWK 351. or graduate standing;

**Notes:** May be repeated for credit when topic varies.

**SWK 423 Social Work & Peacebuilding 3**

Focus on social workers utilizing the values of human right and social justice, especially as they apply to social workers being peacemakers and peacebuilders in communities. Examination of the historical and theoretical aspects of peacebuilding and the application of nonviolent theories with communities.

**SWK 427 Human Services for Immigrants and Refugees 3**

A perspective on the history of immigration, its role in the U.S.A., immigrants in North Carolina, their process of integration, cross-cultural competency, and the challenges in services delivery to immigrants.

**Prerequisites:** SWK 351 or permission of instructor.

**SWK 430 Social Agency Program Development 3**

Organization of new agencies or those initiating additional services. Needs assessment, resource development, grant writing, agency operations, and relationships with funding agencies.

**SWK 433 Restorative Justice: Theory and Models 3**

Examines the principles and practices of restorative justice, evaluating the potentials and limitations of restorative methods and interventions in the US and internationally.

**Notes:** Same as PCS 433.

**SWK 451 Independent Study in Social Work 1-3**

Intensive independent study of specialized topics.

**Prerequisites:** Requires written plan, permission of sponsoring instructor, and approval of department head.

**Notes:** May be repeated for credit when topics vary.

**SWK 454 Mental Health Social Work 3**

This course will provide knowledge and skills necessary for practicing effective social work with people who have mental illness and their families.

**SWK 455 Substance Use and Social Work Practice 3**

Introduction to the issues of substance use and addiction and their impact on clients and their families. Social work assessment and intervention methods will be taught.

**Prerequisites:** SWK 325 and SWK 351.

**SWK 470 Social Services for the Aging 3**

Systematic study of social work approaches to providing services to the aging. Focus on current policies, services, and models of practice.

**SWK 479 Gender and Peacebuilding 3**

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

**Notes:** Same as PCS 479.

**SWK 482 School Social Work 3**

Examination and understanding of school social work services with emphasis on professional standards, cultural sensitivity, accountability, and program planning.

**Prerequisites:** SWK 215, SWK 310, SWK 311, SWK 315, SWK 325, SWK 351, senior standing, and SOWK major. or permission of instructor.

**SWK 484 Social Services for Children 3**

Designed for practitioners and students to provide knowledge for working with children and to teach strategies, techniques, and skills for effective treatment.

**SWK 505 Environmental Justice: Interdisciplinary Response for Sustainability 3**

Interdisciplinary exploration of models that address social, economic, environmental justice concerns and their impact on community, economic, and environmental sustainability.

**SWK 510 Selected Topics in Social Work 3**

Opportunity for students to study in depth topic of special interest.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**SWK 551 Special Problems in Social Work 1-3**

Intensive, independent study of specialized topics.

**Prerequisites:** Requires written plan, permission of sponsoring instructor, and approval of department head.

**SWK 555 Substance Abuse and Social Work Practice 3**

Introduction to the issues of substance abuse and addiction and their impact on clients and their families. Social work assessment and intervention methods will be taught.

**SWK 570 Social Services for the Aging 3**

An overview of current issues in the need and delivery of social services to the aging. Students learn skills designed to prepare them for effective practice with older adults and their families.

**Notes:** Same as GRO 570.

**SWK 579 Gender and Peacebuilding 3**

Examines the role of gender, sex, diversity, and power relations in the creation and resolution of conflict and building of peace.

**Notes:** Same as PCS 579.

**SWK 582 School Social Work 3**

Examination and understanding of school social work services with emphasis on professional standards, cultural sensitivity, accountability, and program planning.

**SWK 584 Social Services for Children 3**

Designed for practitioners and students to provide knowledge for working with children and to teach strategies, techniques, and skills for effective treatment.

**SWK 600 Field Instruction and Seminar I 3**

Application of theories and concepts to professional social work practice within a field agency. Seminar assists students to integrate theory and classroom learning into agency practice.

**Prerequisites:** Admission to the JMSW Program.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**SWK 608 Field Instruction and Seminar II 3**

Application of theories and concepts to professional social work practice within a field agency. Seminar assists students to integrate theory and classroom learning into agency practice.

**Prerequisites:** SWK 624.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**SWK 609 Family Theory and Intervention 3**

Introduction to family treatment. Course will include assessment and intervention with families using the structural, strategic, solution-focused, object relations and narrative theoretical intervention approaches.

**Prerequisites:** SWK 624.

**SWK 618 Social Work and Social Justice 3**

This course will teach knowledge and skills students need for social justice work, including advocacy and community organization, within the scope of multicultural clinical practice.

**Prerequisites:** SWK 624.

**SWK 619 Foundations of Clinical Social Work Practice 3**

Introduction to clinical practice theories and skills including human development and personality theories, strength-based perspectives, and an overview of diagnosis and assessment in the service planning process.

**SWK 621 Foundations of Social Work and Social Policy 3**

Explores the history and development of social welfare institutions and social work. Examines the relationships between social problems, social policies, and social work practice from historical and contemporary perspectives.

**Prerequisites:** Admission to the MSW program.

**SWK 622 Social Work Practice with Individuals 3**

Introduction to direct social work practice. Students gain knowledge, skills and values necessary to provide a wide scope of developmental, preventive and therapeutic services to individuals.

**Prerequisites:** Admission to the MSW program.

**SWK 623 Social Work with Groups 3**

Designed to teach group process and strategies, techniques, and skills for working with groups such as support groups and task groups in human services settings.

**Prerequisites:** Admission to the MSW program.

**SWK 624 Social Work Practice and Human Diversity 3**

Examines cultural and social diversity; addresses theoretical and practical dimensions of social work practice with oppressed people of color, women, the aged, the sexually diverse, and the physically disabled.

**Prerequisites:** Admission to the MSW program.

**SWK 626 Social Work Research Methods 3**

Research methodology as it relates to the professional practice of social work. Examines quantitative and qualitative methods as means for solving social problems.

**Prerequisites:** SWK 624.

**SWK 631 Social Work with Individuals: Theory and Practice 3**

Social work assessment and intervention with individuals, including application of developmental theory, personality theories, diagnostic classifications, and social work ethical principles and practice theories.

**Prerequisites:** Admission to the Advanced Standing program option.

**SWK 632 Social Work with Families and Groups 3**

Theories related to group and family dynamics and functioning and social work assessment and intervention with families and groups from a multicultural clinical perspective.

**Prerequisites:** Admission to the Advanced Standing program option.

**SWK 634 Research Designs and Data Analysis for Social Work Practice 3**

Advanced skills in (a) conceptualizing research problems, (b) completing research in the social work domains: needs assessment, program evaluation, and single subject research, and (c) using inferential skills for data analysis.

**Prerequisites:** SWK 626.

**SWK 640 Field Instruction III 5**

Application of theories and concepts to the role of a professional social work practitioner within a field agency. Taken concurrently with SWK 641 Field Seminar III.

**SWK 641 Field Seminar III 1**

Field seminar to be taken concurrently with SWK 640 Field Instruction III; assists student to integrate theory and classroom knowledge into their agency field practice.

**SWK 644 Organizational Context of Clinical Social Work Practice 3**

Focuses on a range of organizational and professional issues social workers encounter as clinicians, service providers, and administrators in diverse clinical settings, with emphasis on culturally responsive social work practice.

**Prerequisites:** SWK 626.

**SWK 647 Field Instruction IV 5**

Application of theories and concepts to the role of a professional social work practitioner within a field agency.

**Prerequisites:** SWK 626.

**Corequisites:** SWK 648 and SWK 653.

**Notes:** Taken concurrently with SWK 648 Field Seminar IV. Grade: Satisfactory/Unsatisfactory (S/U).

**SWK 648 Field Seminar IV 1**

Field seminar to be taken concurrently with SWK 647 Field Instruction IV; assists students to integrate theory and classroom knowledge into their agency field practice.

**SWK 650 Clinical Assessment in Social Work 3**

Skill-building for competency-based assessment and diagnosis using a biopsychosocial social work framework to assess client strengths and disorders.

**SWK 651 Advanced School Social Work 3**

Skill-building for social work practice in the schools with emphasis on culturally sensitive student assessment and intervention, and professional standards and accountability.

**Prerequisites:** SWK 624 and SWK 626 or permission of instructor.

**Corequisites:** SWK 640 or SWK 647 or permission of instructor.

**SWK 652 Advanced Clinical Social Work Practice I 3**

The first of two advanced level courses in clinical social work practice, this course will focus on building competencies in clinical assessment and diagnosis of mental and substance abuse disorders.

**Prerequisites:** SWK 626.

**Corequisites:** SWK 640.

**SWK 653 Advanced Clinical Social Work Practice II 3**

This second advanced clinical practice course will focus on expanding competencies in clinical assessment and diagnosis of mental and substance abuse disorders, as well as applying culturally responsive clinical interventions.

**Prerequisites:** SWK 652.

**Corequisites:** SWK 647.

**SWK 654 Special Topics in Social Work 3**

Opportunity for students to study in depth topic of special interest. JMSW students only or with permission of instructor. Course may be repeated for a maximum of 6 credit hours.

**SWK 678 Black Feminisms/Womanisms Qualitative Research Methods 3**

Examines Black Feminist Theory as a lens for grounding research; applicable across social sciences. Also explores qualitative research methods to help students design studies that center historically oppressed communities.

**Prerequisites:** 9 credit hours of graduate course work.

**SWK 680 Financial Health for Individuals, Families, and Communities 3**

Through this course, students will gain valuable assessment and intervention skills for helping clients address financial problems such as difficulty meeting basic needs, coping with financial emergencies, and managing debt. Students will also learn how to advocate for clients concerning their collective economic concerns and promote community change to advance economic justice. Students will also gain personal finance knowledge they can apply in their own lives.

**Prerequisites:** SWK 621.

**SWK 799 Dissertation 1-6**

Supervision of a faculty committee, to successfully develop a written dissertation proposal, successfully orally defend it before the committee, then write and orally defend the dissertation.

**SWK 802 Dissertation Extension 1-3**

Dissertation extension is ongoing supervision of a faculty committee, to successfully develop a written dissertation proposal, successfully orally defend it before the committee, then write and orally defend the dissertation.

**Prerequisites:** SWK 799.

**SWK 850 Independent Study 1-3**

Intensive independent study of specialized topics.

**Prerequisites:** JPh.D. student or permission of instructor.

**Notes:** Course may be repeated for a maximum of 18 credits.

**SWK 851 Foundations and Theories of Multiculturally Informed Social Work Research 3**

Introduction to foundational theories and approaches to research in social work including critical theories, strength-based perspectives, and multiculturally responsive, theoretical perspectives.

**Prerequisites:** Admission to the Joint Ph.D. Social Work Program.

**SWK 853 Quantitative Methods in Social Work 3**

This course will focus on quantitative methods in social work research as an integral part of problem solving and innovating social work practice and college teaching.

**Prerequisites:** Admission to the Joint Ph.D. Social Work Program.

**SWK 854 Qualitative Methods in a Multicultural Context 3**

This course introduces doctoral students to the field of qualitative research methods in a multicultural context with a particular focus on the operational issues inherent in conducting qualitative research.

**Prerequisites:** Admission to the Joint Ph.D. Social Work Program.

**SWK 855 Quantitative Data Analysis in Social Work 3**

This course includes construction and analysis of data tables, graphs, and charts; interpretation, and application of descriptive and inferential statistics; use of a statistical software program to analyze data.

**Prerequisites:** Admission to the Joint Ph.D. Social Work Program.

**SWK 856 Community-Engaged Research in Social Work 3**

Advanced course in approaches, methodology, and methods associated with community-engaged research and inquiry with an emphasis on developing skills in translational research and participatory action research.

**Prerequisites:** Admission to the Joint Ph.D. Social Work Program and SOWK/SWK 853, SOWK/SWK 854, SOWK/SWK 855.

**SWK 880 Research Planning and Development 3**

Focuses on the elements of planning and conducting research independently. Students will use their individual areas of focus to explore steps in developing a plan for research including establishing a problem statement, reviewing literature, and formulating a methodology in order to explore a selected area of focus.

**Prerequisites:** Completion of the required 33 credits in the Joint Ph.D. program.

**SWK 885 Issues and Trends in Social Work 3**

The purpose of this course is to introduce and critically analyze the current set of Grand Challenges in the social work profession, rethinking them and their relevance to society.

**Prerequisites:** Admission to the Joint Ph.D. in Social Work program.

**SWK 886 Intervention Design to Eliminate Disparities and Promote Social Justice 3**

The focus of this course is on developing analytical skills to design, plan, adapt, and test multiculturally-informed interventions to reduce and eliminate social, health, and/or economic disparities, improve outcomes for vulnerable populations, and promote social justice through healthcare, education, human services, and community settings.

**Prerequisites:** Permission of instructor for master's students. SWK 851 for Joint Ph.D. students. None for other Ph.D. students in HHS.

**SWK 887 Causal Inference in Social Sciences Research 3**

A social sciences researcher, often motivated by the pursuit for social justice, needs a sound understanding of the research designs and methodologies that pursue causality. The aim of this course is to introduce students to different methodologies that prioritize the pursuit of causality in social sciences research.

**SWK 890 Independent Study 1-3**

Guided readings, research, and individual project work under direction of a faculty member.

**Prerequisites:** Permission of instructor.

## Sociology (SOC)

**SOC 101 Introduction to Sociology 3**

Scientific study of social behavior including factors involved in functioning and development of human society such as culture, identity, social organization, institutions, stratification, social process, and social change.

**MAC:** MAC CritThink Soc and BehavSci

**SOC 201 Social Problems 3**

Analysis of contemporary social problems from a sociological perspective.

**MAC:** MAC CritThink Soc and BehavSci

**SOC 202 Social Problems in Global Context 3**

This course examines causes of and responses to critical social problems in different world regions with a focus on the dimensions and impacts of globalization.

**MAC:** MAC Global and Intercultural

**SOC 222 Sociology of Deviant Behavior 3**

Social processes in the creation and maintenance of deviant populations: classification, objectification of social meanings, functions of subcultures and social outcomes of the deviance-ascription process. Includes core sociological concepts, methods, and theories.

**MAC:** MAC CritThink Soc and BehavSci

**SOC 225 Race, Class, and Gender. Social Inequalities 3**

Study of social inequalities, with a particular focus on race, class, and gender.

**SOC 290 Social Theory I 3**

Introduction to the history, reading, and practice of social theory, with a focus on pre-war texts.

**SOC 301 Introduction to Methods and Research 3**

Topics include the function of theory in research, concept formation, study design, data collection, and analysis strategies.

**CIC:** CIC College Writing

**Prerequisites:** One sociology course or permission of instructor.

**Notes:** SOC majors only.

**SOC 302 Introduction to Data Analysis 3**

Application of statistical concepts and procedures to sociological inquiry. Topics include elementary descriptive and inferential procedures and use of computers in data analysis.

**Prerequisites:** SOC 101 and SOC 301 (or PSC 301 for students double majoring in Sociology and Political Science) and one additional sociology course.

**Notes:** SOC majors only, except by permission of instructor.

**SOC 311 Reading Culture and Society 3**

Examines key sociocultural issues through classic literary and cinematic works, emphasizing notions of modernity, the contemporary world, and the relationship they entertain; provides foundational reading and critical thinking skills.

**CIC:** CIC College Writing

**Notes:** Same as ATY 311.

**SOC 317 Criminal Justice 3**

Adjudication of criminal defendants from arrest through appellate process. Special attention given to current issues in administration of justice, e.g., the death penalty, plea bargaining, alternatives to incarceration.

**SOC 323 Deviance and Social Control 3**

This course takes an institutional approach to analyzing the social control of deviant behaviors and stigmatized social groups, with in-depth discussions of medicine, public health, and the criminal justice system.

**SOC 324 Theoretical Analysis of Crime & Deviance 3**

Sociological consideration of crime causation, patterns of crime, and responses to crime and other socially defined forms of deviance.

**Prerequisites:** SOC 222.

**SOC 326 The Community 3**

Recent changes and current structure of communities, with special attention to urbanization, bureaucratization, industrialization, social class systems, land use, inter-organizational relationships, urban life styles, and community power.

**Prerequisites:** SOC 101 or SOC 201 or SOC 202, or permission of instructor.

**SOC 327 Race and Ethnic Relations 3**

Interaction between peoples of differing racial, ethnic, and cultural backgrounds, with comparison of American relationships to those in other parts of the world.

**SOC 328 Social Movements 3**

Systematic study of such forms of collective social behavior as social movements and revolutions with a strong international and comparative focus.

**Prerequisites:** SOC 101 or SOC 201 or SOC 202 or permission of instructor.

**SOC 329 Sociological Perspectives on Gender 3**

Inquiry into status of genders in society with emphasis on structural and institutional relationships as well as socialization and the continuities and discontinuities in gendered displays across the life cycle.

**Notes:** Same as WGS 329.

**SOC 330 Urban Society 3**

Analysis of emergence of urban society including formation and growth of urban centers and problems associated with ecological, social, and cultural differentiation within urban settlements.

**SOC 332 Law and Society 3**

Examines law as a social process that differs from case to case according to the social characteristics of the parties involved. Criminal and civil law are discussed.

**Notes:** Freshmen must have permission of instructor to register for this course.

**SOC 333 Political Sociology 3**

Competing perspectives on power, theories of state, political parties, ideologies and institutions. Examination of conflicting political sociological theories of what the state is, how it emerged, and how it develops in relation to class structure, economy, civil society and social movements.

**Prerequisites:** One course in SOC or permission of instructor.

**SOC 335 Sociology of the Family 3**

Sociological analysis of the family with particular attention to change, patterns of behavior, and diversity in families.

**SOC 338 Sex and Society 3**

Study of sexual activity and sexuality from a sociological perspective, including sociological theories and studies of sex, social patterns of sexuality, sex and social institutions, and contemporary sexual practices in society.

**Prerequisites:** SOC 101 or SOC 329 or SOC 334 or SOC 335.

**SOC 340 An Introduction to Cultural Sociology 3**

An introduction to cultural sociology and exploration of cultural products and practices, the relationship between culture and society, and issues pertaining to meaning, interpretation, and representation.

**SOC 341 Sociological Perspectives on Social Psychology 3**

Conceptual frameworks of social psychology for selected topics: theories of social psychology, socialization, social perception, acquisition of self, gender, race and ethnicity, social interaction, and attitude and behavior change.

**Prerequisites:** SOC 101 and one additional sociology course or permission of instructor.

**Notes:** May not be taken for credit if student has had SOC 471.

**SOC 342 Global Inequalities 3**

Examination of social stratification systems and theories, economic prestige, power inequalities, social mobility, and class consciousness.

**Prerequisites:** SOC 101 and one additional sociology course or permission of instructor.

**SOC 344 Global Society 3**

Topics in global sociology, with a special focus on countries and regions beyond the U.S. Subjects covered may include politics and states, social policy, historical development of the world-system, international and transnational institutions and processes, development and globalization, and political economy. Application to contemporary social issues is stressed.

**Prerequisites:** SOC 101 and one additional sociology course or permission of instructor.

**SOC 346 Population Problems 3**

Sociological study of basic population processes of fertility, migration, and mortality, including examination of problems associated with changing population size, composition, and distribution.

**Prerequisites:** SOC 101 and one additional sociology course or permission of instructor .

**SOC 350 Juvenile Delinquency 3**

Course assesses the nature and extent of juvenile participation in unconventional behavior and identification with norms and values promoting delinquency.

**Prerequisites:** SOC 222 .

**SOC 362 Sociological Perspectives on Education 3**

Introduction to sociological theories and research about how social forces influence schools, inequality and conflict in schools, how schools confer status on people, and how schools are organized and changed.

**SOC 364 African American Social Thought 3**

An introduction to perspectives advanced by black scholars concerning black power and pride, stratification, social order, culture, intraracial socialization, interaction, mate selection, and consequences of skin-tone variance.

**SOC 370 Environmental Sociology 3**

Introduction to major sociological theories, perspectives and research useful for understanding environmental issues and environmentalism. Primary focus on the U.S., with some attention to Europe and developing countries.

**Prerequisites:** SOC 101 or SOC 201 or SOC 202, or permission of instructor.

**SOC 371 Race, Ethnicity, and Migration in a Global Context 3**

Examination of processes of racialization and ethnic identification, especially in societies outside of the U.S. Special attention to the causes of international migration and its consequences for ethno-racial classification and identification.

**SOC 373 Green Criminology 3**

Study of harms and crimes against the natural environment and the related impacts on human and non-human animals. Students will assess and analyze the causes and consequences of environmental crime.

**SOC 377 Disaster, Self, and Society 3**

The anatomy of disasters examined from both anthropological and sociological perspectives. Case studies are presented through several conceptual lenses for clarifying individual, social, cultural, and political responses to catastrophic events.

**CIC:** CIC College Writing

**Prerequisites:** 3 s.h. of course work with a prefix of ATY or SOC or permission of instructor.

**Notes:** Same as ATY 377.

**SOC 390 African American Perspectives on Crime 3**

An introduction to perspectives in criminology that focus on African American participation in crime and the significance of race for legal sanctioning.

**Prerequisites:** SOC 222 or SOC 324. SOCI major.

**SOC 393 Drugs and Society 3**

This course focuses on drug (mis)use as a social phenomenon. We discuss the history of drug (mis)use, causes of drug use, and the development and enforcement of drug laws.

**Prerequisites:** SOC 101 or SOC 222 or SOC 324.

**SOC 419 Gender, Crime, and Deviance 3**

Examines key questions in scholarly literature on gender, crime, and deviance: how gender socialization, gender roles, and institutions affect males' and females' offending, deviant behavior, and victimization.

**Prerequisites:** SOCI major.

**Notes:** Same as WGS 419. Students cannot receive credit for both SOC 419 and WGS 311.

**SOC 420 Family Violence 3**

Examines the forms, causes, incidence, and prevention of violence within the family and other intimate relationships.

**Prerequisites:** Junior or senior standing and sociology major. or permission of instructor.

**SOC 421 Seminar in Population and Urban Studies 3**

Advanced study of population processes and urban concepts from an interdisciplinary viewpoint. Emphasis on accessing and interpreting data from the U.S. census and other sources.

**SOC 422 Crimes of the Powerful 3**

Study of the types, causes, consequences, and control of white-collar crime.

**Prerequisites:** SOC 222 or SOC 324, or permission of the instructor.

**SOC 425 Contemporary Gangs in America 3**

Examines the nature and extent of gang membership in America: activities of cliques, near groups, cultural gangs, and established gangs.

**SOC 426 Comparative Minority Relations 3**

Comparative study of ethnic, class, and cultural conflict in developing and developed societies. Attention is given to the impact of ethnicity and class conflict upon societal development and change in the international setting.

**SOC 429 Collective Violence and Nonviolence in Global Perspective 3**

Study of social dynamics underlying events of collective violence and collective nonviolence globally and historically. Explores why contentious politics take a violent turn sometimes and a nonviolent turn at other times.

**Prerequisites:** Junior standing or permission of instructor.

**SOC 434 Considering Ourselves as Offenders, Victims and Survivors 3**

Using biographical history, the course will highlight connections between individual identity, ideologies and socio-political context, especially as they relate to the labels of offenders, victims and survivors.

**Prerequisites:** SOC 290 and SOC 324, and 3 hours of additional Sociology course credit or permission from instructor. Sociology majors and minors.

**SOC 441 The Real You 3**

Study of the social factors that impact contemporary culture and the individual's sense of self and identity.

**Prerequisites:** SOC 101, SSC 301, or permission or the instructor.

**SOC 452 Sociology of Science and Technology 3**

What impacts are technologies having on society? What makes science a unique social institution? Can scientific knowledge be socially constructed and still be valid? This class introduces students to major perspectives in the sociological study of science and of technology that address these and other questions.

**SOC 471 Advanced Topics in Social Psychology 3**

Social impact, exchange, equity, and attribution theories intensively examined as basic in understanding specific substantive problems of reciprocal influences of groups and individuals in socio-cultural context.

**Prerequisites:** 3 s.h. in sociology and 3 s.h. in psychology, or permission of instructor.

**SOC 490 Social Theory II 3**

Introduction to the history, reading, and practice of social theory, with a focus on post-war texts.

**CIC:** CIC College Writing

**Prerequisites:** SOC 290.

**SOC 493 Honors Independent Study 3-6**

Opportunity for Honors students to have directed instruction on problems of special interest.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**SOC 497 Independent Study 2-3**

Opportunity for students to have directed instruction on problems of special interest.

**Prerequisites:** Permission of faculty member with whom student wishes to work.

**Notes:** May be repeated for up to 6 hours credit.

**SOC 498 Research Experience in Sociology 2-3**

Opportunity for students to have directed instruction on problems of special interest.

**Prerequisites:** Permission of faculty member with whom student wishes to work.

**Notes:** May be repeated for up to 6 hours credit.

**SOC 499 Internship in Sociology 3-6**

Undergraduate students will complete at least 120 internship hours (graduate students, at least 300 hours) with a local public sector agency, and through the application of sociological concepts, will examine interpersonal, organizational, and public policy issues.

**Prerequisites:** Graduate standing. junior or senior standing; Sociology major; minimum 2.80 GPA; 3 letters of recommendation (at least one must be from the Sociology faculty).

**SOC 527 Social Conflict and Social Change 3**

This course introduces salient topics about social conflict and social change. It discusses origins, characteristics, and transformation of social conflict by focusing on both group level processes and structural factors.

**SOC 552 Sociology of Science and Technology 3**

Nature and origins of modern science; relations of science and technology; science in democratic and authoritarian societies; images of scientists; origins and recruitment of scientists; career patterns; the organizational setting.

**SOC 555 Sociology of the Family 3**

Critical examination of various ways of studying family, with consideration given to methodology, statistical treatment of data, and substantive findings.

**SOC 571 Advanced Topics in Social Psychology 3**

Social impact, exchange, equity, and attribution theories intensively examined as basic in understanding specific substantive problems of reciprocal influences of groups and individuals in socio-cultural context.

**Prerequisites:** 3 credit hours in sociology and 3 credit hours in psychology or permission of instructor.

**SOC 593 Thesis Proposal Seminar 3**

Provides an overview of sociological theory, epistemological issues, and research design; leads to a written thesis proposal.

**SOC 599 Internship in Sociology 3-6**

Students will complete at least 300 internship hours with a local public sector agency, and through the application of sociological concepts, will examine interpersonal, organizational, and public policy issues.

**Prerequisites:** Sociology major, minimum 2.80 GPA, 3 letters of recommendation (at least one must be from the Sociology faculty).

**SOC 601 Seminar in Criminological Analysis 3**

Intensive work at an advanced level on a selected topic in the sociology of crime and social deviance.

**SOC 614 Social Theory 3**

Advanced seminar in the history, reading, and practice of social theory.

**SOC 616 Advanced Research Methods 3**

The function of theory in research, concept formation, study design, data collection and analysis.

**SOC 617 Ethnography 3**

Provides students with the tools necessary to use ethnographic methods, including practical training, epistemological and ethical issues, and the history of ethnography in sociology.

**Notes:** Graduate standing.

**SOC 618 Advanced Data Analysis 3**

Application of advanced statistical concepts and procedures in multivariate analyses of discrete and continuous data.

**Prerequisites:** SOC 302 or permission of instructor.

**SOC 628 Social Movements 3**

Systematic study of forms of collective social behavior, contentious politics, social movements and revolutions with a global and comparative-historical focus.

**SOC 636 Seminar in Social Inequalities: Theory and Research 3**

Basic systems of social stratification. Theoretical and methodological trends.

**SOC 640 Cultural Sociology 3**

Graduate seminar in cultural sociology; an exploration of cultural products and practices, the relationship between culture and society, theories of culture, and issues pertaining to meaning, interpretation, and representation.

**SOC 644 Sociology of Globalization 3**

Sociological perspectives on globalization and its effects. Trends in theory and research.

**SOC 646 Teaching and Learning Sociological Concepts 3**

Goals, methods, and evaluation in teaching and learning sociology at the college level. Students prepare course objectives and outlines, select instructional materials, and present demonstration lectures and discussions.

**SOC 651 Criminology 3**

Critical examination of central sociological formulations of criminal behavior and victimization, and societal responses to each; integration of theories of criminal behavior with appropriate research strategies for theory advancement.

**Prerequisites:** Six hours of sociology at 300-level or permission of instructor.

**SOC 653 Social Control 3**

Theoretical and empirical analysis of institutions of social control through an examination of societal responses to groups and behaviors labeled as deviant.

**Prerequisites:** Six credit hours of sociology at 300-level or permission of instructor.

**SOC 695 Internship 3-6**

Directed practical experience in a professional setting in the student's area of interest. Includes written paper(s) applying sociological theories and methodologies to analysis of the setting.

**Prerequisites:** 21 hours in sociology at 500-level or above.

**SOC 697 Special Problems in Sociology 3**

Independent study or research.

**SOC 698 Research Experience in Sociology 3**

Independent research.

**Prerequisites:** Permission of faculty member with whom students wish to work.

**SOC 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**SOC 801 Thesis Extension 1-3**

Thesis Extension.

**SOC 803 Research Extension 1-3**

## Spanish (SPA)

**SPA 101 Beginning Spanish I 3**

Introduction to the Spanish language and the cultures of the Spanish-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary. Equivalent to SPA 121; students may not receive credit for both SPA 101 and SPA 121.

**MAC:** MAC Global and Intercultural

**Prerequisites:** None.

**Notes:** Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**SPA 102 Beginning Spanish II 3**

Continued study of the Spanish language and the cultures of the Spanish-speaking world at the introductory level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** SPA 101 or SPA 121 or met this level by the placement test.

**Notes:** Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**SPA 103 Intensive Beginning Spanish 4**

Study of Spanish and the cultures of the Spanish-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary. Review of SPA 101 combined with SPA 102.

**Prerequisites:** Minimum of one year of high school Spanish and placement test or permission of department.

**Notes:** This class is complemented by one hour of online instruction/practice. Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for SPA 102 (or equivalent), an equivalent or higher-level course or have been placed into a higher-level course.

**SPA 105 Applied Beginning Spanish 3**

Intensive practice in beginning Spanish. Active use of language skills: listening, speaking, writing, reading. Review and further study of basic Spanish structures and vocabulary. Includes study of cultural topics.

**MAC:** MAC Global and Intercultural

**Prerequisites:** This course is only open to students with transfer credit for SPA 101 and SPA 102 or institutional credit that is at least 5 years old who elect or need to take another class in beginning-level Spanish, and who are seeking to improve their oral communication skills in Spanish before continuing to SPA 203 or students with departmental permission.

**Notes:** SPA 105 does not count toward the College Foreign Language requirement. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course.

**SPA 121 Basic Spanish for Teachers 3**

Designed for teacher licensure candidates; students who successfully complete SPA 121 will be able to communicate with Spanish-speaking students and their families at a basic conversational level.

**Prerequisites:** Junior or senior standing in the Teacher Education Program.

**Notes:** Equivalent to SPA 101. students may not receive credit for both SPA 101 and SPA 121. Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**SPA 201 Applied Intermediate Spanish 3**

Intensive practice in spoken intermediate low Spanish. Active use of language skills (listening, speaking, writing, and reading). Study of intermediate low Spanish structures and vocabulary. Further discussion of cultural topics.

**Prerequisites:** This course is only open to students with transfer credit for SPA 203 or institutional credit that is at least 5-years old who elect or need to take another class in intermediate-low-level Spanish and who are seeking to improve their oral communication skills before continuing to SPA 204, or students with departmental permission.

**Notes:** SPA 201 does not count towards the College Foreign Language requirement. Students who are native or are heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course.

**SPA 203 Intermediate Spanish I 3**

Intermediate-level study of the Spanish language and cultures of the Spanish-speaking world. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** SPA 102 or equivalent or met this level by the placement test.

**Notes:** Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**SPA 204 Intermediate Spanish II 3**

Continued study of the Spanish language and cultures of the Spanish-speaking world at the intermediate level. Emphasis on active listening, speaking, writing, and reading, and applied vocabulary.

**MAC:** MAC Global and Intercultural

**Prerequisites:** SPA 203 or SPA 240 or equivalent or met this level by the placement test.

**Notes:** Students with previous knowledge of Spanish are required to take the placement test. Students who are native or heritage speakers of Spanish MUST obtain permission from the instructor before enrolling in the course. No academic credit will be given without department permission if students have already earned credit for an equivalent or higher-level course or have been placed into a higher-level course.

**SPA 301 Spanish Language and Cultures 3**

An opportunity to increase proficiency in oral and written language skills while extending knowledge of Hispanic culture. A bridge course required for advanced work in all areas.

**Prerequisites:** SPA 204 or departmental permission.

**Notes:** Students cannot receive credit for both SPA 301 and SPA 302.

**SPA 302 Spanish Language and Cultures for Heritage Speakers 3**

Advanced Spanish grammar and strong emphasis on literacy-building and culture in this language. For heritage speakers only.

**Notes:** Students cannot receive credit for both SPA 301 and SPA 302.

**SPA 303 Spanish for Health Care I 3**

In conjunction with SPA 304, this course focuses on Spanish for health care professionals, building specialized health-care-relevant vocabulary and developing skills in cross-cultural communication applicable to engaging appropriately with members of Hispanic and Latinx communities in health-care-related contexts encountered in the US. Students already have intermediate- or advanced-level knowledge.

**Prerequisites:** SPA 204 or equivalent or permission of instructor.

**SPA 304 Spanish for Health Care II 3**

In conjunction with SPA 303, this course focuses on Spanish for health care professionals, continuing to build specialized health-care-relevant vocabulary and further developing skills in cross-cultural communication applicable to engaging appropriately with members of Hispanic and Latinx communities in health-care-related contexts encountered in the US.

**Prerequisites:** SPA 303 with a C- or better.

**SPA 310 Advanced Spanish Language and Cultures for Heritage Speakers 3**

Continued literacy building in Spanish with a focus on advancing oral and writing skills. Students will engage with the local Latino community through service-learning.

**Prerequisites:** SPA 302 or departmental permission.

**Notes:** For heritage speakers only.

**SPA 311 Views of the Hispanic World Through Intermediate Conversation 3**

Intensive and methodical training in spoken Spanish.

**Prerequisites:** SPA 204 or permission of instructor.

**SPA 313 Views of the Hispanic World Through Intermediate Conversation Abroad 1-3**

Intensive formal and informal training in Spanish conversation in a Spanish or Latin American setting. Offered only in UNCG Program Abroad.

**Prerequisites:** SPA 204 or permission of instructor.

**Notes:** May be repeated up to three times for credit.

**SPA 315 Intermediate Spanish Composition 3**

Intensive study of grammar and idiom. Formal and informal writing.

**CIC:** CIC College Writing

**Prerequisites:** SPA 301 or SPA 302 or departmental permission.

**SPA 317 Foundations in Hispanic Cultures, Literatures, and Films 3**

Introduction to Hispanic cultures and histories through literature, film, and other cultural practices. Development of skills in Spanish.

**Prerequisites:** SPA 204 or SPA 301 or SPA 302 or SPA 310 or permission of department.

**SPA 318 Intermediate Spanish Composition for Heritage Speakers 3**

Emphasis on expansion of bilingual range in reading and writing. Course develops informal and formal writing skills through exploration of contemporary social and cultural topics.

**CIC:** CIC College Writing

**Prerequisites:** SPA 302 or departmental permission. Permission of course instructor required;

**Notes:** For heritage speakers only.

**SPA 321 Spanish in a Public School Setting 3**

Field experience in a public school setting that requires interaction with native speakers of Spanish. This course has a service-learning designation.

**Prerequisites:** SPA 204 or SPA 241 or equivalent or departmental permission .

**SPA 332 Foundations in Spanish Cultures, Literatures and Films 3**

Introduction to the culture of Spain. Selected readings on the culture by noted Spanish authors, films, slides with classroom discussions.

**CIC:** CIC College Writing

**Prerequisites:** SPA 204 or departmental permission.

**SPA 334 Foundations in Latin American Cultures, Literatures and Films 3**

Introduction to the culture of Spanish America. Selected writings by noted Spanish American authors, films, slides with classroom discussion.

**CIC:** CIC College Writing

**Prerequisites:** SPA 204 or departmental permission.

**SPA 342 Introduction to Hispanic Linguistics 3**

Introduction to the scientific study of Spanish, covering the core linguistic sub-fields (phonetics, phonology, morphology, syntax, semantics, and pragmatics) to understand Spanish language use and analysis in real-world contexts.

**Prerequisites:** SPA 301 or SPA 302, or departmental permission.

**SPA 351 Introduction to Literary Studies 3**

Reading of representative Hispanic texts, by genres. Attention will be given to basic vocabulary, concepts and techniques of literary analysis.

**CIC:** CIC College Writing

**Prerequisites:** SPA 301 or SPA 302, or permission of the department.

**SPA 401 Special Topics in Language and Literature 3**

Directed study and research in language and literary topics of special interest to the locale of the UNCG Study Abroad Program in a Spanish-speaking country.

**Prerequisites:** SPA 315 and SPA 351 and departmental permission.

**Notes:** May be repeated for credit when topic varies.

**SPA 406 Topics in Latin American Literature 3**

Topics in Latin American literature that explore the development of literary genres and themes, with attention to cultural and historical background as well as techniques of literary analysis.

**CIC:** CIC College Writing

**Prerequisites:** SPA 315 or SPA 318 and SPA 351, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 407 Topics in Spanish Literature 3**

Topics in Spanish Literature that explore the development of literary genres and themes, with attention to cultural and historical background as well as techniques of literary analysis.

**CIC:** CIC College Writing

**Prerequisites:** SPA 315 or SPA 318 and SPA 351, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 409 Topics in Literature from the Spanish Speaking World 3**

Topics in Literatures from the Spanish Speaking World explores the development of literary genres and/or themes, with attention to cultural and historical background as well as techniques of literary analysis in Spanish.

**CIC:** CIC College Writing

**Prerequisites:** SPA 315 or SPA 318 and SPA 351, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 411 Cultural Expressions in the Hispanic World Through Advanced Conversation 3**

Further intensive and methodical training in spoken Spanish.

**Prerequisites:** SPA 310 or SPA 311 or SPA 313 or SPA 317 or SPA 332 or SPA 334, or permission of the department.

**SPA 415 Advanced Spanish Composition 3**

Intensive practice in the written and spoken language, focusing on refinements in structure, vocabulary development, informal conversation, and formal writing styles.

**CIC:** CIC College Writing

**Prerequisites:** SPA 315 or SPA 318 or permission of the department.

**SPA 417 Topics in Hispanic Cultures, Literatures and Films 3**

Development of Hispanic cultures and histories through literature, film and other cultural practices. Further skills training in Spanish.

**Prerequisites:** SPA 315 or SPA 318 and SPA 351, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 432 Seminar in Spanish Cultures, Literatures and Films 3**

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

**Prerequisites:** SPA 351 and SPA 415 and one of the following courses: SPA 401 or SPA 406 or SPA 407 or SPA 409 or SPA 417 or SPA 442, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 435 Seminar in U.S. Latino/Latina Cultural Studies 3**

An examination of issues relating to U.S. Latino/Latina ethnic identity as defined in literature, performance, art, music, and film. Special emphasis given to the dialogue with the English-speaking community.

**Prerequisites:** SPA 315 and SPA 351 and one of the following: SPA 400X, SPA 401, SPA 406, SPA 407, SPA 409, SPA 411, SPA 415, SPA 416, SPA 417, SPA 432, SPA 435, SPA 442, SPA 443, SPA 445, SPA 446, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 436 Seminar in Latin American Cultures, Literatures and Films 3**

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

**Prerequisites:** SPA 315 and SPA 351 and one of the following: SPA 400X, SPA 401, SPA 406, SPA 407, SPA 409, SPA 411, SPA 415, SPA 416, SPA 417, SPA 432, SPA 435, SPA 442, SPA 443, SPA 445, SPA 446, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 442 Topics in Hispanic Linguistics 3**

Studies in topics of Hispanic linguistics. Exploration of linguistic theoretical frameworks, methodologies, and current scholarship.

**Prerequisites:** SPA 342 or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 443 Spanish in the U.S. 3**

This course will study Spanish in its socio-cultural context as a language of the U.S. and examine the Spanish linguistic characteristics of different Spanish-speaking communities across the U.S., such as those in New York, Chicago, Miami, Los Angeles, the Southeast, the Southwest, etc. **Prerequisites:** SPA 342 or permission of the department.

**SPA 445 Spanish Phonetics 3**

Spanish phonetics and intonation. Students learn to read and write symbols for sounds and inflections of Spanish and study mechanics of production of these sounds, accompanied by intensive drill in pronunciation and intonation.

**Prerequisites:** SPA 342 or permission of the department.

**SPA 446 Seminar in Hispanic Linguistics 3**

Selected topics of Hispanic linguistics. Students delve into the study of Pragmatics/Sociolinguistics/Spanish linguistics, discourse analysis and the analysis of Spanish in context or in contact with other languages.

**Prerequisites:** SPA 315 and SPA 342 and one of the following: SPA 442 or SPA 443 or SPA 445 or permission of department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 452 Seminar in Spanish Literature 3**

In-depth studies, through a variety of critical and historical approaches, based on themes, geographical areas, outstanding figures, genres, or periods.

**Prerequisites:** SPA 315 and SPA 351 and one of the following: SPA 400X, SPA 401, SPA 406, SPA 407, SPA 409, SPA 411, SPA 415, SPA 416, SPA 417, SPA 432, SPA 435, SPA 436, SPA 442, SPA 443, SPA 445, SPA 446, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 454 Seminar in Latin American Literature 3**

In-depth studies, through a variety of critical and historical approaches, based on geographical areas, outstanding figures, genres, or periods.

**Prerequisites:** SPA 315 and SPA 351 and one of the following: SPA 400X, SPA 401, SPA 406, SPA 407, SPA 409, SPA 411, SPA 415, SPA 416, SPA 417, SPA 432, SPA 435, SPA 436, SPA 442, SPA 443, SPA 445, SPA 446, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 459 Seminar in Literatures from the Spanish Speaking World 3**

This seminar explores the development of the literary genres and themes, examining similarities and differences across major areas of the Spanish-speaking world while exploring a variety of critical and historical approaches.

**Prerequisites:** SPA 315 and SPA 351 and one of the following: SPA 400X, SPA 401, SPA 406, SPA 407, SPA 409, SPA 411, SPA 415, SPA 416, SPA 417, SPA 432, SPA 435, SPA 436, SPA 442, SPA 443, SPA 445, SPA 446, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 462 Seminar in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** SPA 315 and SPA 351 and one of the following: SPA 400X, SPA 401, SPA 406, SPA 407, SPA 409, SPA 411, SPA 415, SPA 416, SPA 417, SPA 432, SPA 435, SPA 436, SPA 442, SPA 443, SPA 445, SPA 446, or permission of the department.

**Notes:** May be repeated once for credit when topic varies.

**SPA 493 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**SPA 497 Directed Study in Spanish Language 3**

Directed study and research in Spanish language.

**Prerequisites:** Departmental permission required.

**Notes:** May be repeated for credit when topic varies.

**SPA 498 Directed Study in Hispanic Cultures and/or Literatures 3**

Directed study and research in literary topics.

**Prerequisites:** Departmental permission required.

**Notes:** May be repeated for credit when topic varies.

**SPA 499 Internship in Spanish 3**

Prerequisite: Min. 15 hours of Spanish above the 204 level; Min. 3.0 GPA; written permission of instructor;

**Notes:** Must be planned and requested one semester prior to placement.

**SPA 502 Selected Topics in Spanish Literature 3**

In-depth studies, through a variety of critical and historical approaches, based on themes, geographical areas, outstanding figures, genres, or periods.

**Notes:** May be repeated for credit when topic varies.

**SPA 504 Selected Topics in Latin American Literature 3**

In-depth studies, through a variety of critical and historical approaches, based on geographical areas, outstanding figures, genres, or periods.

**Notes:** May be repeated for credit when topic varies.

**SPA 509 Selected Topics in Literatures from the Spanish-Speaking World 3**

Topics explore the development of literary genres and themes, examining similarities and differences across major areas of the Spanish-speaking world while exploring a variety of critical and historical approaches.

**SPA 532 Selected Topics in Spanish Cultures, Literatures, and Films 3**

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

**Notes:** May be repeated for credit when topic varies.

**SPA 534 Selected Topics in Latin American Cultures, Literatures, and Films 3**

Major topics in Spanish culture, history, and civilization. Special emphasis on the development of customs, national traits, cultural movements, and institutions.

**Notes:** May be repeated for credit when topic varies.

**SPA 535 Selected Topics in U.S. Latino/Latina Cultural Studies 3**

An examination of issues relating to U.S. Latino/Latina ethnic identity as defined in literature, performance, art, music, and film. Special emphasis given to the dialogue with the English-speaking community.

**Notes:** May be repeated for credit when topic varies.

**SPA 546 Selected Topics in Hispanic Linguistics 3**

Selected topics of Hispanic linguistics. Students delve into the study of Pragmatics/Sociolinguistics/Spanish linguistics, discourse analysis and the analysis of Spanish in context or in contact with other languages.

**SPA 562 Studies in Film Genre 3**

Technical, dramatic, social, and rhetorical dimensions of a film genre or genres. Subject differs from offering to offering.

**Prerequisites:** Departmental permission.

**Notes:** May be repeated for credit when the topic varies. Same as FRE 562, ITA 518.

**SPA 603 Seminar in Spanish Literature 3**

Advanced study and investigation of current scholarship on a topic of Spanish literature.

**Prerequisites:** LLC 601 or permission of department.

**Notes:** May be repeated for credit when topic varies.

**SPA 604 Seminar in Spanish American Literature 3**

Advanced study and investigation of current scholarship on a topic of Spanish American literature.

**Prerequisites:** LLC 601 or permission of department.

**Notes:** May be repeated for credit when topic varies.

**SPA 605 Seminar in Hispanic Linguistics 3**

Advanced study and investigation of current scholarship on a topic of Hispanic linguistics.

**Prerequisites:** Permission of department.

**Notes:** May be repeated for credit when topic varies.

**SPA 693 Special Topics in Spanish Language and/or Literature 3**

Study of Hispanic language and literature.

**Prerequisites:** Permission of instructor and Director of Spanish Graduate Study.

**SPA 695 Directed Study 3**

Directed program of reading or research in an area of special interest in Hispanic studies. Regular conferences with the instructor will be scheduled.

**Prerequisites:** Permission of instructor and Director of Spanish Graduate Study.

**SPA 699 Thesis 1-6**

Individual research for the completion of a thesis.

**SPA 801 Thesis Extension 1-3**

Thesis Extension.

**SPA 803 Research Extension 1-3****Specialized Education Services (SES)****SES 100 Visual Gestural Communication 2**

Development of skills in nonverbal communication. Topics of spatial awareness, visual processing skills, and the use of facial expression, gestures, pantomime, and body language as it pertains to interpreting.

**Prerequisites:** SES 101 recommended.

**SES 101 American Sign Language I 3**

American Sign Language (ASL) with emphasis on the development of basic receptive and expressive skills. ASL grammar will be covered to develop rudimentary conversational skills in ASL. Introduction to Deaf culture and community.

**Prerequisites:** Interpreting, Deaf Education, and Advocacy Services major.

**Corequisites:** SES 245.

**SES 102 American Sign Language II 3**

Development of conversational skills in American Sign Language (ASL). Review of origin and application of contemporary manual communication systems.

**Prerequisites:** SES 101. Interpreting, Deaf Education, and Advocacy Services major.

**SES 200 People with Disabilities in American Society 3**

Exploration of the treatment of people with disabilities in American society from a personal, historical, political, and social perspective, including related legislation, portrayal in popular media, and contemporary issues.

**SES 203 American Sign Language III 3**

Continuation of Sign Language II with an increased emphasis on expressive skills, receptive skills, linguistic knowledge, and integration of cultural behaviors in conversational settings.

**Prerequisites:** SES 102. Interpreting, Deaf Education, and Advocacy Services major.

**SES 204 American Sign Language IV 3**

Continuation of American Sign Language III with an increased emphasis on expressive skills, linguistic knowledge, and integration of cultural behaviors in conversational settings. Community lab hours required.

**Prerequisites:** SES 203. Interpreting, Deaf Education, and Advocacy Services major.

**SES 240 Communication Development in Children 3**

Psychosociolinguistic and developmental processes in the acquisition of communication in typically developing children. Emphasis on interpersonal communication patterns in diverse cultures that contribute to and influence social interaction.

**MAC:** MAC CritThink Soc and BehavSci

**Notes:** Students cannot receive credit for both this course and CSD 308.

**SES 242 Introduction to Exceptional Children: Early Years 3**

Provides an overview to early childhood special education. Issues related to legislation, identification, characteristics, family roles, and programmatic concerns will be addressed.

**MAC:** MAC CritThink Soc and BehavSci

**SES 244 Cognitive Processing Skills for Interpreting 3**

Development of cognitive processing skills within ASL and English. Abilities to manipulate with accuracy two languages involved in the interpreting process in order to interpret a message accurately.

**Prerequisites:** SES 101. Interpreting, Deaf Education, and Advocacy Services major.

**SES 245 History and Culture of the Deaf Community 3**

Introduction to the diverse members of the Deaf Community with emphasis on Deaf people as a linguistic and cultural minority. Focus is on historical, educational, political, social, and vocational issues.

**Prerequisites:** Interpreting, Deaf Education, and Advocacy Services major.

**Notes:** May not receive credit for both ASL 245 and SES 245.

**SES 250 Introduction to Professions in Specialized Education 3**

Study of fundamental concepts on teaching and learning, applicable to educational services to students with disabilities. Particular emphasis is given to teachers' perspectives with required field experience in schools.

**SES 251 Introduction to Deaf Education 3**

An introduction to professional standards, ethics and expectations in Deaf Education, while also exploring historical/cultural perspectives and service delivery options for students who are deaf/hard of hearing.

**SES 252 Survey of Learning and Behavior Differences 3**

Overview of learning and behavior differences as related to special education. Addresses etiology prevalence, characteristics, diagnosis, and treatment. Historical and legal aspects of educational programs also are addressed.

**MAC:** MAC Written Communication

**Prerequisites:** SES 250 or permission of instructor. admission to the Teacher Education Program.

**SES 270 Fingerspelling and Numbers in ASL 2**

Provides concentrated instruction and practice in fingerspelling and numbers as used in ASL. Assists students in acquiring fluent fingerspelling ability through the use of receptive and expressive skills.

**Prerequisites:** SES 102 or permission of instructor.

**SES 296 Study Abroad for Global Engagement: Field Experience 1**

Second of three courses taken in conjunction with a UNCG Study Abroad Exchange. Online individual study focusing on the field experience and appropriate engagement in international, intercultural, and/or multicultural contexts.

**Prerequisites:** IGS 295. Acceptance to a UNCG Study Abroad Exchange Program;

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 296, TED 296.

**SES 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications 1**

Third of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on the re-entry and re-acculturation processes and the integration of intercultural development into future contexts.

**Prerequisites:** IGS 296. Acceptance to a UNCG Study Abroad Exchange Program;

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 297, TED 297.

**SES 305 American Sign Language: English Translation 3**

A continuation of the grammatical aspects of ASL with emphasis on conceptualization. Beginning translation activities including famous quotes, speeches, pledges, and songs.

**Prerequisites:** IDEA or SPED or SPEL major. SES 204 or permission of instructor.

**SES 306 Advanced Narrative Structures and Storytelling in American Sign Language 3**

Narrative skills will be enhanced by using fairy tales and folktales to free students up to imagine, develop characters, identify basic storytelling techniques and formal presentations in ASL.

**Prerequisites:** SES 305 or permission of instructor.

**SES 315 Assessment and Planning for Inclusive B-K Programs 4**

Theoretical, practical, ethical issues in observing, assessing, and planning for young children with and without disabilities. Individualized approaches for program planning and monitoring development are integrated.

**Prerequisites:** HDF 111, HDF 112, and HDF 202. Pr. or Coreq.: SES 242 and HDF 250;

**Notes:** Same as HDF 315.

**SES 321 Seminar/Practicum with Deaf Students I 3**

The field component of the Birth–12 Deaf and Hard-of-Hearing Teacher Preparation program; allows students to work in various settings with students who are Deaf and process these experiences in a weekly seminar.

**Prerequisites:** Admission to the Teacher Education Program.

**SES 333 Special Projects 1-3**

Guided individual study in an area of special interest to the student.

**Prerequisites:** Permission of faculty supervisor.

**Notes:** May be repeated for credit.

**SES 340 Strategies for Teaching Students with Disabilities in General Education Settings 3**

Provides teacher candidates with essential knowledge and skills for understanding and addressing academic and behavioral needs of students with disabilities in their classrooms.

**Prerequisites:** TED 250 and/or admission to the Teacher Education Program and/or permission of instructor.

**SES 341 Social Emotional Competence in Inclusive Settings 3**

Social, emotional, and physical environments of inclusive early childhood settings (birth to kindergarten) and their role in promoting optimal development and successful learning.

**Prerequisites:** HDF 111, HDF 112, and HDF 202. Pr. or Coreq.: SES 242 and HDF 250;

**Notes:** Same as HDF 341.

**SES 350 Interprofessional and Instructional Field Experience 1 3**

Field component of special education teacher preparation program. Provides opportunities for teachers to apply their knowledge and skills in a variety of settings with students with disabilities.

**Prerequisites:** SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program.

**SES 351 Interprofessional and Instructional Field Experience 2 3**

This is the second in a series of field-based components of the special education teacher preparation program. This practicum/ internship provides opportunities for teacher candidates to apply their knowledge and skills in a variety of settings with students with disabilities. Skills and experiences will be reflected upon in seminar.

**Prerequisites:** SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program.

**SES 352 Interprofessional and Instructional Field Experience 3 3**

This is the third of three field-based experiences in the special education teacher preparation program. This clinical experience/ internship provides opportunities for teacher candidates to apply their knowledge and skills in a variety of settings with students with disabilities. Skills and experiences will be reflected upon in seminar.

**Prerequisites:** SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program.

**SES 353 Lesson Design for Deaf Learners 3**

Foundational knowledge and strategies for creating effective, appropriate and inclusive research-based lesson plans for K-12 learners who are deaf or hard of hearing.

**Prerequisites:** Admission to the Teacher Education Program.

**SES 357 The Profession of Interpreting 3**

An overview of the profession of interpreting including its history, organizations, guidelines for ethical decision-making, conduct, basic business practices, roles and responsibilities, legislative issues, health concerns, and certification requirements.

**SES 360 Assessment for Exceptional Learners 3**

Formal and informal assessment approaches for identification and eligibility for special education for students who access the general curriculum. Strategies for planning and evaluating programs for students receiving special education.

**Prerequisites:** SES 250 or TED 250, SES 252, or permission of instructor. admission to the Teacher Education Program.

**SES 361 Language and Emergent Literacy: Foundational Skills for Teaching Reading 3**

This course will provide a foundation in language and emergent literacy skills necessary to teach reading. Students will learn a breadth of knowledge about language development, the links between language structures and literacy components, characteristics of children at risk for reading difficulty, and children from culturally and linguistically diverse backgrounds.

**Prerequisites:** Admission to teacher education. 3.0 GPA.

**SES 366 Discourse Analysis: English/American Sign Language 3**

Analyzing discourse in English and American Sign Language (ASL) toward an awareness of language features. Theoretical notions underlying language are presented, discussed, and applied through feature transcription and analysis.

**Prerequisites:** SES 204 and SES 369.

**SES 369 Linguistics of American Sign Language 3**

Provides an introduction to sociolinguistics and the linguistic structures of American Sign Language including phonology, morphology, syntax, and pragmatics through lecture and analysis of native ASL users.

**SES 370 American Sign Language/Deaf Literature 3**

Study of literature by deaf authors and poets. Videotapes and reading selections pertaining to everyday lives of deaf people including ABC and number stories, residential stories, and ASL poetry.

**Prerequisites:** SES 204 or permission of instructor.

**SES 378 Language Teaching Methods with Deaf Students 3**

Principles and strategies for developing English language proficiency in deaf and hard of hearing students. Emphasis on integration of English instruction with academic content.

**Prerequisites:** 2.75 overall GPA. SES 240; admission to the Teacher Education Program or permission of instructor .

**SES 381 Bilingual Methods for Teaching Deaf Students 3**

To prepare the student to teach deaf/hard-of-hearing children/youth via a bilingual approach (American Sign Language [ASL]/English). Focus is on increasing ASL literacy, English literacy and oracy, and integrated content instruction. Designed for students possessing a theoretical foundation in first and second language acquisition, bilingual education, ESL, linguistics, and cognitive development.

**Prerequisites:** SES 204 or ASLPI Level 2 Score. admission to the Collaborative for Educator Preparation (CEP) or permission of instructor.

**SES 385 Structure of English & ASL 3**

To review and analyze linguistic structures (commonly known as "parts of speech") in both American Sign Language (ASL) and English. Focus is on understanding and teaching language to deaf/hard-of-hearing children and youth via a bilingual (ASL/English) approach. Designed for students who have proficiency in ASL and English.

**Prerequisites:** SES 204 or ASLPI Level 2 Score. admission to the Collaborative for Educator Preparation (CEP) or permission of instructor.

**SES 396 Transition Planning and School-Based Entrepreneurship 3**

This course will provide a background in transition planning for students with disabilities. Emphasis is placed on career development and transition services and entrepreneurial efforts in schools and communities.

**Prerequisites:** Junior standing.

**Notes:** Same as ENT 396.

**SES 400 Perspectives on the Global Deaf Community 3**

Global perspectives of deaf people in other countries including perspectives on identity, language, human rights issues, education, advocacy, and social and economic self-sufficiency.

**Prerequisites:** SES 204, SES 245, SES 370, and permission of instructor.

**SES 401 Understanding and Teaching Students with Disabilities in Inclusive Settings 1**

Legal and pedagogical understandings related to teaching students with disabilities and related special needs in general education settings. Enrollment is limited to students pursuing initial teaching licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**SES 409 Interpreting Strategies: Language Facilitation 3**

Assessment, best practices, and collaboration in facilitating language learning in students who are Deaf/deaf or hard of hearing. This course will also deal with the educational interpreter's role as a member of the educational team.

**Prerequisites:** SES 240. Interpreting, Deaf Education, and Advocacy Services majors who have a concentration in interpreter preparation; or permission of instructor.

**SES 411 Diagnostics and Assessment of Interpreters 2**

Preparation for state and national interpreting assessments; emphasis on ethical decision-making with regard to laws, best practices, policies, and Code of Professional Conduct.

**Prerequisites:** Permission of instructor .

**SES 425 Infants and Toddlers: Development, Learning, and Curriculum 3**

Theories, principles, methods, and issues related to infant and toddler development and inclusive programs. An emphasis on integrating knowledge with skills to design, implement, and evaluate programs will be taken.

**Prerequisites:** SES 242. Grade of C+ or better in HDF/SES 315 and HDF/ SES 341; 2.60 GPA;

**Notes:** Same as HDF 425.

**SES 435 Preschool: Development, Learning, and Curriculum 3**

In-depth examination of typical and atypical development of diverse preschool-age children. Integrated teaching strategies and effective inclusive learning environments will be emphasized.

**Prerequisites:** SES 242. Grade of C+ or better in HDF/SES 315 and HDF/ SES 341; 2.60 GPA;

**Notes:** Same as HDF 435.

**SES 436 Kindergarten: Development, Learning, and Curriculum 3**

In-depth examination of current policies and practices in public school kindergartens. Development of children with and without disabilities and appropriate teaching strategies in kindergarten will be emphasized.

**Prerequisites:** SES 242. Grade of C+ or better in HDF/SES 315 and HDF/ SES 341; 2.60 GPA;

**Notes:** Same as HDF 436.

**SES 438 Literacy Methods with Deaf Learners 3**

Foundational knowledge and evidenced-based strategies for facilitating literacy education for K-12 learners who are deaf or hard of hearing.

**Prerequisites:** Admission to the Teacher Education Program.

**SES 440 Intro to Special Education 3**

Introductory course designed to survey the field of students with disabilities. Major attention focused on characteristics of students with disabilities, free appropriate public education, and the least restrictive environment.

**Prerequisites:** Senior standing.

**SES 445 Advocacy and Services for the Deaf 3**

Overview of services, laws, demographics, and ethical issues necessary to work with deaf people in nontraditional settings.

**Prerequisites:** Permission of instructor .

**SES 446 Working with Diverse Deaf Populations 3**

Course is designed to equip professionals to work with Deaf and hard of hearing individuals with significant learning and communication challenges including deaf-blind, autism, and developmental disabilities.

**Prerequisites:** SES 204. IDEA major.

**SES 447 Service Delivery Systems and Role Management 3**

Design and delivery of school service delivery models for students with mild/moderate disabilities (e.g., general education, resource programs; co-teaching; consultation); management of exceptional children's teachers' many roles and responsibilities.

**Prerequisites:** SES 250 or TED 250 or permission of instructor. admission to the Teacher Education Program.

**SES 451 Spoken Language Facilitation in Deaf Children 4**

Assessment procedures and strategies for developing spoken language in naturalistic and school settings with children with hearing impairments.

**Prerequisites:** CSD 250 and SES 240. 2.75 overall GPA; admission to the Teacher Education Program .

**SES 453 IEPs and Assessment 3**

This course includes content and experiences to develop knowledge and skills pertaining to the development and implementation of the Individualized Education Plan (IEP). Students will use assessment data to create IEPs, and monitor progress towards IEP goals, as required by the Individuals with Disabilities Act (IDEA).

**Prerequisites:** Admission to teacher education program. 3.0 GPA.

**SES 460 Home-School Partnerships for Students with Exceptional Needs 3**

Focuses on the needs of parents and families as they interact with personnel in schools, including procedural safeguards for parents/ families, formal and informal meetings, culturally competent interactions, and home-school communication systems.

**SES 461 Internship in Teaching Students with Hearing Loss 12**

Full-time supervised student teaching in one or more educational settings with deaf and hard of hearing students under direction of university supervisor. Conferences and seminars required.

**Prerequisites:** 2.75 overall GPA and admission to the Student Teaching Program.

**SES 462 Interpreting in Educational Settings 3**

This course provides opportunities for students to develop a knowledge base in educational interpreting. Topics include, tutoring, data collection, and strategies for working in kindergarten through post-secondary settings.

**Prerequisites:** Interpreting, Deaf Education, Advocacy and Services majors only.

**SES 463 Visual English Systems 3**

Learn and apply various systems for visually representing English including sign-supplemented speech, oral transliterating, Cued Speech, and Visual Phonics.

**SES 465 Student Teaching: Students with Mild and/or Moderate Disabilities 9**

Student teaching emphasizing teaching students with mild/moderate learning disabilities in K-12 settings with university supervision. Full-time special education teaching assignment in cooperating schools for a full semester. Conferences and seminars required.

**Prerequisites:** Permission of department chair and admission to the Teacher Education Program.

**Corequisites:** SES 475.

**Notes:** Must have completed all major coursework and maintain at least a 3.0 GPA.

**SES 466 Positive Behavior Supports for Exceptional Learners 3**

This course teaches content and strategies for creating a nurturing learning environment by incorporating positive behavior supports at the school, class, and individual levels. Students will learn and practice skills for completing functional behavioral assessments and behavior intervention plans for exceptional learners.

**Prerequisites:** SES 250 and SES 252, or permission of instructor. admission to the Teacher Education Program.

**SES 467 Advocacy and Services for the Deaf Internship 12**

Internship component of Advocacy and Services for the Deaf concentration. Provides students with opportunities to apply knowledge and skills in working with individuals with disabilities in nontraditional educational settings in community.

**Prerequisites:** Permission of instructor.

**SES 468 Diversity in Inclusive Early Care and Education 3**

In-depth analysis of the issues, challenges, and recommended practices related to effectively serving diverse populations of young children and their families in inclusive early care and education settings.

**Prerequisites:** HDF 450 or HDF 460, or concurrent enrollment in HDF 450 or HDF 460. or permission of instructor; 2.60 GPA;

**Notes:** Same as HDF 468.

**SES 469 Reading Instruction for Learners with Reading Difficulties or Disabilities 3**

SES 469 is designed to prepare teachers to teach reading effectively. Specifically, pre-service teachers learn how to assess learners with reading difficulties or disabilities in all reading components, plan instruction or intervention based on results, and teach using explicit, systematic, and evidence-based instructional strategies in reading.

**Prerequisites:** SES 250 or TED 250 or permission of the instructor. admission to the Teacher Education Program;

**Corequisites:** SES 469L.

**SES 469L Lab for Reading Instruction for Learners with Reading Difficulties or Disabilities 1**

SES469L is a lab that provides these experiences tutoring students weekly at an off-campus elementary school (within 30 minutes from campus): administering assessments, analyzing results, planning and implementing lessons to support students' reading profiles and needs. A passing grade in SES469 must be achieved for successful completion of this course.

**Prerequisites:** Admission to the Teacher Education Program.

**Corequisites:** SES 469.

**SES 471 Teaching Exceptional Learners the General Curriculum I 3**

Part of a two-course sequence for teachers of students with learning, behavioral, and mild/moderate cognitive disabilities. Provides a knowledge base for developing and managing educational programs for this population.

**Prerequisites:** Both SES 250 (or TED 250) and SES 252, or permission of instructor. admission to the Teacher Education Program .

**SES 472 Teaching Exceptional Learners the General Curriculum II - Math 3**

Second of a two-course sequence for teachers of students with learning, behavioral, and mild/moderate cognitive disabilities. Provides a knowledge base for developing and managing general curriculum programs for this population with a math focus.

**Prerequisites:** SES 250 (or TED 250) and SES 252 and SES 471, or permission of instructor. admission to the Teacher Education Program.

**SES 475 Student Teaching Seminar: Students with Mild and/or Moderate Disabilities 3**

Student Teaching Seminar for Students with Mild/Moderate Disabilities, is a corequisite course for SES 465, the student teaching course designed to prepare special education teacher candidates to teach exceptional students with mild/moderate disabilities in inclusive K-12 settings. The seminar will address specific topics related to the profession and the student teaching experience.

**Prerequisites:** Successful completion of all major courses and admission to the teacher education program.

**Corequisites:** SES 465.

**SES 477 Interpreting English to ASL I 3**

Develops skills in producing a linguistic and culturally equivalent ASL message from an English source message. Emphasis on discourse analysis, translation, and consecutive interpreting exercises.

**Prerequisites:** SES 204.

**SES 478 Interpreting English to ASL II 3**

Develops skills in producing a linguistic and culturally equivalent ASL message from an English source message. Emphasis is placed on simultaneous interpreting of narrative discourse and interactive interpreting.

**Prerequisites:** SES 477.

**SES 480 Interpreting in Specialized Settings 3**

Focuses on techniques, ethics, and specific terminology associated with interpreting for diverse populations within the Deaf Community. Included are mental health, medical, performing arts, religious, social services, and vocational settings.

**Prerequisites:** SES 204 and SES 357.

**SES 481 Instructional ASL for Educating Deaf Students 3**

To improve students' American Sign Language vocabulary and conceptual accuracy for a variety of content areas in the K-12 setting, and provide techniques for teaching through a bilingual instructional approach.

**Prerequisites:** SES 101. SES 102; SES 203; SES 204; PRDF major with Birth-12 Deaf and Hard of Hearing Teacher Licensure concentration or permission of instructor;

**Notes:** May be repeated for credit.

**SES 483 Instructional Methods: Students with Hearing Loss 3**

Strategies for facilitating deaf and hard of hearing students' acquisition of curricular content in inclusive educational settings. Emphasis on developing and implementing individualized learning plans.

**Prerequisites:** 2.75 overall GPA and admission to the Teacher Education Program.

**SES 486 Seminar and Practicum 3**

Designed to prepare students for entrance into their professional careers. Includes portfolios, resumes, invoices, interview skills, and assessment instruments. Professional Development Plans, which incorporate practicum experiences, are constructed.

**Prerequisites:** Permission of instructor.

**SES 487 Interpreting Internship 12**

Full-time supervised field experiences in a variety of settings related to the student's professional goals. Regularly scheduled conferences, seminars, and other projects are required.

**Prerequisites:** SES 486 and completion of Interpreting Assessment I.

**SES 488 Interpreting ASL to English 3**

Develops skills in producing a linguistic and culturally equivalent English message from an ASL source message. Emphasis is placed on rehearsed and spontaneous consecutive interpreting.

**Prerequisites:** SES 204.

**SES 495 Interpreting in Medical Settings 2**

Apply principles of ASL in primary and emergency care medical settings and gain knowledge of specialized vocabulary, appropriate roles, standards of practice and ethical codes involved in medical interpreting.

**Notes:** Recommended for students with advanced skills in American Sign Language.

**SES 496 Interpreting ASL-to-English II 3**

Development of skills in producing a linguistic and culturally equivalent English message from an ASL source message. Emphasis is placed on simultaneous interpreting.

**Prerequisites:** SES 488.

**SES 497 Interpreting in Mental Health Settings 2**

Techniques specific to interpreting in mental health and substance abuse settings. Application of the demand-control schema framework and a teleological approach to ethical decision making.

**Notes:** Recommended for students with advanced skills in American Sign Language.

**SES 498 Interpreting in Social Service Settings 2**

Apply principles of American Sign Language in various social service settings and gain an understanding of the specialized vocabulary, appropriate roles, standards of practice, sensitive issues, and ethical codes involved.

**SES 499 Theatrical/Artistic Uses of American Sign Language 2**

**Notes:** Recommended for students with advanced skills in American Sign Language.

**SES 540 Introduction to Special Education 3**

Introductory course designed to survey the field of students with disabilities. Major attention focused on characteristics of students with disabilities, free appropriate public education, and the least restrictive environment.

**SES 601 Introduction to Inclusive Birth-Kindergarten Services 3**

Introduction to issues and policies in inclusive birth through kindergarten programs. Legislation, service delivery models, policy issues, family roles, and research outcomes discussed.

**SES 602 Inclusive Family-Centered Practices in Early Childhood 3**

Analysis of theoretical perspectives, intervention strategies, and research outcomes for young children with disabilities in inclusive settings and their families. Family-centered practices emphasized.

**Prerequisites:** SES 601.

**SES 603 Screening/Assessment in Inclusive Early Childhood Services 3**

Conceptual knowledge and practical application of screening and assessment techniques and procedures for infants, toddlers, preschoolers, and kindergartners. Report writing, IFSPs, IEPs, family assessments, and program evaluation included.

**Prerequisites:** SES 601, ERM 604, SES 406/HDF 606 or permission of instructor.

**SES 604 Internship in Inclusive Early Childhood 6**

An in-depth exploration of the principles of early childhood care and education and learning strategies for young children with and without disabilities. Field placements in BK setting are required.

**Prerequisites:** HDF 636, admission to BKISED program, or permission of instructor.

**SES 605 Diversity and Inclusive Early Care and Education 3**

In-depth analysis of issues, recommended practices, and experiences to prepare students for meeting the needs of young children from diverse populations in inclusive early care and education settings.

**Prerequisites:** Admission to Leadership in Early Care and Education certificate, MEd BKISED, or permission of instructor.

**SES 606 Preschool-Kindergarten Learning in Inclusive Settings 4**

In-depth exploration of the principles of early childhood care and education and learning strategies for preschool/kindergarten children with and without disabilities. Field placements in BK setting are required.

**Prerequisites:** Admission to BKISED degree program and SES 601.

**Notes:** Same as HDF 606.

**SES 607 Infant-Toddler Learning in Inclusive Settings 4**

An examination of development in infancy and toddlerhood and strategies for facilitating very young children's growth and learning in early childhood care and educational settings. Field placement required.

**Prerequisites:** HDF or SES major or permission of instructor.

**Notes:** Same as HDF 607.

**SES 610 Ecologically Based Instruction 3**

This course will enable the participant to identify psychological, physical, educational, medical, behavioral, and learning characteristics and needs of students with disabilities.

**SES 611 Universal Design for Learning 3**

Content includes strategies for developing curriculum and instructional techniques for teaching students with disabilities, including vocational/career assessment and individualized programs integrating family, agencies, and business.

**SES 612 Transition Across the Age-Span 3**

Course content focuses on implementing transition programs from school to career and daily living for students with disabilities, including vocational/career assessment and individualized programs integrating family, agencies, and business.

**SES 640 Policies and Procedures in Special Education 3**

Detailed study of federal and North Carolina policies and procedures that ensure that students with disabilities receive a free appropriate public education in the least restrictive environment.

**SES 641 Assessment in Special Education 3**

Provides a knowledge base, guided practice, and practical application of assessment practices for making eligibility and instructional planning decisions for students with disabilities, with emphasis on authentic assessment practices.

**Notes:** For special education majors.

**SES 642 Reading Instruction 3**

Emphasizes systematic, explicit practices for teaching essential skills in phonemic awareness, emergent literacy, the alphabetic principle, fluency, vocabulary, and reading comprehension to students with disabilities.

**SES 643 Special Education Trends/Issues 3**

Explores critical issues and strategies in developing, implementing, evaluating, and financing programs and services for students with disabilities.

**SES 645 Advanced Seminar: Special Education 3**

Research and current issues in the psychology and education of students with disabilities.

**Notes:** May be repeated for credit when topic varies.

**SES 647 Collaboration and Leadership 3**

Provides a knowledge base, guided practice, and practical application of consultation skills and consultation-based services needed for implementing effective instructional programs for students with disabilities.

**Notes:** For special education majors.

**SES 649C Practicum in Special Education 4-6**

Eight or ten weeks of supervised experience in inclusive early childhood education settings designed to offer opportunities for practice of skills and professional development within program goals.

**Prerequisites:** Core courses and permission of program coordinator.

**SES 650 Independent Study 1-3**

Topic to be determined by faculty advisor and student.

**Prerequisites:** Admission to appropriate degree program or permission of instructor and major advisor.

**SES 652 Writing Instruction 3**

Emphasizes Universal Design for Learning, systematic and explicit practices for teaching written language skills to students with disabilities using evidence and research based practices.

**SES 656 Math and Science Instruction 3**

Addresses broad array of evidence-based instructional strategies for working with students with disabilities to teach math and science.

**Prerequisites:** Pr. or Coreq.: SES 655.

**SES 658 Positive Behavior Supports 3**

Addresses broad array of instructional strategies for working with students with disabilities using contemporary educational and therapeutic practices to address instructional as well as social/emotional needs.

**SES 659 Behavior Management 3**

Includes content specific to concepts, skills, and practices for understanding and using principles of behaviorism in the education of students with special needs.

**SES 661 Student Teaching: Special Education 3-6**

Supervised experience in a variety of classroom or other public school settings and related seminar emphasizing the design and delivery of best-practices services and instruction to students with disabilities.

**Notes:** May be repeated for credit. Grading method is Satisfactory/Unsatisfactory (S/U).

**SES 662 Assistive Technology for Inclusive Education 3**

Overview of assistive technology in meeting the educational goals of individuals with disabilities. Includes experiences with devices and services associated with assistive technology and instructional technology.

**SES 688 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by subscript (e.g., Contemporary Problems Seminar: Issues in Professional Negotiations). May be repeated for credit when topic varies.

**SES 711B EC:Teacher Ldrshp for Inclusion 3**

This course provides Dale Carnegie's (DC) "Emerging Teacher Leaders" Training that consists of a curriculum that focuses on three intentional developmental foci: leading oneself, leading others, and communicating leadership.

**SES 747 Seminar in Special Education 3**

Current trends and issues in the field of special education. May be repeated for a total of nine semester hours credit when topic varies.

**SES 749 Internship in Specialized Education 3**

A directed internship, in an advanced, situated leadership position that provides opportunities for graduate students to apply knowledge and skills related to the chosen area of specialization (e.g., instructional coaching).

**Prerequisites:** Admission to P.M.C. in Instructional Coaching and/or Ph.D. in Special Education or permission of instructor.

**Notes:** May be repeated for credit.

**SES 753 Issues and Trends in Special Education 3**

Provides graduate students with opportunities to explore current issues and trends in special education within the broader context of education, society, and history.

**Prerequisites:** Admission to P.M.C. in Instructional Coaching and/or Ph.D. in Special Education or permission of instructor.

**SES 755 Critical Review of Special Education Literature 3**

This seminar is designed to provide doctoral students with opportunities to critically analyze professional literature and grant proposals; and write literature reviews for publication, dissertation and research.

**Prerequisites:** Admission to PhD in special education or permission of instructor.

**SES 757 School Reform and Leadership in Special Education 3**

This seminar addresses the research and professional literature related to changing schools to improve academic and behavior outcomes for all students.

**Prerequisites:** Admission to PhD in special education or permission of instructor.

**SES 758 History and Future of Specialized Education 3**

Overview of the history of special education with implications for facilitation of more effective practice in the field.

**Prerequisites:** Admission to PhD in special education or permission of instructor.

**SES 759 Grant Writing in Special Education 3**

As future leaders in the field, doctoral students will be charged with securing funding for programs/research. The purpose of this course is to help students develop grant-writing skills.

**Prerequisites:** Admission to PhD in special education or permission of instructor.

**SES 760 Single Subject Research Design 3**

Understanding the rationale, purpose, design, analysis and implementation of single subject research. Implementation within classroom settings will be discussed.

**Prerequisites:** Admission to PhD in special education or permission of instructor.

**SES 761 Coaching and Supervision of Teaching and Learning 3**

Provides opportunities for graduate students to develop a knowledge base in coaching and supervising. Topics include coaching models, cycles, supervisory approaches, and methods for giving and receiving feedback.

**Prerequisites:** Admission to P.M.C. in Instructional Coaching and/or Ph.D. in Special Education or permission of instructor.

**SES 763 College Teaching & Adult Learning Theory 3**

This course will prepare doctoral students for teaching at the collegiate level. Topics include: adult learning, course design, professional and ethical issues in teaching, and evidence-based approaches to teaching.

**Prerequisites:** Admission to PhD in Specialized Education or permission of instructor.

**SES 765 Advanced Qualitative Research for Specialized Education and Related Professionals 3**

The purpose of this course is to provide training in qualitative research methodologies as they are deployed in special education and related professionals. This course will address the unique expectations within qualitative methods for special education and related field audiences (e.g. inter rater on qualitative coding).

**Prerequisites:** Introductory-level qualitative course.

**SES 775 Directed Research 3**

Individual work on dissertation or research problems, including literature analysis, critical review, data analysis, and integration; or completion of a pilot study in preparation for the dissertation.

**Prerequisites:** Admission to PhD in special education and permission of instructor.

**Notes:** May be repeated once for credit.

**SES 790 Independent Doctoral Study 1-3**

Advanced guided readings, research, and individual project work under the direction of a graduate faculty member.

**Prerequisites:** Admission to PhD in special education and permission of instructor.

**Notes:** May be repeated for credit.

**SES 799 Dissertation 1-12**

Individual direction in the development and execution of the doctoral dissertation.

**Prerequisites:** Admission to candidacy for the PhD in special education and permission of instructor.

**SES 802 Dissertation Extension 1-3**

Dissertation Extension.

**SES 803 Research Extension 1-3**

## Statistics (STA)

**STA 107 Foundations of Elementary Probability and Statistics 1**

The focus of this course will be on improving the problem solving and computational skills necessary to succeed in Elementary Introduction to Probability and Statistics.

**Corequisites:** STA 108.

**STA 108 Elementary Introduction to Probability and Statistics 3**

Survey of statistics intended for undergraduates in any discipline. Graphical displays, numerical measures, relationships between variables, elements of good data collection. Basic probability, introduction to inferential techniques including confidence intervals and significance testing. Emphasis on statistical literacy.

**MAC:** MAC Quantitative Reasoning

**Prerequisites:** A passing score on the Statistics Readiness Diagnostic Test, or concurrent registration in STA 107;

**Notes:** May not be taken for credit by students who have received credit for ECO 250 or ECO 350 or who are concurrently enrolled in ECO 250. Students may not earn credit for both RCO 114 and STA 108.

**STA 271 Fundamental Concepts of Statistics 3**

Survey of basic descriptive and inferential statistics. Graphs and descriptive measures, simple linear regression and correlation, data collection, basic probability and probability models, interval estimation and significance testing, analysis of variance, use of statistical software. An appropriate preparation for more advanced statistics courses in any discipline.

**Prerequisites:** Grade of C or higher in one of the following courses:

MAT 115, MAT 118, MAT 120, MAT 150, MAT 151, MAT 183, MAT 190, MAT 191, MAT 196, or STA 108.

**STA 290 Introduction to Probability and Statistical Inference 3**

Introduction to probability models and statistical inference. Descriptive statistics, basic probability laws, discrete and continuous probability models, sampling distributions, central limit theorem, estimation, hypothesis testing, simple regression, and correlation.

**Prerequisites:** Grade of C or better in MAT 196 or Grade of C or better in MAT 292 or concurrent registration in MAT 292 or permission of instructor.

**STA 301 Statistical Methods 3**

Two-group comparisons, simple and multiple regression, one and two factor ANOVA, categorical data analysis, nonparametric methods.

**CIC:** CIC College Writing

**Prerequisites:** Minimum grade of C (2.0) in either STA 271 or STA 290. or permission of instructor.

**STA 352 Statistical Inference 3**

Descriptive and inferential statistics. Emphasis on sampling distributions; theory of estimation and tests of hypotheses, linear hypothesis theory, regression, correlation and analysis of variance.

**Prerequisites:** Grade of at least C in STA 290 or permission of instructor .

**STA 382 Introduction to Sampling Methods 3**

Designing survey instruments; estimation of population mean, total, and proportion using simple random, stratified, systematic, and cluster sampling; other sampling techniques such as pps sampling and randomized response methods.

**Prerequisites:** Minimum grade of C (2.0) in STA 301. or permission of instructor .

**STA 422 Introduction to Complex Data Analysis 3**

Methods for modeling and understanding complex data. Topics include linear regression models for sparse and high dimensional data sets, nonlinear models, tree-based methods, and clustering methods.

**Prerequisites:** Grade C or above in STA 301, or permission of instructor.

**STA 431 Introduction to Probability 3**

Events and probabilities (sample spaces), dependent and independent events, random variables and probability distribution, expectation, moment generating functions, multivariate normal distribution, sampling distributions.

**Prerequisites:** Grade of C or better in MAT 293 or MAT 296 and grade of C or better in STA 290 or permission of instructor.

**STA 432 Introduction to Mathematical Statistics 3**

Point estimation, hypothesis testing, confidence intervals, correlation and regression, small sample distributions.

**Prerequisites:** Grade of at least C in STA 431 or permission of instructor.

**STA 435 Theory of Linear Regression 3**

Linear regression, least squares, inference, hypothesis testing, matrix approach to multiple regression. Estimation, Gauss-Markov Theorem, confidence bounds, model testing, analysis of residuals, polynomial regression, indicator variables.

**Prerequisites:** Grade of at least C in STA 352 and MAT 310, or STA 662, or permission of instructor.

**STA 440 SAS System for Statistical Analysis 1**

Creating, importing, and working with SAS data sets. Using SAS procedures for elementary statistical analysis, graphical displays, and report generation.

**Prerequisites:** STA 271 or STA 290 or similar introductory statistics course.

**STA 442 Statistical Computing 3**

Statistical methods requiring significant computing or specialized software. Simulation, randomization, bootstrap, Monte Carlo techniques; numerical optimization. Extensive computer programming involved. This course does not cover the use of statistical software packages.

**Prerequisites:** Minimum grade of C (2.0) in STA 301. knowledge of a scientific programming language.

**STA 445 Nonparametric Statistics 3**

Introduction to nonparametric statistical methods for the analysis of qualitative and rank data. Binomial test, sign test, tests based on ranks, nonparametric analysis of variance, nonparametric correlation and measures of association.

**Prerequisites:** Grade of at least C in STA 352 or STA 662. or permission of instructor.

**STA 465 Analysis of Survival Data 3**

Methods for comparing time-to-event data, including parametric and nonparametric procedures for censored or truncated data, regression model diagnostics, group comparisons, and the use of relevant statistical computing packages.

**Prerequisites:** STA 301 or STA 352. or permission of instructor.

**STA 470 Introduction to Categorical Data Analysis 3**

Methods for analyzing dichotomous, multinomial and ordinal responses. Measures of association; inference for proportions and contingency tables; generalized linear models including logistic regression.

**Prerequisites:** Grade of at least C in STA 301, or permission of instructor.

**STA 481 Introduction to Design of Experiments 3**

Planning and analysis of experimental and observational studies. Completely randomized, blocked, split-plot, and repeated measures designs. Factorial arrangements and interaction. Power and sample size calculation.

**Prerequisites:** Minimum grade of C (2.0) in STA 301. or permission of instructor.

**STA 482 Introduction to Time Series Models 3**

Estimation/removal of trend and seasonality, introduction to stationary stochastic processes, fitting ARMA/ARIMA models, forecasting techniques, miscellaneous topics, and introduction to a time series modeling software package.

**Prerequisites:** STA 352 or permission of instructor.

**STA 491 Actuarial Exam Preparation Seminar 1**

Topics vary according to interest and demand. Intended to help prepare for the P/1, FM/2, or MLC exam.

**Prerequisites:** STA 431 or STA 687 or permission of instructor.

**Notes:** One credit maximum. May be repeated; Grade: Pass/Not Pass (P/NP).

**STA 493 Directed Study in Statistics 1-3****STA 494 Directed Study in Statistics 1-3****STA 497 Research Experience in Statistics 1-3**

Supervised research activity on contemporary research questions in the fields of statistics and its applications.

**Notes:** May be repeated once for credit as topic varies. Grade: Pass/Not Pass (P/NP).

**STA 571 Statistical Methods for Research I 3**

Introduction to statistical concepts. Basic probability, random variables, the binomial, normal and student's t distributions, hypothesis tests, confidence intervals, chi-square tests, introduction to regression, and analysis of variance.

**Notes:** Hours do not count toward degree requirements for a mathematics major.

**STA 572 Statistical Methods for Research II 3**

Statistical methodology in research and use of statistical software. Regression, confidence intervals, hypothesis testing, design and analysis of experiments, one-and two-factor analysis of variance, multiple comparisons, hypothesis tests.

**Prerequisites:** STA 571 or permission of instructor.

**STA 593 Directed Study in Statistics 1-3****STA 602 Statistical Methods for Data Analytics 3**

Introduction to fundamental statistical techniques for data analytics such as hypothesis testing, data transformation, estimation, confidence intervals, regressions models, ANOVA, multivariate analysis, non-parametric methods, and design of experiments.

**Notes:** Same as IAF 602. Prerequisite: Student in the M.S. in Informatics and Analytics or the M.S. in Applied Statistics program or permission of instructor.

**STA 606 Solving Problems with Data Analytics 3**

How data analytics is used to solve applied problems in varied contexts. Students will learn how to choose appropriate methodologies, manage data, conduct analyses and report results.

**Prerequisites:** Student in the M.S. in Informatics and Analytics or the M.S. in Applied Statistics program with a grade of C or better in IAF 601 and IAF 602 or permission of instructor.

**Notes:** Same as IAF 606.

**STA 622 Complex Data Analysis 3**

Methods for modeling and understanding complex data. Topics include linear regression models for sparse and high dimensional data sets, nonlinear models, tree-based methods, and clustering methods.

**Prerequisites:** Permission of instructor.

**Notes:** Same as IAA 622.

**STA 631 Introduction to Probability 3**

Events and probabilities (sample spaces), dependent and independent events, random variables and probability distribution, expectation, moment generating functions, multivariate normal distribution, sampling distributions.

**STA 632 Introduction to Mathematical Statistics 3**

Point estimation, hypothesis testing, confidence intervals, correlation and regression, small sample distributions.

**Prerequisites:** Grade of at least C in STA 631 or permission of instructor.

**STA 635 Theory of Linear Regression 3**

Linear regression, least squares, inference, hypothesis testing, matrix approach to multiple regression. Estimation, Gauss-Markov Theorem, confidence bounds, model testing, analysis of residuals, polynomial regression, indicator variables.

**Prerequisites:** Grade of at least C in STA 662 or permission of instructor.

**STA 640 SAS System for Statistical Analysis 1**

Creating, importing, and working with SAS data sets. Using SAS procedures for elementary statistical analysis, graphical displays, and report generation.

**STA 642 Statistical Computing 3**

Statistical methods requiring significant computing or specialized software. Simulation, randomization, bootstrap, Monte Carlo techniques; numerical optimization. Extensive computer programming involved. This course does not cover the use of statistical software packages.

**STA 645 Nonparametric Statistics 3**

Introduction to nonparametric statistical methods for the analysis of qualitative and rank data. Binomial test, sign test, tests based on ranks, nonparametric analysis of variance, nonparametric correlation and measures of association.

**STA 648 Topological Data Analysis 3**

This course covers persistent homology and topological data analysis. Topics include persistence modules, bar codes, stability, and the use of statistics and machine learning in topological data analysis.

**STA 651 Mathematical Statistics 3**

Requisite mathematics; distribution and integration with respect to a distribution. Theory of random variable and probability distributions. Sampling distributions, statistical estimation, and tests of significance. Random processes. Numerical examples.

**Prerequisites:** STA 352 and either MAT 394 or MAT 395 or MAT 595.

**STA 652 Mathematical Statistics 3**

Requisite mathematics; distribution and integration with respect to a distribution. Theory of random variable and probability distributions. Sampling distributions, statistical estimation, and tests of significance. Random processes. Numerical examples.

**Prerequisites:** STA 352 and either MAT 394 or MAT 395 or MAT 595.

**STA 654 Mathematical Data Science II: Machine Learning 3**

Based on the specialty of the instructor, selected well-known machine learning algorithms will be studied in great mathematical detail. General topics may include Regression, Dimension Reduction, Density Estimations, and Classification. Advanced topics may include Google PageRank algorithm, Manifold Learning, and the Mapper algorithm.

**Prerequisites:** MAT 653.

**STA 655 Applied Probability Models 3**

An introduction to Markov chains, Poisson processes, renewal processes, Brownian motion, and survival models. Examples drawn from applied field such as engineering, management, finance, and sciences.

**Prerequisites:** STA 631 or permission of instructor.

**STA 661 Advanced Statistics in the Behavioral and Biological Sciences I 3**

Statistical techniques and design considerations for controlled experiments and observational studies. Exploratory data analysis, elementary probability theory, principles of statistical inference, contingency tables, one-way ANOVA, bivariate regression and correlation.

**Prerequisites:** STA 271 or an equivalent introductory statistics course.

**STA 662 Advanced Statistics in the Behavioral and Biological Sciences II 3**

Continuation of STA 661. Multiple regression and correlation, analysis of covariance, factorial ANOVAs, randomized block designs, multiple comparisons, split-plot designs, repeated measures.

**Prerequisites:** STA 661 or permission of instructor.

**STA 665 Analysis of Survival Data 3**

Methods for comparing time-to-event data, including parametric and nonparametric procedures for censored or truncated data, regression model diagnostics, group comparisons, and the use of relevant statistical computing packages.

**Prerequisites:** STA 662 or permission of instructor.

**STA 667 Statistical Consulting 1**

Statistical consultation on a doctoral or master's research. Access to the Statistical Consulting Center. Students are required to attend the initial class meeting during the beginning of the semester.

**Prerequisites:** Permission of instructor.

**Notes:** Credit is not applicable to a graduate plan of study. Grade: Satisfactory/Unsatisfactory (S/U).

**STA 668 Consulting Experience 1**

Development of consulting skills through reading and discussion of literature on statistical consulting and participation in statistical consulting sessions.

**Prerequisites:** STA 662 or permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**STA 670 Categorical Data Analysis 3**

Methods for analyzing dichotomous, multinomial and ordinal responses. Measures of association; inference for proportions and contingency tables; generalized linear models including logistic regression and loglinear models.

**Prerequisites:** STA 602 or permission of instructor.

**STA 671 Multivariate Analysis 3**

Multivariate normal distribution. Cluster analysis, discriminant analysis, canonical correlation, principal component analysis, factor analysis, multivariate analysis of variance. Use and interpretation of relevant statistical software.

**Prerequisites:** ERM 680 and ERM 681, or STA 573, or STA 662, or permission of instructor.

**STA 673 Statistical Linear Models I 3**

Abstract vector spaces, inner product spaces, projections, the Spectral Theorem, least squares, multiple regression, ANOVA, multiple comparisons, data analysis.

**Prerequisites:** STA 352 and MAT 310 or permission of instructor.

**STA 674 Statistical Linear Models II 3**

Abstract vector spaces, inner product spaces, projections, the Spectral Theorem, least squares, multiple regression, ANOVA, multiple comparisons, data analysis.

**Prerequisites:** STA 352 and MAT 310 or permission of instructor.

**STA 675 Advanced Experimental Design 3**

Topics include factorials and fractional factorials, incomplete block designs, split-plot and repeated measures, random and mixed effects models, crossover designs, response surface designs, power analysis.

**Prerequisites:** STA 662 or permission of instructor.

**STA 676 Sample Survey Methods 3**

Survey methods for students from any discipline. Random, stratified, cluster, multi-stage and other sampling schemes. Estimation of population means, variances, and proportions. Questionnaire design and analysis.

**Prerequisites:** STA 602 or permission of instructor.

**STA 677 Advanced Topics in Data Analysis and Quantitative Methods 3**

Topics vary according to interest and demand. Quantitative methods not normally covered in detail in other statistics courses. Topics may be selected from psychometrics, econometrics, biometrics, sociometrics, quantitative epidemiology.

**Prerequisites:** STA 662.

**STA 682 Theory of Time Series 3**

Examples of time series, objectives in time series modeling, theory and applications of linear and non-linear time series models, ARMA/ARIMA/ARCH/GARCH models, and time series modeling using computer packages.

**Prerequisites:** STA 631 or STA 651 or permission of instructor.

**STA 690 Graduate Seminar 1**

Development of presentation skills through reading, discussions, and presentation of current research topics in applied statistics.

**Prerequisites:** STA 662 or permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**STA 691 Actuarial Exam Preparation Seminar 1**

Topics vary according to interest and demand. Intended to help prepare for the P/1, FM/2, or MLC exam.

**Prerequisites:** STA 631 or STA 687 or permission of instructor.

**Notes:** May be repeated when topic varies, grading method is Pass/Not Pass (P/NP).

**STA 698 Project in Statistics 3**

Directed research project in statistics.

**Prerequisites:** Permission of instructor.

**Notes:** Grade: Satisfactory/Unsatisfactory (S/U).

**STA 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**STA 701 Seminar in Computational Statistics 3**

Readings from the literature in Computational Statistics.

**Prerequisites:** Either STA 651, and STA 652. or STA 676; or permission of instructor;

**Notes:** May be repeated up to 9 hours as topics vary.

**STA 703 Topics in High Dimensional Data Analysis 3**

Advanced study in special topics in statistical data analysis with large scale data sets. The course may be repeated up to 9 hours as topics vary.

**Prerequisites:** STA 642, STA 673, or permission of instructor.

**Corequisites:** STA 674.

**STA 709 Topics in Computational Statistics 3**

Advanced study in special topics in Computational Statistics.

**Prerequisites:** STA 632 or STA 652 or permission of instructor.

**Notes:** May be repeated for credit.

**STA 801 Thesis Extension 1-3**

Thesis Extension.

**STA 803 Research Extension 1-3**

## Strong College (STR)

**STR 301 Strong College Tutorial 1**

A small number of Strong College students meet with a faculty member to explore an agreed upon topic. Faculty member will guide the discussion.

**Prerequisites:** Students must be members of Strong College.

**Notes:** May be repeated for 3 hours of credit.

## Supply Chain Management (SCM)

**SCM 206 Logistics and Transportation Management 3**

Microanalysis of logistics and transportation services including customer service, distribution operations, and purchasing. Topics include customer service operations, order processing, facility design and operations, carrier selection, transportation costing and negotiation.

**Prerequisites:** ISM 110.

**SCM 260 Essentials of Enterprise Resource Planning (ERP) 3**

Provides an overview of enterprise systems and supply chain business processes. It will introduce students to how enterprise systems are used to manage supply chains and make effective business decisions.

**Prerequisites:** ISM 110.

**SCM 302 Operations Management 3**

Survey of the operations functions of organizations with emphasis on design and control decisions. Qualitative and quantitative problem-solving methods used to enhance managerial competence in the operations functions.

**Prerequisites:** ACC 202, ECO 250, and ISM 110.

**SCM 304 Managing and Organizing Projects 3**

An introduction to modern methods for defining, planning, managing, and controlling large projects. Computer software and network modeling are used to support the efficient scheduling of interdependent activities.

**Prerequisites:** ISM 110 and ECO 250.

**SCM 402 Logistics and Supply Chain Management 3**

Roles of distribution and materials management in operations. Topics include inventory and distribution management, purchasing, logistics and supply chain management. Appropriate software used to facilitate decision-making.

**Prerequisites:** SCM 206 and ECO 250.

**SCM 411 Undergraduate Internship in Supply Chain Management 1-3**

Campus monitored, supervised internship experiences in organizations that involve the application of supply chain and operational analysis and methods and the development of professional skills in the field. Internships may be either paid or voluntary and must include a minimum of 50 supervised internship hours per one credit hour earned.

**Prerequisites:** Minimum 2.50 GPA. ISSC major with a Supply Chain Management concentration and permission of instructor.

**SCM 432 Supply Chain Management Project 3**

Semester-long project involving Supply Chain Management topics. Activities will include project planning, assessment and implementation planning, application of SCM knowledge and critical thinking to real world problems.

**Prerequisites:** SCM 302 and SCM 402.

**SCM 498 Independent Study 1-3**

Individual study of issues and problems in supply chain management. May include certification components and instruction. Students must arrange time and course requirements with instructor prior to registration.

**Prerequisites:** Permission of instructor, senior standing, and approval of written plan of study prior to registration.

**Notes:** May be repeated for a total of 6 semester hours with approval of department head.

**SCM 499 Problems in Supply Chain Management 3**

Group study and research with class discussion covering current supply chain management topics. Student teams interact with local firms via company projects.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for a total of 6 semester hours with approval of department head.

**SCM 635 Principles of Enterprise Resource Planning using SAP 3**

A problem-based approach to SAP and Enterprise Resource Planning concepts. Hands-on learning of integrated SAP software modules for business processes such as sales, logistics, material management, procurement, and human resources.

**Notes:** Same as ISM 635.

**SCM 650 Principles of Supply Chain Management 3**

This course presents core knowledge related to supply chain management. It provides insight into the complex, cross-functional elements of demand and supply planning and execution in a global environment.

**SCM 651 Analytics for Logistics and Distribution Management 3**

Course will focus on the analytic tools to make decisions related to logistics and distribution management. Topics will include demand management, sales and operations planning, network design, and location analysis.

**SCM 652 Strategic Cost, Procurement, and Supply Chain Finance 3**

Overview of strategic cost management and procurement in the supply chain; tactics in effective management of the procurement process and total cost of ownership; management of total supply chain costs.

**SCM 678 Project Management for Dynamic Environments 3**

Modern methods of defining, planning and executing large scale projects. Computer software and network models are used to support the efficient scheduling of interdependent activities.

**SCM 680 Independent Study in Supply Chain Management 3**

Explore in-depth contemporary issues of relevance and interest to the student under the guidance of a faculty member.

**Prerequisites:** Admission to the graduate certificate in Supply Chain, Logistics and Transportation Management (SCLTM).

**SCM 682 Executive Mentorship in Supply Chain Management 3**

Students in the experimental learning course interact with instructor and mentor to gain in-depth knowledge related to supply chains, logistics and transportation. The mentor is an executive within the industry.

**Prerequisites:** Admission to the graduate certificate in Supply Chain, Logistics and Transportation Management (SCLTM).

**Notes:** May be repeated for a maximum of 6 credits.

## Teacher Education (TED)

**TED 150 Changing the World through Education 3**

This MAC Foundations course helps new students transition successfully to academic and student life at UNCG. The vision for this course is to develop a blend of exploring & claiming what you need for success at UNCG and envisioning how you can change the world through careers in education.

**MAC:** MAC Foundations

**TED 160 Learning through Making: Designing your College Pathway 3**

This MAC Foundations course supports students to explore their aspirations as college students through making and design. Students work with a campus club or organization that aligns with their interests and pitch the design of an educational resource to inform the campus community of their work.

**MAC:** MAC Foundations

**TED 198 Freshman Teaching Fellows Seminar I 1**

This course is designed to assist first-year Teaching Fellows into the academic and social systems of higher education and provide an introduction to the field of public school education.

**Prerequisites:** North Carolina Teaching Fellow.

**TED 199 Freshman Teaching Fellows Seminar II 1**

This course is designed to assist first-year Teaching Fellows into the academic and social systems of higher education and provide an introduction to the field of public school education.

**Prerequisites:** North Carolina Teaching Fellow.

**TED 222 Mathematics for Teaching 3**

Focuses on the mathematical understanding needed for elementary grades mathematics instruction as related to K-5 learners. Content emphases include number and operations, algebra, and data analysis and probability.

**Prerequisites:** MAT 112 or higher.

**TED 223 Mathematics for Teaching Middle Grades 3**

This course explores the mathematical content of middle school mathematics: numbers and operations, algebra, measurement, statistics, probability, and geometry. It is structured to build students' conceptual understanding of mathematics.

**Prerequisites:** TED 222. MDED major.

**TED 224 English Language Arts Concepts for Middle Grades Teachers 3**

This course addresses foundational concepts in middle school English language arts, including theories and processes of reading, writing, and discourse.

**Prerequisites:** MDED major. Admission to the Teacher Education Program.

**TED 250 Teaching as a Profession 3**

A study of traditional and contemporary perspectives on teaching and learning; analysis of contemporary educational issues from teachers' perspectives; exploration of personal needs and goals in relation to teaching. Field experience in schools required.

**TED 275 Professional Development Schools 9**

Placeholder course for Elementary and Middle Grades Education students (undergraduates) who apply for admission to the Teacher Education major in the spring and early summer.

**TED 296 Study Abroad for Global Engagement: Field Experience 1**

Second of three courses taken in conjunction with a UNCG Study Abroad Exchange. Online individual study focusing on the field experience and appropriate engagement in international, intercultural, and/or multicultural contexts.

**Prerequisites:** IGS 295. Acceptance to a UNCG Study Abroad Exchange Program;

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 296, SES 296.

**TED 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications 1**

Third of three courses taken in conjunction with a UNCG Study Abroad Exchange. Focus on the re-entry and re-acclimation processes and the integration of intercultural development into future contexts.

**Prerequisites:** IGS 296. Acceptance to a UNCG Study Abroad Exchange Program;

**Notes:** May repeated up to three times (for three different exchange experiences) for credit when topic varies for a total of 3 s.h.. however, may apply only once toward Liberal and Interdisciplinary Studies, B.A.: IGS concentration requirements; Grade: Pass/Not Pass (P/NP); Same as IGS 297, SES 297.

**TED 298 Sophomore Teaching Fellows Seminar I 1**

This course is designed to assist sophomore Teaching Fellows in exploring their beliefs about teaching with emphasis on cultural, legal, and ethical dimensions of teaching in schools.

**Prerequisites:** North Carolina Teaching Fellow .

**TED 299 Sophomore Teaching Fellows Seminar II 1**

This course is designed to assist sophomore Teaching Fellows in exploring their beliefs about teaching with emphasis on cultural, legal, and ethical dimensions of teaching in schools.

**Prerequisites:** North Carolina Teaching Fellow .

**TED 320 Language Arts Education 3**

Curriculum and teaching strategies in the Language Arts with emphasis on the interrelatedness of all language processes: reading, writing, listening, and speaking.

**Prerequisites:** ELED or ELSP major.

**TED 335 Language Foundations for Teachers 3**

Introductory study of the components of English phonology, morphology, semantics, syntax, and sociolinguistics with a special emphasis on the K-12 classroom application of this knowledge.

**TED 345 Humanizing Pedagogies in Elementary Education 3**

This course critically analyzes how teachers' and students' identities affect learning environments. The course explores humanizing pedagogies that promote equity in teaching and learning and provides practical knowledge for implementing these theories in elementary school classrooms.

**Prerequisites:** ELED majors, ELC 281 or concurrent enrollment in ELC 281.

**TED 350 Internship I: Inquiry in Teaching and Learning 3**

Supervised in-school internship and on-campus seminar focused on applying research-based principles from educational psychology and classroom management to teaching and learning.

**Prerequisites:** ELED, MDED, or SPEL major.

**TED 360 Integrating the Social Studies in Elementary Grades 3**

An examination of curriculum, instruction, and learning in K-6 social studies education. Emphases include development of the social studies; curricular principles and components; teaching strategies; and learner outcomes.

**Prerequisites:** ELED or ELSP major.

**TED 370 Science Education in the Elementary School 3**

Curriculum and teaching techniques in science for undergraduate prospective elementary school teachers (K-6) with emphasis on problem solving and critical thinking abilities.

**Prerequisites:** ELED or ELSP major.

**TED 375 Internship II: Inquiry in Teaching and Learning 3**

Supervised in-school internship and on-campus seminar focused on applying research-based principles from educational psychology and classroom management to teaching and learning.

**Prerequisites:** ELED major.

**TED 380 Mathematics Education 3**

Provides for the development of knowledge and skills necessary to prepare students to teach mathematics in elementary/middle school classrooms.

**Prerequisites:** ELED, ELSP, or MDED major.

**TED 398 Junior Teaching Fellows Seminar I 1**

This course is designed to assist junior Teaching Fellows in exploring the community aspects of teaching to diversity.

**Prerequisites:** North Carolina Teaching Fellow .

**TED 399 Junior Teaching Fellows Seminar II 1**

This course is designed to assist junior Teaching Fellows in exploring the community aspects of teaching to diversity.

**Prerequisites:** North Carolina Teaching Fellow.

**TED 400 Internship III: Inquiry in Teaching and Learning 3**

Supervised in-school internship and on-campus seminar focused on multicultural education teaching to diversity, and understanding the classroom as culture.

**Prerequisites:** ELED or SPEL major.

**TED 401 Child and Adolescent Development and Learning 1**

Definitions and content of theories of development and learning. Enrollment is limited to students who are pursuing initial teacher licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**TED 402 Student Engagement in the Classroom 1**

Environmental and interpersonal factors in effective classroom management. Enrollment is limited to students who are pursuing initial teacher licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**TED 403 Teaching Multilingual Learners with Diverse Abilities 1**

Cultural, legal, and pedagogical understandings related to teaching multilingual learners with diverse abilities in general education classrooms. Enrollment is limited to students pursuing initial teaching licensure.

**Prerequisites:** Admission to the Teacher Education Program.

**TED 406 Institutes in Education 1-3**

Practicum or workshop experiences to focus on issues, problems, or approaches in the profession.

**TED 416 Emergent Literacy and Literature 3**

Explores emergent literacy development from birth to age 5 and investigates the role that texts play in young children's development.

**TED 420 Reading Education 3**

Curriculum and teaching strategies with emphasis on reading/writing connections, corrective reading, and differentiated instruction.

**Prerequisites:** Admission to Elementary Education or dual major in Elementary and Special Education.

**TED 421 Reading Education in the Middle Grades 3**

This course examines who middle grades struggling readers are, what challenges content learning may present them, and how content area teachers can address the diverse literacy needs of students.

**Prerequisites:** MDED major.

**TED 423 Legal, Historical, and Cultural Issues in ESL 3**

Exploration of legal and historical bases of English as a Second Language. Analysis of differences among home and school cultures, especially related to language.

**Prerequisites:** Standard Professional I License in another area or permission of instructor.

**TED 425 Dual Language Instructional Practice 3**

This course focuses on teaching in a dual language classroom setting including instructional methods as well as a theoretical framework that supports multilingualism and multiliteracy practices.

**Prerequisites:** Permission of instructor.

**TED 428 Advanced Methods in the Elementary Grades 3**

Advanced study of methods for teaching, integrating, differentiating, and assessing a specific discipline in the elementary education curriculum. Content area will coincide with team focus.

**Prerequisites:** Satisfactory standing in Elementary Teacher Education or dual major in Elementary and Special Education.

**TED 430 Middle Grades Language Arts 3**

This course addresses the design of research-informed English language arts curricula and instruction for the middle grades.

**Prerequisites:** MDED major.

**TED 435 Literacy in the Content Area 3**

Designed to prepare middle grades, secondary, and special subject or content area teachers to work with students who exhibit a variety of reading and writing levels.

**Prerequisites:** Admission to Teacher Education.

**TED 442 Teaching and Learning in the Middle Grades 3**

Students will explore the developmental needs of early adolescents, analyze educational practices designed to meet those needs and investigate issues identified in internship experiences.

**Prerequisites:** TED 250.

**TED 444 Educational Psychology for the Secondary Grades 3**

The application of the principles of educational psychology (i.e., adolescent development, diversity, learning theory, motivation, and assessment) to teaching high school students.

**TED 445 Human Diversity, Teaching, and Learning 3**

Examines how the multiple identities of race, ethnicity, socioeconomic status, gender, and religion affect the teaching and learning environment. Issues of classroom management for maximum instructional delivery are also included.

**TED 446 Literacy Development and Assessment in Middle Grades 3**

The course addresses the acquisition of literacy and literate practices and the factors that impede or enhance literacy development across the school years, with an emphasis on how middle grades English language arts teachers might understand and address individual needs in literacy.

**TED 447 Literature and Reading in the Middle Grades 3**

This course includes an exploration of literature written for young adults and its role in the expansion of young adolescents' literate, academic, personal, social, and emotional lives.

**TED 450 Psychological Foundations of Education 3**

Designed to develop and demonstrate application of knowledge and understanding of the processes and methods of learning and teaching in respective school settings. Includes study of learner's growth and maturation, individual differences, and application of psychology to task of the teacher in evaluating pupil progress. Classroom observation and simulated experiences emphasized. Appropriate emphasis on adolescent

**TED 451 Teaching Practices and Curriculum in English 3**

Designed to acquaint prospective teachers with modern concepts and practices of English instruction in secondary schools; emphasis on teaching four fundamental language arts: speaking, writing, reading, and listening.

**Prerequisites:** TED 445, admission to the Teacher Education Program, and an overall minimum GPA of 2.75. or permission of instructor;

**Notes:** Required of student teachers in English.

**TED 452 Educational Psychology for the Middle Grades 3**

The application of the principles of educational psychology (i.e., adolescent development, diversity, learning theory, motivation, and assessment) to teaching middle school students.

**Prerequisites:** MDED major .

**TED 453 Teaching Practices and Curriculum in Social Studies 3**

Organization of social studies in secondary schools; classroom methods, techniques, and activities; teaching materials; and testing and evaluation.

**Prerequisites:** TED 445, admission to the Teacher Education Program, and an overall minimum GPA of 3.0. or permission of instructor;

**Notes:** Required of student teachers in social studies.

**TED 454 Middle Grades Social Studies Education 3**

Examination of candidate competencies in middle grades social studies instruction. Emphases include practical and theoretical attention to curriculum development, planning, resources, standards, instructional strategies, and assessment.

**Prerequisites:** MDED major.

**TED 458 Middle and Secondary Mathematics Education 3**

Development of middle grades mathematics instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

**Prerequisites:** MDED major. CPT student; lateral-entry middle grades mathematics teacher status (without having completed a middle-grades mathematics methods course); or permission of instructor;

**Corequisites:** MDED major or CPT student: TED 375 or equivalent.

**Notes:** CPT (classroom practice track) students have a bachelor's degree in a discipline other than education and want to pursue an education degree.

**TED 459 Teaching Practices and Curriculum in Science 3**

Development of philosophy of science teaching and of attitudes and values relative to science teaching in secondary school. Emphasis on recent curriculum studies in biology, chemistry, physics, and earth-science and the changing approaches to teaching these subjects.

**Prerequisites:** TED 445 and admission to the Teacher Education Program. or permission of instructor;

**Notes:** Required of student teachers in science.

**TED 460 Middle Grades Science Education 3**

Develops candidate competencies in middle grades science instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

**Prerequisites:** MDED major.

**TED 461 Student Teaching: Elementary Grades 9**

Supervised student teaching in an elementary setting (grades K–6) under direction of a cooperating teacher with university supervision. Full-time teaching assignment in cooperating schools for a full semester. Conferences and seminars required.

**Prerequisites:** Admission to the Teacher Education Program.

**Notes:** Grade: Pass/Not Pass (P/NP).

**TED 462 Student Teaching: Middle Grades 9**

Supervised student teaching in a middle grades setting (grades 6–9) under direction of a cooperating teacher with University supervision. Full-time teaching assignment in cooperating schools for a full semester.

**Notes:** Grade: Pass/Not Pass (P/NP).

**TED 463 Nature of Science, Technology, and Society 3**

Study of nature of science, encompassing literature from history, philosophy, and sociology of science. Applications of this literature on school science instruction.

**Prerequisites:** TED 459 or equivalent science methods course.

**Notes:** May be repeated for credit when topic varies.

**TED 465 Student Teaching: Secondary School 9**

Supervised student teaching in senior high school under direction of university supervisor. Observation, participation, and appropriate classroom teaching experience on a full-time teaching assignment for full semester with weekly seminar.

**Prerequisites:** Admission to Student Teaching.

**TED 466 Student Teaching Seminar 3**

The Student Teaching Seminar course is designed to accompany the student teaching experience. A primary focus of the Seminar will be to prepare students to complete all state licensure requirements (e.g., edTPA). A secondary focus will be to serve as a space to debrief about the student teaching experience as well as to prepare students for the educational job market.

**TED 475 Teaching in Multilingual Settings 3**

This course provides a practicum experience in a K-12 English as a Second Language (ESL) classroom or Dual Language (DL) classroom in order to deepen understanding of teaching multilingual students.

**TED 480 Education in Global Settings 6**

The course is designed for students who are interested in exploring education issues through guided study-abroad experiences. Students will participate in field experiences and interact with students and teachers abroad.

**Notes:** May be repeated for a cumulative total of 6 s.h.

**TED 490 Community Literacies and Adult Learners 3**

This course focuses on working with adult learners, including families of K-12 multilingual learners, who are learning English as an additional language, in both formal and informal settings.

**TED 491 Independent Study 1-3**

Guided readings, research, or individual project work under direction of a staff member.

**Prerequisites:** Permission of instructor.

**TED 494 Decolonizing Approaches to Education and Research 3-6**

Students learn approaches to decolonizing research and education through readings and in partnership with local community members.

**Notes:** May be repeated for credit when topic varies.

**TED 498 Senior Teaching Fellows Seminar I 1**

This course is designed to assist senior Teaching Fellows in synthesizing learnings from prior Teaching Fellows seminars and preparing for positions in public schools.

**Prerequisites:** North Carolina Teaching Fellow.

**TED 499 Senior Teaching Fellows Seminar II 1**

This course is designed to assist senior Teaching Fellows in synthesizing learnings from prior Teaching Fellows seminars and preparing for positions in public schools.

**Prerequisites:** North Carolina Teaching Fellow.

**TED 506 Institutes in Education 1-3**

Practicum or workshop experiences to focus on issues, problems, or approaches in the profession.

**Notes:** Grading method is Satisfactory/Unsatisfactory (S/U). Students may apply no more than 3 credit hours of this course to any degree program.

**TED 516 Emergent Literacy and Literature 3**

Explores emergent literacy development from birth to age 5 and investigates the role that texts play in young children's development.

**TED 518 Mathematics in the Elementary Schools 3**

Current mathematics program, including emphasis on meaning theory and on instructional materials, methods, and procedures in teaching fundamental operations.

**TED 519 Science in the Elementary School 3**

Designing and developing science learning experiences for children in the biological, physical, earth, and space sciences. The nature of elementary school science and children's interests are considered.

**TED 520 Social Studies in the Elementary School 3**

Designed to help educators gain more complete understanding of elementary school social studies. Special emphasis given to evaluation of the field beginning with the separate subjects approach to correlation, to broad fields, to integration, and separate disciplines approach. Emphasis also given to identification of key skills that help children function.

**TED 523 Legal, Historical, and Cultural Issues in ESL 3**

Exploration of legal and historical bases of English as a Second Language. Analysis of differences among home and school cultures, especially related to language.

**Prerequisites:** Standard Professional I License in another area or permission of instructor.

**TED 525 Dual Language Instructional Practice 3**

Focuses on teaching in a dual language classroom setting including instructional methods as well as a theoretical framework that supports multilingualism and multiliteracy practices.

**Prerequisites:** Permission of instructor.

**TED 530 Middle Grades Language Arts 3**

Course develops competencies in middle grades language arts instruction as related to adolescent learners. Emphases include practical and theoretical attention to best-practices, curriculum, assessment, and standards of practice.

**Prerequisites:** MDED major.

**TED 535 Literacy in the Content Area 3**

Designed to prepare middle grades, secondary, and special subject or content area teachers to work with students who exhibit a variety of reading and writing levels.

**Prerequisites:** Admission to the Teacher Education or M.Ed. program.

**TED 545 Human Diversity, Teaching, and Learning 3**

Examines how the multiple identities of race, ethnicity, socioeconomic status, gender, and religion affect the teaching and learning environment. Issues of classroom management for maximum instructional delivery are also included.

**Prerequisites:** Admission to the Teacher Education Program or permission of department.

**TED 551 Teaching Practices and Curriculum in English 3**

Designed to acquaint prospective teachers with modern concepts and practices of English instruction in secondary schools; emphasis on teaching four fundamental language arts: speaking, writing, reading, and listening.

**Prerequisites:** TED 445, admission to the Teacher Education program, and an overall minimum GPA of 2.75, or permission of instructor.

**Notes:** Required of student teachers in English.

**TED 553 Teaching Practices and Curriculum in Social Studies 3**

Organization of social studies in secondary schools; classroom methods, techniques, and activities; teaching materials; and testing and evaluation.

**Prerequisites:** TED 445, admission to the Teacher Education program, and an overall minimum GPA of 3.0, or permission of instructor.

**Notes:** Required of student teachers in Social Studies.

**TED 554 Middle Grades Social Studies Education 3**

Examination of candidate competencies in middle grades social studies instruction. Emphases include practical and theoretical attention to curriculum development, planning, resources, standards, instructional strategies, and assessment.

**Prerequisites:** MDED major.

**TED 558 Middle and Secondary Mathematics Education 3**

Development of middle grades mathematics instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

**Prerequisites:** Lateral-entry middle grades mathematics teacher status (without having completed a middle-grades mathematics methods course) or permission of instructor.

**TED 559 Teaching Practices and Curriculum in Science 3**

Development of philosophy of science teaching and of attitudes and values relative to science teaching in secondary school. Emphasis on recent curriculum studies in biology, chemistry, physics, and earth-science and the changing approaches to teaching these subjects.

**Prerequisites:** TED 545 and admission to the Teacher Education program or permission of instructor.

**Notes:** Required of student teachers in Science.

**TED 560 Middle Grades Science Education 3**

Develops candidate competencies in middle grades science instruction as related to adolescent learners. Emphases include practical and theoretical attention to best practices, curriculum, assessment, and standards of practice.

**TED 575 Teaching in Multilingual Settings 3**

Provides a brief internship experience in a K-12 English as a Second Language (ESL) classroom or Dual Language (DL) classroom in order to deepen understanding of teaching multilingual students.

**TED 580 Education in Global Settings 6**

The course is designed for students who are interested in exploring education issues through guided study-abroad experiences. Students will participate in field experiences and interact with students and teachers abroad.

**Notes:** May be repeated for a cumulative total of 6 s.h.

**TED 590 Community Literacies and Adult Learners 3**

Focuses on working with adult learners, including families of K-12 multilingual learners, who are learning English as an additional language, in both formal and informal settings.

**TED 603 Literacy Instruction for Multilingual Learners 3**

Basic knowledge of theory and research in second language acquisition and literacy development and strategies and techniques for effective literacy instruction for multilingual learners.

**TED 604 Applied Linguistics for Teachers 3**

Linguistics theories on phonology, morphology, syntax, psycholinguistics and sociolinguistics; basic theories of second language acquisition; and application of the theories and models of applied linguistics in multilingual instruction.

**TED 610 Integrating Technology into Subject Matter Instruction 3**

Study of ways to integrate a variety of computer-based technologies for teaching and learning content in the K-12 curriculum. Designed for classroom teachers, computer teachers, and computer specialties.

**TED 614 Word Study 3**

Designed to familiarize educators with underlying developmental theories and teaching strategies for word recognition, spelling, and vocabulary development. Special attention given to issues surrounding phonics.

**TED 615 Literacy in the Early Years 3**

Course explores how children learn to read and how to facilitate readers' growth in the primary grades. Emphasis on at-risk readers.

**TED 616 Literacy Development and Instruction Across the Elementary Grades 3**

Designed to give teachers a deeper understanding of the theories and research behind effective reading instruction for students in the elementary grades.

**TED 617A Practicum in Literacy Assessment and Instruction 3**

Causes of reading disabilities, diagnostic instruments, standard and informal assessments, report writing, and materials and methods of struggling readers. Work with individual students or small groups identified as struggling readers.

**Prerequisites:** TED 614, TED 615, and TED 616 or permission of instructor.

**TED 617B Advanced Practicum in Literacy Assessment, Instruction, and Leadership 3**

Further examination of struggling readers in a supervised, clinical context. Evaluation of formal and informal assessments, the generation of educational prescriptions, and the directions of assessment procedures.

**Prerequisites:** TED 617A or permission of instructor.

**TED 618 Teaching English as a Second Language 3**

Specific instructional methods and strategies to facilitate content area instruction and English language development for multilingual learners.

**TED 619 Issues and Trends in Literacy Education 3**

Examines contemporary issues in Literacy Education. Special attention to the changing contexts of literacy curricula and instruction.

**Prerequisites:** Minimum of 9 credit hours in reading education and TED 604 or TED 605 or permission of instructor.

**TED 623 Environmental Education 3**

Teachers will design, conduct, and evaluate environmental education activities. Course activities partially fulfill requirements for North Carolina environmental education certification.

**Prerequisites:** TED 545, TED 669, ERM 605, or permission of the instructor.

**Notes:** Weekend field trip is required. May be repeated for credit when topic varies.

**TED 625 Mathematics in the Elementary School II 3**

Elementary grades mathematics instruction for K-5 learners. Emphasizes practical and theoretical attention to best practices, curriculum, assessment, and standards of practice focusing on Geometry, Data Analysis & Probability, and Measurement.

**Prerequisites:** Admission to the MAT, Elementary Education concentration, or permission of instructor.

**TED 626 Middle Grades Curriculum and Instruction 3**

Curricular and instructional principles, processes, and designs applicable to students in the middle grades. Particular emphasis is given to exemplary middle school programs.

**Prerequisites:** Permission of instructor.

**TED 628 Trends and Issues in Curriculum and Instruction 3**

Examination of selected current trends and issues in curriculum and instruction, focusing on causes, intentions, and effects of policies at the local, state, and national levels.

**Notes:** May be repeated for credit when topic varies.

**TED 629 Academic Discourse Communities in Graduate Studies 3**

Examines efficient techniques for evaluating academic research and for developing writing and oral skills in different genres of academic discourses appropriate to disciplinary communities.

**TED 630 Mathematics Teaching in Middle and Secondary Studies 3**

Examines models of mathematics instruction in middle grades and secondary mathematics classrooms.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**TED 631 Trends in Teaching Practices and Curriculum in Secondary School Social Studies 3**

Historical development and objectives of social studies curriculum in schools; structure of individual disciplines in social studies, trends and new direction in curriculum, and implications of significant research in social studies curriculum and methodology.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**TED 632 Science Education: Teaching Practices and Curriculum 3**

Application of reform efforts in the sciences with attention given to eco and social justice perspectives.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**TED 634 Seminar in Middle Grades Education 3**

Will focus on the unique needs of students and teachers in middle level schools.

**Prerequisites:** Completion of a course in middle grades curriculum and instruction.

**TED 636 Educational Psychology and Differentiated Instruction 3**

Understanding and applying current theory and research addressing education psychology (child/adolescent development, learning theory and motivation) and differentiated instruction.

**Prerequisites:** Admission to the Master of Arts in Teaching (M.A.T.) program.

**TED 640 Writing Instruction Across the Grade Levels 3**

Interrelates knowledge, research and practice in teaching writing as a process across grade levels from elementary through secondary levels. Special attention to implementing the writing process across the curriculum.

**TED 641 Literacy I: Reading Instruction 3**

Course focuses on how children learn to read and write and what classrooms teachers can do to facilitate their growth as readers and writers in the elementary grades.

**Prerequisites:** Admission to the M.A.T. in Elementary Education or permission of instructor.

**TED 642 Literacy II: Language Arts Instruction 3**

Integrated reading and language arts course designed to prepare students to teach reading and writing in the elementary grades.

**Prerequisites:** Admission to the M.A.T. in Elementary Education or permission of instructor.

**TED 646 Introduction to Equity Education 3**

Designed to support students in expanding their views about equity and education to include family and community practices around broadened understandings of community/cultural assets for pedagogical practices.

**Notes:** Same as LIS 676.

**TED 647 Teaching and Learning in Makerspaces 3**

This course focuses on Making/Makerspace across formal and informal learning contexts. Students will learn a suite of making practices, informed by theoretical lenses grounded in equity and strength-based approaches.

**TED 648 Design-based Action Research in Education 3**

In this course students in the Design and Making in Education Certificate Program develop and implement a design-based research project to integrate Making into their professional context.

**Prerequisites:** TED 646, TED 647, and TED 618 or TED 619 or TED 623 or TED 667 or other course approved by advisor.

**TED 650 Establishing and Maintaining a Responsive Classroom****Environment 3**

Competencies in motivating and increasing student learning through the development of positive interpersonal relationships in the classroom, effective classroom organization and instruction, and altering unproductive student behavior.

**Prerequisites:** Permission of instructor.

**TED 651 Teaching Life Sciences 3**

Analysis and expansion of content knowledge and pedagogical content knowledge related to core ideas and crosscutting concepts in earth sciences appropriate for K-12 science teachers.

**Prerequisites:** Graduate student in teacher education program or permission of instructor.

**TED 652 Teaching Physical Sciences 3**

Analysis and expansion of content knowledge and pedagogical content knowledge related to core ideas and crosscutting concepts in earth sciences appropriate for K-12 science teachers.

**Prerequisites:** Graduate student in teacher education program or permission of instructor.

**TED 653 Teaching Earth and Space Sciences 3**

Analysis and expansion of content knowledge and pedagogical content knowledge related to core ideas and crosscutting concepts in earth sciences appropriate for K-12 science teachers.

**Prerequisites:** Graduate student in teacher education program or permission of instructor.

**TED 657 Nature of Science, Technology, and Society 3**

Study of nature of science, encompassing literature from history, philosophy, and sociology of science. Applications of this literature on school science instruction.

**Prerequisites:** TED 559 or equivalent science methods course.

**Notes:** May be repeated for credit when topic varies.

**TED 658 Number Systems and Operations: K-5 Mathematical Tasks 3**

Analysis and construction of effective mathematical tasks in teaching number systems and operations at the K-5 level; attention also given to expansion of content knowledge.

**Prerequisites:** Teacher licensure.

**TED 659 Rational Numbers and Operations: K-5 Learning Trajectories 3**

Focus on rational number concepts through learning trajectories at the K-5 level; attention also given to problem solving and content knowledge.

**Prerequisites:** TED 658.

**TED 660 Data Analysis and Measurement: K-5 Classroom Interactions 3**

Focus on statistical literacy of elementary teachers and the teaching of data analysis and measurement to K-5 students; attention also given to learning methods that facilitate appropriate classroom interactions.

**Prerequisites:** TED 658.

**TED 661 Algebraic Reasoning: K-5 Discourse and Questioning 3**

Focus on the early algebra concepts of functional thinking and generalized arithmetic in relationship to pedagogical practices centered on questioning in the mathematics classroom.

**Prerequisites:** TED 658.

**TED 662 Geometry and Spatial Visualization: K-5 Assessment 3**

Geometric concept development along with formative and summative assessment strategies of students' geometric thinking; attention also is given to geometric content knowledge and diagnosis of student errors.

**Prerequisites:** TED 658.

**TED 663 Mathematical Modeling: K-5 Leadership 3**

Generating mathematical representations and making explicit connections between concepts. Pedagogy designed to equip elementary teachers to become mathematics teacher-leaders in school settings.

Focus given to topics integrated within mathematical strands.

**Prerequisites:** TED 658, TED 659, TED 660, TED 661, TED 662.

**TED 664 Teaching Problem Solving 3**

Survey of methods and materials for teaching problem solving and evaluating problem solving performance of students. Development of instructional programs on problem solving and assessment of their effects.

**Prerequisites:** Admission to a graduate program or permission of instructor.

**TED 668 Seminar in Mathematics Pedagogy 3**

Analysis of alternative pedagogy for specific mathematics content, with design of instruction and assessment based on that analysis.

**Notes:** May be repeated for credit. Maximum of 6 credit hours applicable toward any degree.

**TED 669 Educational Implications of Learning and Developmental Theory**

3

How learning and developmental theories define the teacher's role as instructional leader, how curricular materials might be designed and used, and student learning and motivation.

**Notes:** Same as LIS 669.

**TED 670 Research in Mathematics Education 3**

Research in mathematics instruction and learning; attention to synthesizing and identifying educational implications of research.

**TED 671 Thinking and Learning in Middle Grades and Secondary Mathematics: Number and Algebra 3**

An examination of research on the teaching and learning of number and algebra in middle grades and secondary mathematics classrooms.

**TED 672 Instructional Design 3**

Components of the systems approach to instructional design.

**Notes:** Same as LIS 672.

**TED 673 Thinking and Learning in Middle Grades and Secondary Mathematics: Geometry, Statistics, and Probabil 3**

An examination of research on the teaching and learning of geometry, statistics, and probability in middle grades and secondary mathematics classrooms.

**TED 676 Teacher as Researcher and Leader I 3**

Leadership skills for teachers working with school, district, state, and/or national initiatives and issues. Course focuses on inquiry, developing an action research proposal, and practical application of findings.

**Prerequisites:** ERM 605 and 24 hours of MEd course work, or permission of instructor.

**TED 677 Teacher as Researcher and Leader II 3**

Conducting and interpreting a teacher action project investigating curriculum, instruction, teaching, and learning. Course focuses on systematic inquiry, conducting research, practical application of findings, and sharing research in professional settings. May be repeated once for credit.

**Prerequisites:** TED 676.

**Notes:** May be repeated once for credit.

**TED 680A Clinical Experience in Teaching 3-6**

Supervised in-school clinical experience. Required full-time teaching.

**Prerequisites:** Admission to M.Ed. or M.A.T. program or permission of department.

**TED 680B Clinical Experience in Teaching Seminar 3**

Seminar focused on the ways students learn within the classroom and community context.

**Prerequisites:** Admission to M.Ed. or M.A.T. program or permission of department.

**TED 688 Contemporary Problems Seminar 1-3**

Specific course title identified each semester by a subscript (e.g., Contemporary Problems Seminar; Issues in Professional Negotiations).

**Prerequisites:** Advanced master's or doctoral standing or permission of instructor.

**Notes:** May be repeated for credit when topic varies.

**TED 692 Independent Study 1-4**

Guided readings, research, and individual project work under direction of a staff member.

**Prerequisites:** Permission of instructor.

**TED 695 Youth Literacies: Advanced Topics in Education 3**

Examining theory and practice in youth literacies. Pedagogy designed to equip secondary language arts teachers to teach 21st centuries literacies. Emphasis on media literacies and out-of-school literacies.

**TED 696 Classroom Language Assessment 3**

An introduction to classroom-based approaches to language assessment for bi-/multi-lingual language learning contexts for in-service and pre-service language teachers.

**TED 699 Thesis 1-6**

Individual guidance and direction in the development of research problem in the master's degree thesis.

**TED 728 Topics in Curriculum and Instruction 3**

Advanced study of special topics in curriculum and teaching.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated up to three times for credit when topic varies.

**TED 729 Topics in Math and Science Education 3**

This variable-topics course provides an opportunity for advanced study of conceptual or methodological topics in math and science education. Specific course topic identified each semester by an extended title.

**Prerequisites:** Permission of Instructor.

**Notes:** May be repeated up to three times for credit when topic varies.

**TED 730 Qualitative Methods in Curriculum and Instruction 3**

Qualitative research design in education, including its history, philosophy and nature. Includes discussion of types of qualitative research, assessment issues, and critical reading of qualitative research.

**TED 735 Design-Based Research in Education 3**

Overview of design-based research methods including its history and current literature. Topics include research design, data collection, data analysis, and proposed writing for a design-based research study.

**TED 738 Mixed Methods Research Design in Curriculum and Instruction 3**

Overview of mixed methods research including its history, current literature, and typology. Topics include research design, data collection, data analysis, validity, and proposed writing for a mixed methods study.

**TED 744 Seminar in Composition Studies 3**

Studies in special topics related to literacy, the process of composing, composition pedagogy, and composition research.

**Prerequisites:** ENG 522, ENG 747 or permission of instructor.

**Notes:** May be repeated once for credit when topic varies, same as ENG 744.

**TED 746 Seminar: Research on Teaching 3**

Competencies in thinking critically about research on teaching with respect to the findings of research and the methodologies for conducting research on teaching.

**Prerequisites:** Admission to TED/HED doctoral program and grade of B (3.0) or better in TED 749.

**TED 747 Doctoral Seminar in Learning and Cognition 3**

Major historical/contemporary theory/research regarding learning and cognition. Examine, critique, and synthesize relevant assumptions, concepts, principles, implications, issues, controversies, and research methodologies, and apply these understandings to contemporary educational issues.

**TED 749 Disciplined Inquiry in Teacher Education 3**

Students will learn about various methods for disciplined inquiry in the fields of curriculum and instruction, begin to develop their research interests, and practice critical reading and writing strategies.

**TED 759 College Teaching Practicum 3**

Supervised experiences in teaching college level course(s).

**Prerequisites:** Advanced standing in the curriculum and teaching doctoral track and permission of instructor.

**TED 760 Theory in Math and Science Education 3**

Overview of major topics, theories, and influential research programs in math and science education. Students will consider educational research, practice, and policy as well as their intersections.

**Prerequisites:** Permission of instructor.

**TED 761 Student Reasoning in Math and Science Education 3**

Course will showcase the complexity and power of K-12 students' ways of reasoning in math and science in conjunction with research methods for capturing this reasoning.

**Prerequisites:** Permission of instructor.

**TED 762 Pedagogy in Math and Science Education 3**

Course will focus on scholarship related to math and science teaching and the development of this expertise, including teacher education for prospective teachers and professional development for practicing teachers.

**Prerequisites:** Permission of instructor.

**TED 765 Research in Equity Education 3**

Examines the research knowledgebase in equity education and facilitates the design of culturally sensitive studies. Particular emphasis on race/ethnicity, gender, and class issues related to the design of research studies that affirm equity and perpetuate social justice.

**Prerequisites:** TED 646 and TED 730 or other qualitative research methodology course or permission of instructor.

**TED 767 Qualitative Data Collection and Analysis 3**

In-depth experience in qualitative data collection and analysis beyond the introductory level. Completion of a qualitative research project in collaboration with other students in the class.

**Prerequisites:** ELC 664, ELC 665 or other course in qualitative research.

**TED 770 Community Engaged Research and Practice 3**

An in-depth exploration of the history, theory, ethics, research methods, and reporting of community-engaged research with an emphasis on positionality and reflexivity. Research practices in community settings are required.

**Prerequisites:** TED 730, ELC 664, ELC 665, ERM 750 or permission of instructor.

**Notes:** Same as ELC 770 and SES 770.

**TED 775 Directed Doctoral Research 3****TED 776 Becoming a Scholar in Math and Science Education 3**

Individualized directed doctoral research and participation in a collaborative scholarly community of math and science education researchers, which includes engagement in reading group discussions, research meetings, and research sites.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated up to three times for credit.

**TED 799 Dissertation 1-12**

Individual direction in the development and execution of a doctoral dissertation.

**TED 801 Thesis Extension 1-3**

Thesis Extension.

**TED 802 Dissertation Extension 1-3**

Dissertation Extension.

**TED 803 Research Extension 1-3**

Research Extension.

## Theatre (THR)

**THR 100 Perspectives in the Theatre 3**

Theatre as an art form centers around how the actor, director, designers, etc. collaborate. Traversing a diverse collection of plays and performances, students consider how multiple perspectives of story, contexts, and aesthetics inform the creative process. Comprised of lectures, demonstrations, and classroom investigations of drama.

**MAC:** MAC CritThink Hum and Fine Art

**THR 101 Theatre First Year Foundations 3**

Introduction to the people and resources that can assist new students in developing academic skills, while also helping students gain an understanding of the workings of the School of Theatre. Students will also develop introductory tools in theatrical critique, qualitative research, and critical thinking.

**MAC:** MAC Foundations

**Prerequisites:** Must have fewer than 60 credits to enroll or can enroll by Written Permission.

**THR 107 Musical Theatre Lab 0**

A weekly class focusing on the vast array of Musical Theatre repertoire and styles. Students will also discuss industry trends and topics, health and wellness modalities for peak performance, as well as the business of auditioning, self-promotion, and marketing.

**Prerequisites:** BFA Drama with Musical Theatre concentration.

**Corequisites:** THR 118 or THR 119 or THR 218 or THR 219 or THR 318 or THR 319.

**Notes:** Grade: Pass/Not Pass (P/NP).

**THR 108 Musical Theatre Studio I 3**

A studio course that synthesizes the work being done in students' acting, dynamics, vocal, dance, and analysis courses and allows for practical application through Musical Theatre performance.

**Prerequisites:** THR 118. THR 201; THR 235; Open only to students in the BFA Drama with Musical Theatre Concentration.

**THR 110 Designing Ceremonies: Global Perspectives 3**

This course explores how to design ceremonies associated with life transitions (birthdays, coming of age rites, weddings, and funerals), while considering how theatrical design elements can be found in human rituals and rites from around the world.

**MAC:** MAC CritThink Hum and Fine Art

**THR 118 Musical Theatre Voice I 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the first in an eight semester sequence. In the first year students should demonstrate healthy habits of breathing and resonance techniques and be able to sing in fundamental classic and contemporary musical theatre styles.

**Prerequisites:** Audition Required. Open only to those in the BFA Drama with Musical Theatre Concentration;

**Corequisites:** THR 107.

**THR 119 Musical Theatre Voice II 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the second in an eight semester sequence. In the first year students should demonstrate healthy habits of breathing and resonance techniques and be able to sing in fundamental classic and contemporary musical theatre styles.

**Prerequisites:** THR 118. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration;

**Corequisites:** THR 107.

**THR 120 Voice for the Actor 3**

The study of the mechanics of the voice for dramatic literature, developing intelligible speech through the use of Standard American Sounds.

**Prerequisites:** DRAM major.

**THR 130 Acting Fundamentals for Stage and Screen 3**

Understanding and appreciation of the problems, demands, and disciplines of the actor's art, including works for both stage and film.

**MAC:** MAC Oral Communication

**Prerequisites:** Non-Drama majors.

**THR 135 The Business of Entertainment: Broadway to Hollywood 3**

Examination of the business of theatre and acting, the entertainment industry and the major theatre and film markets in the United States. Preparation for launch into theatre related professions, including communication skills, contracts, budgeting, financial planning, preparing professional "industry-standard" materials, representation, interviews and networking.

**MAC:** MAC Oral Communication

**THR 140 Stagecrafts: Scenery 2**

Introduction to technical theatre practice, backstage organization, tools, hardware, materials, and current scenery construction methods.

**Prerequisites:** Concurrent enrollment in THR 140L or previous credit for THR 140L. DRAM major or School of Theatre minor or permission of instructor.

**THR 140L Stagecrafts: Scenery Lab 1**

Crew experience working either backstage or in the scene studio for a School of Theatre production.

**Prerequisites:** Concurrent enrollment in THR 140 or previous credit for THR 140. DRAM major or School of Theatre minor or permission of instructor.

**THR 145 Stagecrafts: Costume 2**

Study of costume technology, including garment construction, fabrics, and history, for the creation of theatrical costumes.

**Prerequisites:** Concurrent enrollment in THR 145L or previous credit for THR 145L. DRAM major or School of Theatre minor or permission of instructor.

**THR 145L Stagecrafts: Costume Lab 1**

Costume construction experience working in the costume studio for a School of Theatre production.

**Prerequisites:** Concurrent enrollment in THR 145 or previous credit for THR 145. DRAM major or School of Theatre minor or permission of instructor.

**THR 146 Stagecraft: Lighting & Sound 2**

An introduction to the vocabulary, history, equipment, and techniques of sound and lighting equipment used in a performing arts environment. The class will combine hands-on projects and demonstrations to support lectures and textbook material.

**Prerequisites:** Concurrent enrollment in THR 146L or previous credit for THR 146L. DRAM major or School of Theatre minor or permission of instructor.

**THR 146L Stagecrafts: Lighting & Sound Lab 1**

Crew experience working either backstage or in the lighting studio for a School of Theatre production.

**Prerequisites:** Concurrent enrollment in THR 146 or previous credit for THR 146. DRAM major or School of Theatre minor or permission of instructor.

**THR 147 Stagecrafts: Makeup & Wardrobe 2**

An introduction to the basics of stage make-up application and wardrobe crew work for theatrical performances.

**Prerequisites:** Concurrent enrollment in THR 147L or previous credit for THR 147L. DRAM major or School of Theatre minor or permission of instructor.

**THR 147L Stagecrafts: Makeup & Wardrobe Lab 1**

Wardrobe experience working as the wardrobe crew for a School of Theatre production.

**Prerequisites:** Concurrent enrollment in THR 147 or previous credit for THR 147. DRAM major or School of Theatre minor or permission of instructor.

**THR 175 Climate Change, Creativity, and Performance 3**

The objectives of this course are to generate cross disciplinary compositions on the subject of climate change and to engage with the various definitions and issues of climate change and sustainability as they apply to the performing arts.

**THR 191 Theatre Practice - Scenery 1**

Open to any student interested in participating in the scenery phase of production.

**Prerequisites:** THR 140.

**Notes:** May be repeated for credit.

**THR 192 Theatre Practice - Costumes 1**

Open to any student interested in participating in the costuming phase of production.

**Prerequisites:** THR 145.

**Notes:** May be repeated for credit.

**THR 194 Apprentice Production Practicum 1**

Beginning-level production work in scenery, lighting, costuming, sound, or stage management.

**Prerequisites:** THR 140 or THR 145 or THR 146 or THR 147. B.F.A. DRAM major: Design and Technical Production Concentration; or permission of instructor;

**Notes:** May be repeated for credit.

**THR 200X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**THR 201 Playscript Analysis 3**

Systems for analyzing playscripts which may be adapted and employed by directors, actors, and/or designers.

**Prerequisites:** DRAM major or School of Theatre minor or permission of instructor.

**THR 208 Musical Theatre Studio II 3**

A studio course that synthesizes the work being done in students' acting, dynamics, vocal, dance, and analysis courses and allows for practical application through Musical Theatre performance. MT Studio II focuses on extension of scene study to longer work development, including new works.

**Prerequisites:** THR 236. THR 119; Open only to students in the BFA Drama with Musical Theatre Concentration.

**THR 218 Musical Theatre Voice III 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the third in an eight semester sequence. In the second year students should demonstrate continued development of technique as well as growth in vocal range and stamina with addition of new styles.

**Prerequisites:** THR 119. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration;

**Corequisites:** THR 107.

**THR 219 Musical Theatre Voice IV 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the fourth in an eight semester sequence. In the second year students should demonstrate continued development of technique as well as growth in vocal range and stamina with addition of new styles.

**Prerequisites:** THR 218. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration;

**Corequisites:** THR 107.

**THR 221 Dynamics in Acting: Movement I 3**

Practical exercise in physical disciplines to develop concentration, imagination, and the body as the actor's instrument.

**Prerequisites:** B.F.A. in Acting and B.F.A. in Musical Theatre Students only.

**THR 222 Dynamics in Acting: Voice I 3**

Beginning course in the voice/speech sequence in the B.F.A. Acting program. Understanding of breath, foundations of voice production, elements of speech.

**Prerequisites:** B.F.A. in Acting and B.F.A. in Musical Theatre Students only.

**THR 231 Acting I 3**

Introduction to the ideas of Konstantin Stanislavsky's system for modern acting. Voice and movement warm-up exercises along with beginning acting exercises that culminate in basic scene study.

**MAC:** MAC Oral Communication

**Prerequisites:** Restricted to Theatre Department majors and minors.

**THR 232 Acting II 3**

Application of basic techniques developed in 231 to elementary scene study. Introduction to the Stanislavski System. Further study in movement, voice, and improvisation.

**Prerequisites:** THR 231.

**THR 235 Acting Studio 1 3**

The foundational course in the study of the Stanislavski acting system. Students will begin their exploration of "living truthfully in a set of imaginary circumstances."

**Prerequisites:** B.F.A. in Acting and B.F.A. in Musical Theatre students only.

**THR 236 Acting Studio 2 3**

An introduction to the Sanford Meisner technique: emphasis on moment-to-moment work, playing simple actions, and personalizing the imaginary circumstances.

**Prerequisites:** THR 235.

**THR 240 Elements of Design for the Stage 3**

Introduction to the basic knowledge of theatrical designs including but not limited to set, costume, lighting, sound, and media designs. No previous design experience is necessary. Course content will include lectures, class discussion, student presentations, journals, written examinations, and hands-on exploration.

**Prerequisites:** THR 140 or THR 145 or THR 146 or THR 147. Drama Majors.

**THR 242 Technical Production: Scenery 2**

Further develop the theatrical construction skills and knowledge necessary for advanced construction techniques and installation of scenic units.

**Prerequisites:** THR 140 or permission of instructor.

**THR 244 Technical Production: Costumes 2**

To further develop costume technology skills taught at the beginning level in THR 145.

**Prerequisites:** THR 145 or permission of instructor.

**THR 245 Theatre Graphics 3**

Introduction to the basic materials and techniques of graphic presentation in scenic, costume, and lighting design for the theatre.

**Prerequisites:** THR 140 or THR 145 or THR 146 or THR 147.

**THR 246 Technical Production: Sound and Lighting 2**

Enhance the student's familiarity with the process and equipment used in modern theatre production.

**Prerequisites:** THR 146 or permission of instructor.

**THR 248 Portfolio Preparation for the Theatre 3**

This course guides students in developing the materials and skills necessary to present their education and experience to employers in the most effective manner, including resumes, cover letters, and portfolios.

**Prerequisites:** At least two courses from the following: THR 140, THR 145, THR 146, or THR 147. Design and Technical Production concentration; or permission of the instructor.

**THR 260 Advanced Makeup 3**

Special emphasis on character analysis, physiognomy, color, three-dimensional make-up, rubber prostheses, beard and wig make-up for theatre, film and television production.

**Prerequisites:** THR 147 or permission of instructor.

**THR 262 Introduction to Wig & Hairstyling 3**

An introduction to the building blocks of wig and hairstyling, including hot and wet roller setting, hot tools, braiding styles, and how to choose which methods to use and when. Student will work on synthetic and human hair wigs as well as hair on the scalp.

**Prerequisites:** THR 147.

**THR 280 The Mask in Performance 3**

A cross-cultural introduction to masks throughout history, their construction, and use in performance.

**Prerequisites:** THR 130 or THR 231.

**THR 291 Experiential Theatre Project 1-4**

Supervised practical experience in various areas of theatre production.

**Prerequisites:** B.A. and B.F.A. Drama Majors.

**Notes:** May be repeated for credit.

**THR 294 Intern Production Practicum 2**

Intermediate-level production work in scenery, lighting, costuming, sound, or stage management.

**Prerequisites:** THR 140 or THR 145 or THR 146 or THR 147. BFA in DRAM: Design and Technical Production concentration;

**Notes:** May be repeated for a total of 12 s.h.

**THR 305 Broadway: Development of the American Musical 3**

Exploring Musical Theatre's development from European tradition to a uniquely American art form. Places operetta, minstrelsy, vaudeville, burlesque, revue, and musical comedy into historical context. Illustrated lectures and demonstrations.

**THR 306 Musicianship for Musical Theatre I 3**

Development of musicianship skills to be used specifically for the Musical theatre genre.

**THR 308 Musical Theatre Studio III 3**

A studio course that synthesizes the work being done in students' acting, dynamics, vocal, dance, and analysis courses and allows for practical application through Musical Theatre performance. MT Studio III focuses on full works and character narrative.

**Prerequisites:** THR 208. THR 219; THR 332; Open only to students in the BFA Drama with Musical Theatre Concentration.

**THR 309 Singing for the Actor 1**

Study of basic principles of vocal production for Musical Theatre repertoire, to include acquaintance with appropriate style, song choice, and performance.

**Prerequisites:** Open to all Theatre Majors (BA, BFA) and Music Theatre Minors.

**THR 315 Creative Drama for the Classroom Teacher 3**

Preschool and elementary school creative drama and its place in preschool and K-5 curricula. Emphasis on fundamentals, materials, teaching techniques, and evaluation.

**THR 316 Musicianship for Musical Theatre II 3**

Continued development of musicianship skills to be used specifically for the Musical theatre genre.

**Prerequisites:** THR 306.

**THR 318 Musical Theatre Voice V 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the fifth in an eight semester sequence. In the third year students will sing effectively in a variety of styles while continuing to strengthen healthy vocal technique. As development allows, students will choose repertoire.

**Prerequisites:** THR 219. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration;

**Corequisites:** THR 107.

**THR 319 Musical Theatre Voice VI 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the sixth in an eight semester sequence. In the third year students will sing effectively in a variety of styles while continuing to strengthen healthy vocal technique. As development allows, students will choose repertoire.

**Prerequisites:** THR 318. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration;

**Corequisites:** THR 107.

**THR 320 The Actor's Space 3**

Concentrated study of kinesthetic and spatial awareness. Special emphasis on physical and vocal adjustments to the demands of different performance spaces.

**THR 321 Dynamics in Acting: Movement II 3**

Advanced daily practical exercise in physical disciplines to develop concentration, imagination, and the body as the actor's instrument.

**Prerequisites:** THR 221. B.F.A. in Acting and B.F.A. in Musical Theatre Students only.

**THR 322 Dynamics in Acting: Voice II 3**

Continuation course in the voice/speech sequence in the B.F.A. Acting program. IPA, vocal range, elements of speech, application to dramatic text.

**Prerequisites:** THR 222. B.F.A. in Acting and B.F.A. in Musical Theatre Students only.

**THR 331 Acting Studio 3 3**

Concentrated study in script and role analysis. Intensive improvisation to develop acting techniques.

**Prerequisites:** THR 236.

**THR 332 Acting Studio 4 3**

Working in the Stanislavski system as it applies to performance for the camera rather than a live audience. Focus will include film work, episodic television, soap operas, and sitcoms.

**Prerequisites:** THR 331.

**THR 340 Scenic Automation and Technology 3**

Introduction to mechanical devices used for automation of stage scenery. Topics covered will include stage winches, fluid power (hydraulics & pneumatics), control systems, and system design.

**Prerequisites:** THR 140 and THR 242 or permission of instructor.

**THR 345 Theatre Properties & Crafts 3**

An introduction to materials and methods for theatre properties. These may include upholstery, vacuum forming, food crafts, painting, furniture construction & repair.

**Prerequisites:** THR 140 or permission of instructor.

**THR 346 Costume Crafts 3**

Exploration of basic design elements and fabrics relative to costuming. Laboratory projects in costume crafts.

**Prerequisites:** THR 145 or permission of instructor.

**THR 349 Workshop in Musical Theatre 3**

An exploration of musical theatre in a studio workshop setting.

**Prerequisites:** By audition only and THR 307 and THR 231 or THR 235.

**Notes:** May be repeated when topic varies for a total of 9 s.h.

**THR 351 Scene Design 3**

Principles and practice of scene design for performance.

**Prerequisites:** THR 140. BFA Drama, Design & Technical Production major; BFA Drama, Theatre Education major; or Technical Theatre minors; or permission of instructor.

**THR 357 Musical Theatre Audition Technique 3**

For students in the BFA Musical Theatre Program, or others by permission of instructor. This course is an intensive study of proper audition techniques for Musical Theatre.

**Prerequisites:** THR 306.

**THR 361 Costume Design 3**

Principles and practice of costume design for performance.

**Prerequisites:** THR 145. BFA Drama, Design & Technical Production major; BFA Drama, Theatre Education major; or Technical Theatre minors; or permission of instructor.

**THR 363 Introduction to Wig Making 3**

Introduction to common wig making techniques such as ventilation and wetting, lace front construction, simple facial hair sets, and how to take a head tracing for more accurate wig and facial hair construction.

**Prerequisites:** THR 147.

**THR 370 Lighting Design 3**

Principles and practice of lighting design for theatre, television and film.

**Prerequisites:** THR 146. BFA Drama, Design & Technical Production major; BFA Drama, Theatre Education major; or Technical Theatre minors; or permission of instructor.

**THR 375 Theatrical Sound Design and Technology 3**

An introduction to the theory, aesthetics, and technology of theatrical sound design.

**Prerequisites:** THR 146. BFA in DRAM: Design and Technical Production concentration; or permission of the instructor.

**THR 380 Playwriting 3**

Exercises in dramaturgical techniques including adapting literature for performance. Composition of one-act plays.

**THR 386 Introduction to Stage Management 3**

Introduction to the duties and responsibilities of the theatrical stage manager; emphasis on the stage manager's place in the theatrical organization and their interaction with other members of the production.  
**Prerequisites:** At least two courses from the following: THR 140, THR 145, THR 146, or THR 147. BFA in DRAM: Design and Technical Production concentration; or permission of instructor.

**THR 391 Variable Topics in Theatrical Design 3**

An intensive study of practices in design for the performing arts. Topics vary each semester.

**Prerequisites:** THR 242 or THR 244 or THR 246 or THR 262 or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**THR 392 Variable Topics in Technical Production 3**

An intensive study of topics in technical production for the performing arts using interdisciplinary skills. Topics vary by semester.

**Prerequisites:** THR 242 or THR 244 or THR 246 or THR 262 or permission of instructor.

**Notes:** May be repeated once for credit when topic varies.

**THR 394 Journeyman Production Practicum 3**

Advanced-level production work in scenery, lighting, costuming, sound, or stage management.

**Prerequisites:** THR 140 or THR 145 or THR 146 or THR 147. BFA in DRAM: Design and Technical Production concentration;

**Notes:** May be repeated for a total of 12 s.h.

**THR 395 Special Problems 1-3**

Guided individual study in an area of special interest to the student.

**Prerequisites:** Permission of faculty supervisor is required prior to registration.

**Notes:** May be repeated for credit.

**THR 400 Theatre History I 3**

Specific conditions under which the great plays of the world have been produced. Origins through the late French Renaissance up to the English Restoration.

**Prerequisites:** THR 201.

**THR 401 Theatre History II 3**

Specific conditions under which the great plays of the world have been produced. The English Restoration and German Romanticism through Modern and Postmodern movements.

**Prerequisites:** THR 201.

**THR 402 Theatre History III 3**

Specific conditions under which the great plays of the world have been produced. I: Origins to Renaissance; II: Early Modern to Realism; III: Modernism to Postmodernism.

**THR 403 Styles in Performance Design I 3**

A survey of historical architecture and decor styles from antiquity to the present and how they are used in design for performance.

**Prerequisites:** Admission to BFA Drama, Design amp. Technical Production concentration; or permission of instructor.

**THR 404 Styles in Performance Design II 3**

A survey of historical clothing and accessories from antiquity to the present and how they are used in design for performance.

**Prerequisites:** Admission to BFA Drama, Design amp. Technical Production concentration; or permission of instructor.

**THR 405 American Theatre History 3**

Development of Theatre in America from its beginnings to the present. Includes consideration of theatre artists and companies, audiences, performance spaces, production and business practices, plays, and playwrights.

**Prerequisites:** Junior standing or permission of instructor.

**THR 406 Global Performance and Theatre 3**

Cultural performance and theatre around the world engage elements of music, dance, storytelling, ritual, drama, and so much more. Investigate dramatic texts and performance from different global contexts to expand comprehension of theatre as a global phenomenon. Localities vary with instructor.

**Prerequisites:** Sophomore standing or higher.

**Notes:** May be repeated for up to 6 s.h., depending on course content.

**THR 407 Feminist Theatre 3**

Survey of feminist theatre, focusing on performance texts that address salient concerns of the various waves of feminism from the 1960s to the present. Queer feminisms, Black feminisms and other intersectional lenses will be considered through exploration of contemporary plays.

**THR 408 Musical Theatre Studio IV 3**

A studio course that synthesizes the work being done in students' acting, dynamics, vocal, dance, and analysis courses and allows for practical application through Musical Theatre performance. MT Studio IV focuses on continuation of practical performance application, as well as final industry preparation for seniors majoring in Musical Theatre.

**Prerequisites:** THR 108. THR 118; THR 201; THR 208; THR 218; THR 219; THR 235; THR 236; THR 308; THR 318; THR 319; THR 331; THR 332; Open only to students in the BFA Drama with Musical Theatre Concentration.

**THR 409 Topics in Theatre for Social Change 3**

Defining and describing major aspects of theatre for social change and its uses culturally, socially, and politically. This course is a survey of the history both nationally and globally, of theatre as social art, a tool for justice, a channel for personal transformation, and a means of artistic liberation.

**Prerequisites:** THR 210.

**THR 410 Directing I 3**

Fundamental principles of directing for the theatre including adapting literature for performance.

**Prerequisites:** THR 201, junior standing, and Theatre Major. or permission of the instructor.

**THR 411 Directing II 3**

An intermediate directing course that involves the student in the theory and practice of contemporary plays.

**Prerequisites:** Two theatre courses and THR 201 and THR 410. or permission of instructor.

**THR 415 Drama in Education 3**

Research and literature of drama strategies and techniques for children, ages 5 through 14. Practice in leading groups of children in drama in educational settings.

**Prerequisites:** B.A. and B.F.A. Theatre Majors, or permission of the instructor.

**THR 416 Puppetry 3**

Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing of puppets.

**Prerequisites:** B.A. and B.F.A. Theatre Majors, or permission of the instructor.

**THR 417 Devised Theatre 3**

Research and literature of devised theatre in pedagogy and methodology. Practice in facilitating devised theatre in education and in the community. **Prerequisites:** B.A. and B.F.A. Theatre Majors, or permission of the instructor.

**THR 418 Musical Theatre Voice VII 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the seventh in an eight semester sequence. A variety of cuts and/or full songs chosen by student with approval by instructor will be worked and perfected in order to expand students' repertoire and technique.

**Prerequisites:** THR 319. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration.

**THR 419 Musical Theatre Voice VIII 2**

Vocal technique studies focusing specifically on technique related to musical theatre vocal production. This is the eighth in an eight semester sequence. A variety of cuts and/or full songs chosen by student with approval by instructor will be worked and perfected in order to expand students' repertoire and technique.

**Prerequisites:** THR 418. Audition Required; Open only to those in the BFA Drama with Musical Theatre Concentration.

**THR 421 Physical Violence for the Stage 3**

Intensive study and practice of the mechanics of stage violence for advanced performance students. Focus on safe performance techniques for violence in period and contemporary texts.

**Prerequisites:** THR 332. Drama Major.

**THR 422 Stage Dialects 3**

A study of selected dialects of English for performance, including dialect in cultural context and the application to dramatic text.

**Prerequisites:** THR 322. B.F.A. in Acting, B.F.A. in Musical Theatre Students only.

**THR 424 Black and Indigenous People of Color Plays in Theatre for Youth 3**

Black and Indigenous People of Color (BIPOC) Plays in Theatre for Youth explores literature in Theatre for Youth written by people of color. Includes scripts, playwrights, and productions.

**Prerequisites:** THR 201.

**THR 431 Acting Studio 5 3**

Study and practice of acting styles outside contemporary realism, focusing on techniques required for the heightened language & physicality of non-Shakespearean Western texts, including plays in translation, from the Greeks to the present day.

**Prerequisites:** THR 332. BFA Acting, BFA Musical Theatre majors only.

**THR 432 Advanced Shakespeare Studio 3**

Study and practice of Shakespearean acting styles. Performance emphasizing manners, movement, and vocal delivery of the Elizabethan period.

**Prerequisites:** THR 332. B.F.A. Acting Majors, B.F.A. Musical Theatre Majors only.

**THR 434 Camera Acting: Basic Techniques 3**

An examination of the differences between acting on film and acting on stage. Students will act in a variety of different types of camera work including feature films, dramas, sitcoms, and commercials.

**Prerequisites:** THR 231. Theatre Majors only.

**THR 435 Performance Styles 3**

Introduction to acting styles such as Greek, Commedia dell'Arte, Shakespeare, and Comedy of Manners, with pedagogical opportunity to lesson-plan for additional genres and styles.

**Prerequisites:** THR 232. Drama major.

**THR 436 Advanced Acting for the Camera Studio 3**

An advanced study of performance for the camera. Camera scene study will continue with added emphasis on clarity of intention and accuracy of repetition.

**Prerequisites:** THR 332. B.F.A. in Acting and B.F.A. in Musical Theatre students only.

**THR 439 Professional Theatre Audition Techniques 3**

Audition theory, techniques, and practice for theatre, television, and films.

**Prerequisites:** THR 332. B.F.A. and M.F.A. Actors only; or permission of instructor.

**THR 440 Advanced Stagecrafts 3**

Study of advanced scenic construction, property construction, and rigging techniques for the stage. Supervised laboratory work in wood, plastics, metal, and other materials.

**Prerequisites:** THR 140 and THR 242. or permission of instructor.

**THR 441 Technical Direction 3**

Theatrical technical direction with emphasis on organizational, managerial, and problem-solving duties and responsibilities. Lecture combined with practical projects.

**Prerequisites:** THR 140 and THR 444. or permission of instructor.

**THR 442 Scene Painting I 3**

Tools, materials, and techniques of scene painting.

**Prerequisites:** THR 242. Design and Technical Production concentration; or permission of instructor.

**THR 443 Advanced Scene Painting 3**

Advanced practice of scenic art techniques and their incorporation into design as integral components of theatrical expression. Emphasis will be given to the creation of pictorial representations, variations in layout practices, and incorporation of stencils.

**Prerequisites:** THR 442 or permission of instructor.

**THR 444 Computer Aided Drafting for the Theatre 3**

Introduction to the fundamentals of Computer Aided Drafting and its use in theatre.

**Prerequisites:** THR 245 or permission of instructor.

**THR 445 Professional Practices in Design and Technical Production 1**

In this course, students evaluate their portfolio materials and explore topics related to standard theatre practices. Students leave this course with a Launch Plan, laying out their post-graduation goals and plans to achieve them. Discussion topics may include freelancing, graduate school, design and tech unions, hiring practices, and adjacent industries.

**Prerequisites:** THR 248. Open only to those in the BFA Drama with Design and Technical Production concentration; Senior status; or permission of instructor.

**THR 446 Advanced CAD for the Theatre 3**

Continuation of Computer Aided Drafting for the Theatre concentrating on 3-D virtual modeling and visualization and its use in the theatre.

**Prerequisites:** THR 444 or permission of instructor.

**THR 448 Stage Millinery and Accessories 3**

Historical millinery and accessories in relation to stage adaptation; design and construction techniques.

**Prerequisites:** THR 145. or permission of instructor.

**THR 449 Costume Pattern Drafting and Draping 3**

Advanced garment production processes and practices for stage and film with an emphasis on pattern creation, manipulation, fitting, alterations. Introduction of specific construction techniques for creating historical garments for performance. Preparation for careers in costume related fields.

**Prerequisites:** THR 244. or permission of instructor.

**THR 450 Advanced Scene Design 3**

Advanced problems in set design for performance. Topics may vary with each offering.

**Prerequisites:** THR 351. BA or BFA in DRAM; or permission of instructor.

**THR 460 Advanced Costume Design 3**

Advanced problems in costume design for performance. Topics may vary with each offering.

**Prerequisites:** THR 361. BA or BFA in DRAM; or permission of instructor.

**THR 467 BFA Performance Senior Seminar. Preparing to Showcase Your Talents Post Graduation 3**

Preparing the graduating theatre artist for a New York showcase and assisting them in the transition from college to their first year as a professional actor.

**Prerequisites:** THR 332.

**THR 470 Advanced Lighting Design 3**

Advanced problems in lighting design for performance. Topics may vary with each offering.

**Prerequisites:** THR 370 and THR 444. BA or BFA in DRAM; or permission of instructor.

**THR 480 Playwriting II 3**

Focus on advanced play construction and dramatic writing.

**Prerequisites:** THR 380.

**THR 482 Teaching Methods in Theatre Arts 3**

Philosophy, means, and methods for conducting classes and structuring curricular and cocurricular theatre activities. Includes internship in public schools as lab. Required for Theatre Education teacher licensure.

**THR 483 Honors Work 3-6**

Honors Work.

**Prerequisites:** Permission of instructor. 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**THR 484 Theatre Management 3**

Theatre organization and operation. Practical problems of financing, promoting, and staffing various theatre programs.

**Prerequisites:** B.A. and B.F.A. Theatre Majors, or permission of the instructor.

**THR 485 Directing Practicum 1**

Independent practice in directing the play; preparations of a 25-minute play or excerpt, and presentation in the Workshop Theatre. Benchmarks include project proposal prior to registration, extended five-page directorial statement with dramaturgy, auditions, rehearsal scheduling, single faculty-observed off-book rehearsal, dress/tech rehearsals, performance, and post-mortem formal paper.

**Prerequisites:** THR 410. B.F.A. Drama, Theatre Education K-12 Teaching Licensure concentration, or permission of the instructor;

**Notes:** May be repeated for a total of two semester hours.

**THR 486 Theatre Management and Entrepreneurship 3**

Learn how to develop and manage a theatre in the twenty-first century. This class provides fundamental knowledge and critical thinking skills to prepare students for a career in Theatre Management. Students will actively engage with the most relevant challenges faced by leaders in contemporary Theatre/Entrepreneurship.

**Notes:** Same as ENT 486.

**THR 487 Theatre Field Studies 1-3**

Guided off-campus study in the Theatre disciplines. Travel required. Site and topic will vary from semester to semester.

**Notes:** May be repeated for up to four (4) semester hours.

**THR 488 Experiential Theatre Project II 1-4**

Intensive experience in one or more areas of theatre production.

**Prerequisites:** B.A. and B.F.A. Drama Majors. THR 291; or permission of the instructor.

**THR 489 Developing and Managing Educational Programs for Arts Organizations 3**

Using a case study approach, students will learn about how education departments at arts organizations operate in the 21st century from both theoretical and practical perspectives.

**Prerequisites:** Must be majoring in a CVPA degree track or a School of Education degree track. Junior standing or above;

**Notes:** Same as AAD 489.

**THR 490 Advanced Theatre Practice-Performance 1**

Departmental auditions are open to all students, and credit is given to those who are cast.

**Prerequisites:** Written permission required.

**Notes:** May be repeated up to six (6) times for credit.

**THR 491 Advanced Theatre Practice-Scenery 1**

Open to non-Design and Technical Production students interested in participating in the scenery phase of production.

**Prerequisites:** THR 140. or permission of the instructor;

**Notes:** May be repeated for credit.

**THR 492 Advanced Theatre Practice-Costumes 1**

Open to non-Design and Technical Production students interested in participating in the costuming phases of production.

**Prerequisites:** THR 145. or permission of the instructor;

**Notes:** May be repeated for credit.

**THR 493 Advanced Theatre Practice - Theatre Management 1**

A study of theatre management through hands-on work for the School of Theatre. Students will work in the areas of box office, marketing, ushering, house management, community engagement, education, and development based on their preferences and the needs of the School of Theatre.

**Prerequisites:** Junior standing. or permission of the instructor;

**Notes:** May be repeated for credit.

**THR 494 Advanced Theatre Practice-Production 1**

Open to non-Design and Technical Production students interested in participating in the technical phases of production.

**Prerequisites:** THR 140 or THR 145. Permission of Instructor;

**Notes:** May be repeated for credit.

**THR 495 Advanced Theatre Practice-Lighting 1**

Open to non-Design and Technical Production students interested in participating in the lighting phase of production.

**Prerequisites:** One (1) s.h. of THR 191 and junior standing. or permission of instructor;

**Notes:** May be repeated for credit.

**THR 496 Advanced Theatre Practice-Running Crew 1**

Open to any student interested in participating in the running crew phase of production.

**Prerequisites:** One (1) s.h. of THR 191 or THR 192 and junior standing. or permission of instructor;

**Notes:** May be repeated for credit.

**THR 497 Student Teaching in Theatre Arts 12**

Capstone experience for theatre education majors: student teaching at elementary, middle, or high school levels; classroom management; discipline; lesson design and implementation; and assessment. Includes biweekly seminars.

**Prerequisites:** Grade of B- or better in THR 482. completion of all major and teacher licensure course work; and completion of 100 hours of pre-student teaching field experience in K-12 schools.

**THR 498 Capstone Production Practicum 3**

Capstone experience for a BFA DRAM major: Design and Technical Production concentration student.

**Prerequisites:** THR 140 or THR 145 or THR 146 or THR 147. junior standing and BFA DRAM major: Design and Technical Production concentration; or permission of instructor.

**THR 500 Theatre History I 3**

Specific conditions under which the great plays of the world have been produced. Origins through the late French Renaissance up to the English Restoration.

**THR 501 Theatre History II 3**

Specific conditions under which the great plays of the world have been produced. The English Restoration and German Romanticism through Modern and Postmodern movements.

**THR 502 Theatre History III 3**

Specific conditions under which the great plays of the world have been produced. I: Origins to Renaissance; II: Early Modern to Realism; III: Modernism to Postmodernism.

**THR 503 Styles in Performance Design I 3**

Survey of historical architecture and decor styles from antiquity to the present and how they are used in design for performance.

**Prerequisites:** Admission to M.F.A. in Drama or permission of instructor.

**THR 504 Styles in Performance Design II 3**

Survey of historical clothing and accessories from antiquity to the present and how they are used in design for performance.

**Prerequisites:** Admission to M.F.A. in Drama or permission of instructor.

**THR 505 American Theatre History 3**

Development of Theatre in America from its beginnings to the present. Includes consideration of theatre artists and companies, audiences, performance spaces, production and business practices, plays, and playwrights.

**THR 506 Global Performance and Theatre 3**

Cultural performance and theatre around the world engage elements of music, dance, storytelling, ritual, drama, and so much more. Investigate dramatic texts and performance from different global contexts to expand comprehension of theatre as a global phenomenon. Subject varies with instructor.

**THR 507 Feminist Theatre 3**

Survey of twentieth and twenty-first century British and American feminist theatre, focusing on performance texts that address salient concerns of first, second, and third wave feminists.

**THR 511 Directing II 3**

An intermediate directing course that involves the student in the theory and practice of contemporary plays.

**Prerequisites:** Two theatre courses and THR 201 and THR 410. or permission of instructor.

**THR 515 Drama in Education 3**

Research and literature of drama strategies and techniques for children, ages 5 through 14. Practice in leading groups of children in drama in educational settings.

**Prerequisites:** M.F.A. Theatre majors or permission of the instructor.

**THR 516 Puppetry 3**

Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing of puppets.

**Prerequisites:** M.F.A. Theatre Majors or permission of the instructor.

**THR 517 Devised Theatre 3**

Research and literature of devised theatre pedagogy and methodology. Practice in facilitating devised theatre in education and in the community.

**Prerequisites:** M.F.A. Theatre majors or permission of the instructor.

**THR 532 Advanced Shakespeare Studio 3**

Study and practice of Shakespearean acting styles. Performance emphasizing manners, movement, and vocal delivery of the Elizabethan period.

**Prerequisites:** M.F.A. Acting concentration only.

**THR 539 Professional Theatre Audition Techniques 3**

Audition theory, techniques, and practice for theatre, television, and films.

**Prerequisites:** M.F.A. Actors concentration only or permission of instructor.

**THR 540 Advanced Stagecrafts 3**

Study of advanced scenic construction, property construction, and rigging techniques for the stage. Supervised laboratory work in wood, plastics, metal, and other materials.

**THR 541 Technical Direction 3**

Theatrical technical direction with emphasis on organizational, managerial, and problem-solving duties and responsibilities. Lecture combined with practical projects.

**THR 542 Scene Painting I 3**

Tools, materials, and techniques of scene painting.

**THR 546 Advanced CAD for the Theatre 3**

Continuation of Computer Aided Drafting for the Theatre concentrating on 3-D virtual modeling and visualization and its use in the theatre.

**Prerequisites:** THR 444 or permission of instructor.

**THR 548 Stage Millinery and Accessories 3**

Historical millinery and accessories in relation to stage adaptation; design and construction techniques.

**THR 549 Costume Pattern Drafting and Draping 3**

Targets students preparing for careers in costume related fields. Emphasis will be placed on pattern creation, manipulation, fitting, alterations, and construction techniques for creating historical garments for performance.

**THR 584 Theatre Management 3**

Theatre organization and operation. Practical problems of financing, promoting, and staffing various theatre programs.

**Prerequisites:** M.F.A. Theatre Major, or permission of the instructor.

**THR 585 Directing Practicum 1**

Practice in directing the play; preparations of a 25-minute play or excerpt, and presentation in the Workshop Theatre.

**Prerequisites:** THR 410 and M.F.A. Theatre Majors, or permission of the instructor.

**Notes:** May be repeated for a total of two semester hours.

**THR 587 Theatre Field Studies 1-3**

Guided off-campus study in the Theatre disciplines. Travel required. Site and topic will vary from semester to semester.

**Notes:** May be repeated for up to four (4) semester hours.

**THR 588 Experiential Theatre Project II 1-4**

Intensive experience in one or more areas of theatre production.

**THR 596 Applied Theatre II 1-4**

Intensive experience in one or more areas of theatre production.

**Prerequisites:** THR 291. B.A., B.F.A., and M.F.A. Theatre Majors, or permission of the instructor.

**THR 601 Drama Theory and Criticism 3**

Major concepts representative of Aristotelian drama and the chief artistic and philosophical trends underlying much of contemporary or non-Aristotelian drama.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**Notes:** May be repeated for a maximum of 3 hours credit.

**THR 602 Seminar in Drama and Theatre History 3**

Investigation of special topics in drama and theatre history. Topics vary each semester.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**Notes:** May be repeated twice for credit when topic varies.

**THR 603 Acting Seminar 3**

Historical and theoretical perspectives related to acting. Topics vary each semester.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**Notes:** May be repeated for a maximum of 9 hours credit.

**THR 605 Broadway: Development of the American Musical 3**

Exploring Musical Theatre's development from European tradition to a uniquely American art form. Places operetta, minstrelsy, vaudeville, burlesque, revue, and musical comedy into historical context. Illustrated lectures and demonstrations.

**THR 608 Musical Theatre Literature and Repertoire 3**

Study of musical theatre literature and repertoire. Students apply their understanding of the genre by making song assignments for undergraduate musical theatre students and rehearsing/staging the selected material.

**THR 609 Theatre for the Very Young 3**

Theatre for the Very Young (TVY) explores the global history of TVY and the evolution of the field in the United States focusing on youth ages 0-5.

**THR 610 Applied Play Directing 3**

Guided study and practice in developing directorial approaches and techniques through scene work and the production of a complete play.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 611 Advanced Play Directing 3**

Problems of play directing emphasizing the use of modified proscenium, arena, thrust, and experimental forms of stages.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 612 Directing Period Plays 3**

Theories of directing and their application in the direction of period plays.

**Prerequisites:** THR 610 or THR 611 and admission to appropriate School of Theatre degree program or permission of instructor.

**THR 613 Directing Seminar 3**

Investigation in the art of directing. Topics vary each semester.

**Prerequisites:** THR 610 or THR 611 and admission to appropriate School of Theatre degree program or permission of instructor.

**Notes:** May be repeated for credit.

**THR 614 Collaboration in Theatrical Production 3**

An examination of the creative working relationship between theatre artists onstage and off. Students develop their abilities to articulate, experiment with, synthesize, and integrate best practices in theatrical collaboration.

**Prerequisites:** Admission to appropriate School of Theatre graduate degree program or permission of instructor.

**THR 615 Advanced Drama in Education 3**

Current trends in advanced philosophies in drama in education and aesthetic education. Practical experience arranged with classes in local schools.

**Prerequisites:** THR 515 and admission to appropriate School of Theatre degree program or permission of instructor.

**THR 617 Trends in Theatre for Young Audiences 3**

Focus on analysis of nationally successful Theatre for Youth companies. Exploration of seasons, budgets, and outreach components of various companies.

**Prerequisites:** THR 517, THR 584, THR 615.

**THR 618 Graduate Seminar in Music Direction 2**

Synthesis of a well-rounded music director for theatrical production. Lecture-based course that speaks to differing topics, challenges, and methods of Music Direction for the stage. First part of two-semester trajectory.

**THR 619 Advanced Graduate Seminar in Music Direction 2**

Synthesis of a well-rounded music director for theatrical production. Lab-based course that relies on practical application of topics from THR 618 with faculty oversight/guidance. Second part of two-semester trajectory.

**Prerequisites:** THR 618.

**THR 620 Stage Dialects 3**

Stage dialects most frequently used by the actor: Standard British, Cockney, Irish, Scots, French, German, Italian, Russian, Japanese, Brooklynese, American Southern.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 621 Advanced Dynamics: Movement 3**

Movement laboratory for the advanced actor.

**Prerequisites:** Admission to the appropriate degree program (MFA in Drama, Acting Concentration).

**Notes:** May be repeated for a total of six credits.

**THR 622 Advanced Dynamics: Voice 3**

Voice and speech training to develop skills necessary for performance.

**Prerequisites:** Admission to MFA in Drama, Acting Concentration.

**Notes:** Three consecutive semesters to be repeated for a total of six credits.

**THR 623 Advanced Physical Violence for the Stage 3**

Advanced study and practice in the mechanics of stage violence. Designed for graduate actors, this course will focus on safe performance techniques for violence in period and contemporary texts.

**Prerequisites:** Admission to M.F.A. in Drama, Acting Concentration.

**THR 624 Black and Indigenous People of Color Plays in Theatre for Youth 3**

Black and Indigenous People of Color (BIPOC) Plays in Theatre for Youth explores literature in Theatre for Youth written by people of color. Includes scripts, playwrights, and productions.

**Prerequisites:** MFA Drama.

**THR 631 Studies in Acting 3**

Special studies and practices in acting techniques. Emphasis on contemporary drama.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 632 Contemporary Acting II 3**

Contemporary ensemble acting techniques and their application to ensemble style and playing.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 633 Period Acting II 3**

Study and practice of acting styles from the periods of Classical Greek, Roman, Medieval, Restoration/Georgian, Victorian/Edwardian drama.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 634 Acting for the Camera 3**

An introductory examination and exploration of the technique of acting for the camera. Students will refine and adjust the way they work, but the core technique remains the same.

**Prerequisites:** M.F.A. Actors or permission of the instructor.

**THR 636 Advanced Acting for the Camera Studio 3**

An advanced study of performance for the camera. Camera scene study will continue with added emphasis on clarity of intention and accuracy of repetition.

**Prerequisites:** THR 332 or THR 534, M.F.A. Actors only.

**THR 640 Graduate Design Foundations 3**

An introduction to scholarship and research methodologies in the School of Theatre as well as resources available through the Graduate School and the University. Students will explore topics related to theatrical design, creative problem solving, academic writing, narrative based art, scholarly research, and health and well-being in the entertainment industry.

**Prerequisites:** Admission to M.F.A. in Drama, Design Concentration or permission of instructor.

**THR 644 Developing and Managing Educational Programs for Arts Organizations 3**

Using a case study approach, students will learn about how education departments at arts organizations operate in the 21st century from both theoretical and practical perspectives.

**Prerequisites:** M.F.A. Theatre for Youth students.

**THR 645 Advanced Theatre Graphics 3**

Theatre graphics for performance design, drafting, perspective, figure drawing, and rendering.

**THR 648 Portfolio Preparation for the Theatre and Academia 3**

This course guides students in developing the materials and skills necessary to present their education and experience to employers in the most effective manner, including resumes, cover letters and portfolios.

**THR 651 Scene Design Seminar 3**

Topics in scene design. Topics may include conceptual development, drawing and rendering techniques, model building, and generation of computer graphics.

**Prerequisites:** Admission to MFA in Drama, Design Concentration.

**Notes:** This course may be repeated once for 3 credits when topic varies.

**THR 655 Scene Design Styles 3**

Topics in Scene Design Applications. Topics may include study of theatrical genres and variations in physical space and relationship to audiences.

**Prerequisites:** Admission to MFA in Drama, Design Concentration.

**THR 656 Scene Design Application 3**

Topics in Scene Design Applications. Topics may include design conceptualization and development, professional standards for drafting and elevations, rendering and models.

**Prerequisites:** THR 655 and admission to MFA in Drama, Design Concentration.

**THR 660 Costume Design Seminar 3**

Topics in costume design. Topics may include conceptual development, drawing and rendering techniques, and generation of computer graphics.

**Prerequisites:** Admission to MFA in Drama, Design Concentration.

**Notes:** This course may be repeated once for 3 credits when topic varies.

**THR 665 Costume Design Styles 3**

Topics in Costume Design Styles. Topics may include varying dramatic genres, studies of costume style presentation appropriate for performance trends.

**Prerequisites:** Admission to MFA in Drama, Design Concentration.

**THR 666 Costume Design Application 3**

Topics in Costume Design Applications. Topics may include design conceptualization and development, as well as professional standards for illustrating action figures, specific fabrics, and developing costume production charts.

**Prerequisites:** THR 665 and admission to the MFA in Drama, Design Concentration.

**THR 671 Lighting Design Seminar 3**

Topics in lighting design. Topics may include technology of moving fixtures, techniques of image and effect projection, and techniques of lighting for film.

**Prerequisites:** Admission to MFA in Drama, Design Concentration or permission of instructor.

**Notes:** May be repeated once when topic varies for a total of 6 credit hours.

**THR 675 Lighting Design Styles 3**

Advanced problems of lighting design for theatrical productions in performance. Studies can include studio design exploration in the different genres of plays, musicals, and opera.

**Prerequisites:** Admission to MFA in Drama, Design Concentration or permission of instructor.

**THR 676 Lighting Design Application 3**

Creative topics in lighting design emphasizing collaborative approaches to produced work for public performance.

**Prerequisites:** THR 675 and admission to MFA in Drama, Design Concentration or permission of instructor.

**THR 680 The Art and Craft of Playwriting 3**

Theory and practice of writing plays for stage production.

**Prerequisites:** Permission of instructor.

**Notes:** May be repeated once for credit.

**THR 685 Seminar in Scenography 3**

Scenographic theory and practice for performance design.

**THR 690 Graduate Practicum in Theatre 2**

Guided practice under rigorous artistic standards in carrying out major responsibilities in UNCG Theatre or Theatre for Youth major productions.

**Prerequisites:** Admission to appropriate School of Theatre degree program and permission of instructor.

**THR 691 Graduate Practicum in Costume Design 2**

Guided practice under rigorous artistic standards in carrying out major costume design responsibilities in the School of Theatre's production season or other faculty approved venues.

**Prerequisites:** Admission to appropriate School of Theatre degree program.

**THR 692 Graduate Practicum in Lighting Design 2**

Guided practice under rigorous artistic standards in carrying out major lighting design responsibilities in the School of Theatre's production season or other faculty approved venues.

**Prerequisites:** Admission to appropriate School of Theatre degree program.

**THR 693 Graduate Practicum in Scene Design 2**

Guided practice under rigorous artistic standards in carrying out major scene design responsibilities in the School of Theatre's production season or other faculty approved venues.

**Prerequisites:** Admission to appropriate School of Theatre degree program.

**THR 695 Independent Study 1-3**

**Prerequisite:** Admission to appropriate School of Theatre degree program or permission of instructor, major advisor and School Director.

**THR 696 Advanced Experimentation 3**

Preparation for the evaluation of experiences in the creative processes of theatre, broadcasting, or film. Analysis, documentation, and critical evaluation of the specific experience.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**THR 697 Design Colloquium 3**

Explore the theatrical design process through realized designs, culminating in fully produced work in the School of Theatre or in collaboration with university and/or community partners. Features group discussions, lectures, and mentoring related to practical applications of theatrical design, reasonable industry practices, and physical and mental well being.

**THR 698 Graduate Internship 3**

Field experience in local production companies, post-production houses, television stations or professional theatre companies. Academic supervision provided by faculty and directed activity in the field provided by site supervisor.

**Prerequisites:** Second or third year standing in the graduate program.

**THR 699 Master Production in Theatre 3**

Research, development, and execution in acting, directing, or design of a major theatrical production.

**Prerequisites:** Admission to appropriate School of Theatre degree program or permission of instructor.

**UNC Exchange (UNCX)****UNCX 110 UNC Online Placeholder 1****UNCX 120 UNC Online Placeholder 2****UNCX 130 UNC Online Placeholder 3****UNCX 140 UNC Online Placeholder 4****UNCX 610 UNC Online Placeholder 1****UNCX 620 UNC Online Placeholder 2****UNCX 630 UNC Online Placeholder 3****UNCX 640 UNC Online Placeholder 4****UNCX 730 UNC Online Placeholder 3****University Libraries (LIB)****LIB 101 Information Literacy for Health and Wellness 1**

An introduction to information literacy skills and how to apply them to health information. This course will serve as a bridge course for students who transfer certain two credit health and wellness courses into UNCG.

**MAC:** MAC Health and Wellness

**Prerequisites:** Successful completion of a two credit MAC health and wellness course at another institution and Instructor permission.

**Visual and Performing Arts (VPA)****VPA 210 Body Mapping: What Every Performer Needs to Know About the Body 2**

Introduces the concept of body mapping (our mental representations of structure, function, and size) and provides a weekly laboratory for "updating" these maps during practical activity and experimental movement.

**Prerequisites:** Freshman, sophomore, or junior standing.

**VPA 223 The Arts as Human Experience 3**

An examination of the meaning of the arts experience, including its historical and personal significance. Includes reading and related work in art, dance, drama, and music.

**MAC:** MAC CritThink Hum and Fine Art

**VPA 324 The Arts as Social Change: Theory and Practice 3**

Students will examine the ways in which the arts create social change in our institutions and communities through an exploration of theory and case studies, and an engagement in practice.

**VPA 330 Dance for Musical Theatre 3**

For students interested in developing dance skills to be used specifically for the musical theatre genre, including tap, ballet, jazz and contemporary. Various pieces of choreography will be set in class.

**VPA 338 Exploring Performing Arts Cultures 1-3**

Course is used for Music, Theatre and Dance study trips. Offered only when a course accompanies a specific trip.

**Prerequisites:** Determined by needs of specific trip.

**Notes:** Grade: Pass/Not Pass (P/NP).

**VPA 351 Musical Theatre Audition Technique II 1**

For undergraduate students interested in the continued and advanced development of their musical-theatre audition skills.

**Prerequisites:** THR 357 or permission of instructor.

**VPA 361 Community Arts Methods 3**

This course explores a range of community arts methods including community research and relationship building, project development and logistical planning, social practice methods, developmentally appropriate teaching strategies, and curriculum development.

**Prerequisites:** VPA 360.

**VPA 364 Community Arts Intensive 6**

In 10 full days of collaborative workshops with UNCG faculty and guest artists, immersive creative experiences, and site visits with community partners, students will develop a tool-kit of specific strategies and evaluation methods as they workshop, troubleshoot, and refine their ideas for community arts projects and programs.

**VPA 369 Community Arts Internship 3**

During this course, students will implement a previously planned community arts project with an established community partner, under supervision of UNCG faculty.

**Prerequisites:** VPA 361.

**VPA 402 Entrepreneurship in the Performing Arts 3**

Focus on entrepreneurship knowledge, skills and career development in the performing arts.

**Prerequisites:** Junior or senior standing.

**Notes:** Same as ENT 402, MUP 402.

**VPA 428 Research Methods in Social Practice 3**

This interdisciplinary course explores research methods in Social Practice, an art form that employs diverse strategies for participatory and experiential art within a range of contexts, spaces and media.

**Notes:** May be repeated twice for credit.

**VPA 454 The Alexander Technique for Performers 3**

An active and scholarly exploration of the Alexander Technique to unlock creativity, discover freedom and ease in performance, reduce stress and tension throughout the body, and prevent performance-related injuries.

**Prerequisites:** Junior, senior, or graduate standing.

**VPA 496 Independent Study / Directed Research 1-3**

Independent directed study or research with faculty supervision in an area of special interest.

**VPA 528 Research Methods in Social Practice 3**

This interdisciplinary course explores research methods in Social Practice, an art form that employs diverse strategies for participatory and experiential art within a range of contexts, spaces and media.

**Notes:** May be repeated twice for credit.

**VPA 555 The Alexander Technique for Performers 3**

An active and scholarly exploration of the Alexander Technique to unlock creativity, discover freedom and ease in performance, reduce stress and tension throughout the body, and prevent performance-related injuries.

**VPA 638 Exploring Performing Arts Cultures 1-3**

Music study trips. Offered only in conjunction with a specific trip.

**Prerequisites:** To be determined by needs of specific trip.

## Western Civilization (WCV)

**WCV 101 Western Civilization 3**

Interdisciplinary study of Western Civilization emphasizing critical developments from ancient to modern times.

## Women's, Gender, and Sexuality Studies (WGS)

**WGS 150 Gender, Race, and Sexuality 3**

Students will address the complex historical and contemporary relationships among gender, race, and sexuality as important and interdependent aspects of social life.

**WGS 200X Experimental Course 1-6**

This number reserved for experimental courses. Refer to the Course Schedule for current offerings.

**WGS 224 Philosophy of Race and Gender 3**

This course provides historical background for understanding racial inequalities, focuses on the concepts of race and gender and how they are connected to racism and sexism, and explores the concept of intersectionality.

**MAC:** MAC Diversity and Equity

**Notes:** Same as PHI 224.

**WGS 250 An Introduction to Women's, Gender and Sexuality Studies 3**

An interdisciplinary introduction to frameworks and approaches in the field of women's, gender and sexuality studies.

**MAC:** MAC Diversity and Equity

**WGS 260 Writing in Women's, Gender and Sexuality Studies 3**

Focuses on the development of writing skills for the discipline of Women's, Gender and Sexuality Studies. Fosters information literacy, proficiency in engaging with and responding to scholarship, and the cultivation of strong research practices.

**CIC:** CIC College Writing

**Prerequisites:** WGS 250 or WGS 270.

**WGS 270 Introduction to LGBTQI Studies 3**

An introduction to the academic study of lesbian, gay, bisexual, transgender, queer, and intersex histories, experiences, and cultures.

**MAC:** MAC Diversity and Equity

**WGS 280 Women's Health and Bodies 3**

How politics and culture shape ideas about diverse women's health and bodies. Topics include gender, race, sexuality, disability, reproduction, disease, violence, and the health care system.

**MAC:** MAC Health and Wellness

**WGS 310 Christianity and the Construction of Gender 3**

Study of the role of categories of male and female in the creation and maintenance of Christian notions of holiness, authority, and hierarchy in historical perspective.

**Notes:** Same as REL 310.

**WGS 311 Gender and Violence 3**

An exploration of gender-based violence in contemporary culture and social life. Topics discussed may include assault, stalking, intimate partner violence, and media portraits of gender violence.

**Notes:** Students cannot receive credit for both WGS 311 and SOC 419 or WGS 419.

**WGS 312 Judaism and the Construction of Gender 3**

Jewish understandings of gender from ancient to modern times, with focus on law and tradition, roles in the Jewish community, family, sexuality, and Jewish theology.

**CIC:** CIC College Writing

**Notes:** Same as REL 312.

**WGS 329 Sociological Perspectives on Gender 3**

Inquiry into status of genders in society with emphasis on structural and institutional relationships as well as socialization and the continuities and discontinuities in gendered displays across the life cycle.

**Notes:** Same as SOC 329.

**WGS 333 Postcolonial and Transnational Feminisms 3**

Examines histories of, and critical feminist responses to, western colonialism and imperialism. Explores the construction of race, gender, class, and sexuality within imperial projects and anti-imperial movements.

**CIC:** CIC College Writing

**Prerequisites:** WGS 250 or WGS 270.

**WGS 334 Latin American and Latinx Feminist and Queer Thought 3**

This course invites students to learn about Latin American Feminist and Queer thought, its social impact, and related transnational networks from the 17th century until today. It will also include connections to the ideas and activism of Latinx feminists of the last century in the United States.

**WGS 350 Introduction to Feminist Theories 3**

Explores and evaluates feminist theories in a socio-historical context. Raises questions about their implications for different methods of inquiry and about the nature of knowledge and rational thought.

**CIC:** CIC College Writing

**Prerequisites:** WGS 250 or WGS 270.

**WGS 374 Ecofeminism 3**

Study of Ecofeminism as a philosophy and social movement that focuses on interconnections between feminism and environmentalism. Analysis of paradigms and inequalities that devalue and oppress both 'women' and 'nature'.

**WGS 375 Topics in Native American and Indigenous Studies 3**

Exploration of the literatures, cultural productions, histories, and politics of indigenous peoples. Topic will vary depending on section.

**Notes:** May be repeated for credit when topic varies. Same as ENG 375.

**WGS 400 Independent Study 1-3**

Intensive independent study of specialized topics.

**Prerequisites:** Permission of sponsoring instructor.

**Notes:** May be repeated once for credit.

**WGS 419 Gender, Crime, and Deviance 3**

Examines key questions in scholarly literature on gender, crime, and deviance: how gender socialization, gender roles, and institutions affect males' and females' offending, deviant behavior, and victimization.

**Notes:** Same as SOC 419. Students cannot receive credit for both WGS 419 and WGS 311.

**WGS 430 Critical Sexuality Studies and Queer Theory 3**

Examines sexuality as an identity and an object of knowledge in connection to race, class, and gender. Includes exploration of the history of, and new developments in, queer theory.

**Prerequisites:** WGS 350 or permission of instructor.

**WGS 450 Topics Seminar in Women's, Gender and Sexuality Studies 3**

An in-depth study of a selected topic or topics in Women's, Gender, and Sexuality Studies involving directed reading and research.

**Notes:** May be repeated up to three (3) times for credit as topics vary.

**WGS 460 Internship in Women's, Gender and Sexuality Studies 3**

Practical experience in a variety of professional settings. Includes biweekly seminar with internship coordinator. Students complete at least 7-10 hours a week at internship sites.

**Prerequisites:** WGS 250, plus 6 additional hours in WGS. 6 hours in core courses in major, if other than WGS;

**Notes:** For Women's, Gender and Sexuality Studies majors and minors only.

**WGS 490 Women's, Gender and Sexuality Studies Senior Capstone Course 3**

Senior-level work on a major theme in the field of Women's, Gender and Sexuality Studies. Each student will design and complete a culminating research project.

**CIC:** CIC College Writing

**Prerequisites:** Women's, Gender and Sexuality Studies Major.

**WGS 493 Honors Work 3-6**

Prerequisite: Permission of instructor; 3.30 GPA in the major, 12 s.h. in the major;

**Notes:** May be repeated for credit if the topic of study changes.

**WGS 600 Independent Study 3-6**

A research or creative project related to women's and gender studies supervised by a WGS faculty member.

**Prerequisites:** At least 9 hours with a B (3.0) average or better.

**WGS 601 Women's, Gender, and Sexuality Studies Internship 3**

Supervised experience related to women's, gender, and sexuality studies. May include teaching internship, service learning opportunity, applied research experience, or internship in social justice organizations and agencies.

**Prerequisites:** For master's students, at least 15 credit hours of graduate-level course work including WGS 650 and WGS 651.

**WGS 602 Internship Seminar 3**

Prerequisite: At least 15 credit hours of graduate level course work including WGS 650 and WGS 651;

**Corequisites:** WGS 601.

**WGS 640 Experiences in Sustainable Entrepreneurship 3**

Interdisciplinary course in sustainable entrepreneurship. Exploration of models for designing and implementing entrepreneurial projects which respond to social, economic, environmental, and justice issues. Introduction to direct action and evaluation.

**Notes:** Same as ENT 640, BUS 640.

**WGS 650 Feminist Theory: Intersections of Gender, Race and Class 3**

Introduces feminist social movements across historical and global contexts. Relies on interdisciplinary lenses and epistemologies, particularly as contested identity politics intersect with other systems of power and relationships.

**WGS 651 Feminist Research Analysis 3**

Feminist approaches to philosophical and practical inquiries: data collection, analysis, and presentation. Prepares students to critically read research to understand the place of gender in lived experiences and institutional spaces.

**Prerequisites:** WGS 650.

**WGS 670 Race, Gender, and U.S. Empire 3**

Interdisciplinary investigation of the social construction of race and gender in the context of U.S. warfare and imperial statecraft. Examines critiques of US empire using critical race and feminist frameworks.

**WGS 698 Culminating Project 3**

A capstone experience for the master's degree in women's and gender studies. Students design and present culminating project in their area of specialization and professional portfolio developed from WGS courses.

**WGS 699 Thesis 1-6**

Individual guidance in the development of a specific research problem.

**Notes:** May be repeated for a maximum of 6 hours credit.

**WGS 701 Critical Sexuality Studies and Queer Theory 3**

Examines sexuality as an identity and an object of knowledge in connection to race, class, and gender. Includes exploration of the history of, and new developments in, queer theory.

**WGS 706 Topics in Gender and Sexuality Studies 3**

Intensive work at an advanced level on a selected topic in Gender and Sexuality Studies.

**Notes:** Same as ENG 706. May be repeated once for credit when topic varies.

**WGS 801 Thesis Extension 1-3**

Thesis Extension.

**WGS 803 Research Extension 1-3**

Research Extension.

# COLLEGE OF ARTS AND SCIENCES

105 Foust Building • 336-334-5241 • [aas.uncg.edu](http://aas.uncg.edu) (<http://aas.uncg.edu>)

**John Z. Kiss, Professor and Dean of the College**

**Amy Adamson, Professor and Associate Dean for Research**

**Chuck Bolton, Professor and Associate Dean**

**Dayna Touron, Professor and Associate Dean**

## About

Through its programs, courses, and faculty, the College of Arts and Sciences empowers students to succeed by embracing the challenges of a complex, changing world. A liberal education also prepares students for informed and reflective participation in society, for sustained cultural and aesthetic enjoyment, and for a lifetime of learning.

## Mission Statement

The College of Arts and Sciences promotes discovery and learning by students and faculty in the sciences, the humanities, and the arts. Firmly grounded in a tradition of rigorous disciplinary inquiry, the College also recognizes the value of connections made across disciplinary boundaries and so supports and encourages interdisciplinary and collaborative scholarship and teaching. The College is dedicated to the liberal arts mission of higher education, which is to develop the knowledge and understanding needed by citizens of a free and just society. The College faculty are committed to offering courses and programs that prepare students to meet the challenges they will face throughout their lives by emphasizing skills of reasoning, writing, speaking, and independent thinking.

## Dean's Welcome

Welcome to The College of Arts & Sciences at The University of North Carolina at Greensboro. We are the largest of the university's seven academic units, with 19 departments and six interdepartmental programs that encompass the arts, humanities, social sciences, natural sciences, and mathematics. Through this diversity of offerings, the College provides an education that will give you the skills and knowledge needed for success in the complex and changing world you will face after graduation.

No matter where your career takes you, it will be important to remain flexible and confident of your ability to succeed throughout your working life. Employers are interested in people with flexible skills and a wide-ranging, multidisciplinary perspective. This is just what the College of Arts & Sciences has designed its curriculum to provide. The 21st century world may be full of unexpected challenges, but your experience here will prepare you to embrace those challenges as well as the opportunities they bring with them.

There are a number of ways in which faculty and staff guide your intellectual development so that you can succeed in your studies and prepare for the wide variety of career paths that will be open to you. We emphasize, for example, strong writing and speaking skills, critical thinking, international understanding, research and other "hands-on" experience. As you gain deeper knowledge in your major, you'll be encouraged to also explore electives across a variety of subjects.

Therefore, becoming conversant in more than one field is another important benefit of your time in the College.

Across all of the College's academic programs, our renowned faculty members share a deep commitment to advancing discovery and learning; they bring that commitment both to classroom settings and to hands-on experiences such as research and internships. Your professors will be accomplished researchers, scholars, and artists, many with national and international reputations. At the same time, they are enthusiastic and dedicated teachers. Whatever the setting, their teaching and mentoring is informed and enlivened by their personal involvement in discovering new knowledge, exploring new artistic forms, or applying the results of research in new contexts.

I invite you to explore the College and what a learning experience here might mean for you. Each of our departments and programs (<https://aas.uncg.edu/departments/>) has its own web site. You'll find that by maintaining strong programs of research and scholarship, the College faculty work to advance our understanding of fundamental problems facing society today. You, too, will be able to use the knowledge and skills you learn here to succeed in the paths you take after graduation, enriching your own life while contributing to society.

*John Z. Kiss, Ph.D.  
Dean*

## Advising

CASA, the College advising center, provides academic assistance for first-year students.

## General Education and/or CIC Credit through Study Abroad

In addition to the previously listed General Education courses, students may receive General Education Core and Marker credit and Additional College General Education (CIC) credit for courses taken through Study Abroad. For more information, see the General Education Program topic in the University Requirements section of this catalog.

## Majors

Requirements for each of the degrees offered by the College of Arts and Sciences are included in the descriptions of majors, concentrations, and minors under the respective departments.

### Major Requirements

Major requirements are described for each program listed. A course cross-listed in the major department must be taken within the major and counts toward the total hours in the major.

### Minor Requirements

Most departments and interdepartmental programs of the College offer a minor program which may be taken in conjunction with a major. A minor usually requires 15 to 21 credit hours in a department and at least 9 credits must be taken in residence at UNC Greensboro.

### Second Majors

A student may take a second major in conjunction with the first major. This program requires a minimum of 27 credits in each of two approved majors. All requirements of each major must be met; hours from the second major can be applied toward the General Education requirements.

A student with a first major outside the College who chooses a second major in one of the College departments is required to complete all of the departmental requirements for the second major but need not satisfy the

Communicating Ideas in Context requirements (CIC). Similarly, students who are seeking either a dual degree or a second degree are exempt from the Communicating Ideas in Context requirements (CIC). In the case of transfer students, at least 15 credits in each major must be taken at UNC Greensboro.

- African American and African Diaspora Studies (p. 302)
  - African American and African Diaspora Studies, B.A. (p. 302)
  - African American Studies Undergraduate Minor (p. 303)
- Anthropology (p. 305)
  - Anthropology, B.A. (p. 305)
  - Anthropology Undergraduate Minor (p. 307)
  - Anthropology Second Academic Concentration (p. 307)
- Biology (p. 308)
  - Biology, B.A. (p. 309)
  - Biology, B.S. (p. 310)
  - Biology Undergraduate Minor (p. 312)
  - Biology Second Academic Concentration (p. 313)
  - Biology, M.S. (p. 313)
  - Environmental Health Science, Ph.D. (p. 314)
- Chemistry and Biochemistry (p. 316)
  - Biochemistry, B.S. (p. 317)
  - Chemistry, B.A. (p. 318)
  - Chemistry, B.S. (p. 320)
  - Chemistry Undergraduate Minor (p. 322)
  - Chemistry, M.S. (p. 322)
  - Chemistry and Biochemistry, Ph.D. (p. 323)
- Classical Studies (p. 325)
  - Classical Studies, B.A. (p. 325)
  - Classical Studies Undergraduate Minor (p. 327)
  - Classical Studies Second Academic Concentration (p. 327)
- Communication Studies (p. 329)
  - Communication Studies, B.A. (p. 330)
  - Communication Studies Undergraduate Minor (p. 331)
  - Communication Studies Second Academic Concentration (p. 332)
  - Communication Studies, M.A. (p. 332)
- Computer Science (p. 334)
  - Computer Science, B.S. (p. 334)
  - Computer Science Undergraduate Minor (p. 336)
  - Computer Science, M.S. (p. 336)
  - Computer Science, Ph.D. (p. 338)
- English (p. 341)
  - English, B.A. (p. 341)
  - English, Secondary Education, B.A. (p. 343)
  - Advocacy and Public Writing Undergraduate Minor (p. 346)
  - Creative Writing Undergraduate Minor (p. 346)
  - English Undergraduate Minor (p. 347)
  - English Second Academic Concentration (p. 347)
  - Creative Writing, M.F.A. (p. 348)
  - English, M.A. (p. 349)
  - English, Ph.D. (p. 351)
- Geography, Environment, and Sustainability (p. 353)
  - Environment and Sustainability, B.A. (p. 354)
  - Geography, B.A. (p. 358)
- Geography, Secondary Education, B.A. (p. 360)
- Geography, B.S. (p. 361)
- Climate Justice Undergraduate Minor (p. 364)
- Digital Earth Technologies Undergraduate Minor (p. 364)
- Environment Undergraduate Minor (p. 364)
- Geography Undergraduate Minor (p. 366)
- Sustainability Undergraduate Minor (p. 367)
- Geography Second Academic Concentration (p. 368)
- Applied Geography, M.A. (p. 369)
- Sustainability and Environment, M.S. (p. 371)
- Geography, Ph.D. (p. 372)
- Climate Justice, Post-Baccalaureate Certificate (p. 372)
- Conservation, Post-Baccalaureate Certificate (p. 373)
- Digital Earth Technologies, Post-Baccalaureate Certificate (p. 373)
- Environmental Humanities, Post-Baccalaureate Certificate (p. 374)
- Global Societies and Governance, Post-Baccalaureate Certificate (p. 374)
- Sustainability, Post-Baccalaureate Certificate (p. 375)
- History (p. 376)
  - History, B.A. (p. 376)
  - History, Secondary Education, B.A. (p. 379)
  - History Undergraduate Minor (p. 382)
  - History Second Academic Concentration (p. 382)
  - History, M.A. (p. 382)
  - History, Ph.D. (p. 384)
- Informatics and Analytics (p. 386)
  - Informatics and Analytics, M.S. (p. 386)
- Interior Architecture (p. 388)
  - Interior Architecture, B.F.A. (p. 388)
  - Design Studies Undergraduate Minor (p. 389)
  - Historic Preservation Undergraduate Minor (p. 390)
  - Interior Architecture, M.F.A. (p. 390)
  - Historic Preservation, Post-Baccalaureate Certificate (p. 392)
- Languages, Literatures, and Cultures (p. 393)
  - Languages, Literatures, and Cultures, B.A. (p. 394)
  - Spanish, B.A. (p. 401)
  - American Sign Language Undergraduate Minor (p. 403)
  - Chinese Undergraduate Minor (p. 403)
  - French and Francophone Studies Undergraduate Minor (p. 403)
  - German Undergraduate Minor (p. 404)
  - Russian Undergraduate Minor (p. 404)
  - Spanish Undergraduate Minor (p. 404)
  - Languages, Literatures, and Cultures Second Academic Concentration (p. 404)
  - Languages, Literatures, and Cultures, M.A. (p. 407)
  - Master of Arts in Teaching, M.A.T. (p. 409)
  - Teacher Education, M.Ed. (p. 410)
  - Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate (p. 411)
- Liberal and Professional Studies (p. 413)
  - Liberal and Interdisciplinary Studies, B.A. (p. 417)
  - Professional Studies Online, B.S. (p. 434)

- African Studies Undergraduate Minor (p. 435)
- Archaeology Undergraduate Minor (p. 435)
- Asian Studies Undergraduate Minor (p. 435)
- European Studies Undergraduate Minor (p. 436)
- International and Global Studies Undergraduate Minor (p. 436)
- Latin American and Caribbean Studies Undergraduate Minor (p. 436)
- Russian Studies Undergraduate Minor (p. 436)
- Liberal and Interdisciplinary Studies, M.A. (p. 437)
- eLearning, Post-Baccalaureate Certificate (p. 437)
- Global Studies, Post-Baccalaureate Certificate (p. 438)
- Mathematics and Statistics (p. 439)
  - Mathematics, B.A. (p. 439)
  - Mathematics, B.S. (p. 442)
  - Mathematics Undergraduate Minor (p. 444)
  - Statistics Undergraduate Minor (p. 444)
  - Mathematics Second Academic Concentration (<https://nextcatalog.uncg.edu/arts-sciences/mathematics-statistics/mathematics-second-academic-concentration/>)
  - Applied Statistics, M.S. (p. 445)
  - Mathematics, M.A. (p. 446)
  - Computational Mathematics, Ph.D. (p. 449)
  - Statistics, Doctoral Minor (p. 450)
  - Statistics, Post-Baccalaureate Certificate (p. 450)
- Media Studies (p. 451)
  - Media Studies, B.A. (p. 451)
  - Media Studies Undergraduate Minor (p. 452)
  - Radio Undergraduate Minor (p. 453)
- Philosophy (p. 454)
  - Philosophy, B.A. (p. 454)
  - Medical Humanities Undergraduate Minor (p. 455)
  - Philosophical Ethics Undergraduate Minor (p. 456)
  - Philosophy Undergraduate Minor (p. 456)
  - Philosophy Second Academic Concentration (p. 456)
- Physics and Astronomy (p. 457)
  - Physics, B.A. (p. 457)
  - Physics, B.S. (p. 458)
  - Physics Undergraduate Minor (p. 459)
  - Physics and Astronomy Second Academic Concentration (p. 459)
- Political Science (p. 461)
  - Political Science, B.A. (p. 461)
  - Civic Leadership and Engagement Undergraduate Minor (p. 464)
  - Political Science Undergraduate Minor (p. 464)
  - Political Science Second Academic Concentration (p. 464)
  - Public Affairs, M.P.A. (p. 464)
  - Nonprofit Management, Post-Baccalaureate Certificate (p. 466)
  - Urban and Economic Development, Post-Baccalaureate Certificate (p. 467)
- Psychology (p. 469)
  - Psychology, B.A. (p. 471)
  - Psychology, B.S. (p. 472)
  - Psychology Undergraduate Minor (p. 473)
- Psychology Second Academic Concentration (p. 473)
- Psychology, M.A. (p. 474)
- Psychology, M.A./Ph.D. (p. 474)
- Psychology, Ph.D. (p. 476)
- Religious Studies (p. 478)
  - Religious Studies, B.A. (p. 478)
  - Islamic Studies Undergraduate Minor (p. 480)
  - Jewish Studies Undergraduate Minor (p. 480)
  - Religious Studies Undergraduate Minor (p. 480)
  - Videogaming and Esports Studies Undergraduate Minor (p. 481)
  - Religious Studies Second Academic Concentration (p. 481)
- Sociology (p. 483)
  - Sociology, B.A. (p. 483)
  - Sociology Undergraduate Minor (p. 485)
  - Sociology Second Academic Concentration (p. 485)
  - Sociology, M.A. (p. 485)
  - Teaching Sociology, Post-Baccalaureate Certificate (p. 486)
- Women's, Gender, and Sexuality Studies (p. 487)
  - Women's, Gender, and Sexuality Studies, B.A. (p. 487)
  - Women's, Gender, and Sexuality Studies Undergraduate Minor (p. 489)
  - Women's, Gender, and Sexuality Studies, M.A. (p. 489)
  - Women's, Gender, and Sexuality Studies, Post-Baccalaureate Certificate (p. 491)

## Communicating Ideas in Context (CIC)

In addition to developing the core competencies of UNC Greensboro's Minerva's Academic Curriculum (MAC) and the specialized knowledge within their field, College of Arts and Sciences majors will also complete the College of Arts and Sciences' ***Communicating Ideas in Context*** (CIC) curriculum. Answering the important questions of our time and solving the serious problems that we face will require the cooperation and the collaboration of a diverse group of committed, thoughtful, and knowledgeable people. Such cooperation and collaboration are built on excellent communication skills.

The College of Arts and Sciences' ***Communicating Ideas in Context*** (CIC) curriculum is designed to strengthen your communication skills by developing:

- your skill as a writer so that you can communicate effectively;
- your understanding of how and why different types of academic disciplines make sense of our world and the people within it, so that you can work successfully with diverse teams who approach tasks with different assumptions, perspectives, and values;
- and your ability to communicate multilingually, so that you can be an active, contributing partner in our global community.

## CIC Requirements

1. Complete two (2) courses with a College Writing (CW) attribute.
2. Complete twelve (12) additional credit hours distributed across three (3) categories:

- **CIC Humanities** (6 credits)
- **CIC Natural and Data Sciences** (3 credits)
- **CIC Social and Behavioral Sciences** (3 credits)

3. Complete an additional language or culture requirement.

## 1. CIC College Writing Requirement

- In addition to the MAC Written Communication competency, students in the College of Arts and Sciences must complete 2 courses at the 200 level or above carrying the College Writing (CW) attribute. At least 1 of these courses must be in the student's major.
- Courses with a College Writing (CW) attribute can also be used to fulfill requirements for the student's majors and/or minors and the CIC Breadth of Knowledge requirement.
- Students who transfer 60 or more credits to UNC Greensboro are exempt from the CIC College Writing Requirement.

## 2. CIC Breadth of Knowledge Requirement

- In addition to the MAC, students must complete 12 additional credits distributed across three categories:
  - **CIC Humanities** (6 credits)
  - **CIC Natural and Data Sciences** (3 credits)
  - **CIC Social and Behavioral Sciences** (3 credits)
- The categories of courses are defined by the following course prefixes/courses:
  - **CIC Humanities:** ADS, ASL, BLS, CCI, CHI, ENG, FRE, GER, HIS, IAR, JNS, LLC, MST, PHI, REL, RUS, SPA, WGS, RCO 202, RCO 203, RCO 204
  - **CIC Natural and Data Sciences:** AST, BIO, CHE, CSC, GES, MAT, PHY, STA, RCO 253, RCO 254
  - **CIC Social and Behavioral Sciences:** ATY, CST, IGS, PSC, PSY, SOC, SSC, RCO 205

The 12 credits can be at any undergraduate level (100-499). Transfer credits that are not equivalent to specific UNC Greensboro courses can also be used to fulfill the Breadth of Knowledge requirements, as long as they are at the undergraduate level and include these course prefixes: ADS, AST, ATY, BIO, BLS, CCI, CHE, CSC, CST, ENG, GES, HIS, IAR, IGS, LLC, MAT, MST, PHI, PHY, PSC, PSY, REL, SOC, SSC, STA, WGS.

Three of the 12 Breadth of Knowledge credits may also be used to fulfill requirements for the student's primary major (i.e., the 3 credits can be used to fulfill both a major requirement and a Breadth of Knowledge requirement).

Credits used to fulfill the College Writing requirement may also be used to fulfill the Breadth of Knowledge requirement.

However, 101-204 language courses used to fulfill the Additional-Language Requirement cannot be used to fulfill the Breadth of Knowledge requirement.

Students who transfer 60 or more credits to UNC Greensboro are exempt from the CIC Breadth of Knowledge requirement.

## 3. CIC Additional Language Proficiency Requirement\*

Students are encouraged to take a placement test to determine what level they should start with the additional language. For both BA and BS students, the demonstration of proficiency of an additional language

above the 204-level (either via placement test or successful completion of a 300-level language class) will satisfy this requirement.

- **BA students (0-12 hours)** - can be satisfied in one of two ways:
  - a. Successfully complete a 203 course in an additional language and complete a 204 course in the same language.
  - b. Successfully complete a 203 course in an additional language and complete a CIC Culture course.
- **BS students (0-6 hours)** - can be satisfied in one of three ways:
  - a. 6 hours of additional language coursework related to a single language, between the 101-204 level, depending on their starting point in the language.
  - b. 3 hours of additional language coursework, between the 101-204 level, depending on their starting point in the language, and a CIC Culture course.
  - c. 6 hours of CIC Culture courses.

Code	Title	Credit Hours
<b>CIC Culture Courses:</b>		
ADS 350	Contemporary Africa	
ADS 356	The Making of the African Diaspora	
ATY 311	Reading Culture and Society	
ATY 334	Latin American Art and Archaeology	
ATY 354	Modern Asia through its Music	
BLS 327	Contemporary Asian Literature	
BLS 386	Women, War, and Terror	
CCI 323	The World of Alexander the Great	
CCI 332	Comparative Studies in World Epics	
CCI 354	Roman Republic 754 BC - 44 BC	
CHI 313	Major Figures in Chinese Literature	
CST 337	Intercultural Communication	
ENG 315	Postcolonial Literatures	
ENG 340	Shakespeare: Later Plays	
GER 310	German Culture: Advanced Intermediate-Topics in German Film	
GES 301	Cities of the World	
GES 306	World Economic Geography	
HIS 312	The Crusades	
HIS 318	Revolution and Reform in Modern Latin America	
HIS 348	The World at War, 1914-1918	
HIS 349	The World at War, 1939-1945	
HIS 354	Roman Republic 754 BC - 44 BC	
HIS 369	History of Spain	
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 380	Topics in the Near and Middle East	
HIS 382	Viet Nam: History, Culture, and Resistance	
HIS 384	The Modern Transformation of China: 1800 to Present Day	
HIS 389	West Africa during the Atlantic Slave Trade	
HIS 408	Latin America and Caribbean: Selected Topics	
IPS 305	Global Awareness and Intercultural Competence	
JNS 306	Current Issues in Japan	
PSC 344	Politics of Globalization	

PSC 355K	Selected Topics in Comparative Politics: Russian Politics	transfer students, at least 15 credits in each major must be taken at UNC Greensboro.
REL 301	Early Christianity	
REL 341	Topics in Jewish Thought	
REL 370	Religions of Iran: Selected Topics	
REL 371	Topics in Islam: Islamic Thought, Culture, and History	
REL 382	Topics in Christian Thought	
RUS 313	Major Authors in Russian Literature	
RUS 314	Major Movements in Russian Literature and Culture	
SOC 342	Global Inequalities	
SOC 344	Global Society	
SOC 371	Race, Ethnicity, and Migration in a Global Context	
WGS 333	Postcolonial and Transnational Feminisms	

- \* • *Students who transfer 60 or more credits to UNC Greensboro can satisfy this requirement by successfully completing a 102 level course. Students who transfer 90 or more credits to UNC Greensboro are exempt from this requirement.*
- *Students with fewer than 60 transfer credit hours who have previously completed an additional language through the 102 level, with a subsequent learning gap of five years or more (from the completion of the 102 equivalent), may apply to the College Appeals Committee for permission to use courses from the list of approved MAC Global Engagement and Intercultural Learning Competency courses as substitutions for the intermediate-level 203 and 204 language classes. These courses must be taken in addition to the courses taken to meet the MAC Global and Intercultural Competency requirement.*

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#### The CIC requirements are waived for students in:

- the Interior Architecture, B.F.A. program.
- the Integrated Professional Studies Online major.

#### The following modification of the CIC requirements apply to students in the Bachelor of Arts in Liberal and Interdisciplinary Studies program:

1. Students who transfer in 60+ credit hours and do not have 101 and 102 of an additional language can complete 6 credit hours (or 3 credit hours if they have 101 credit) of MAC Global Engagement and Intercultural Learning courses to satisfy the additional language requirement.
2. The breadth of knowledge requirement and the additional language requirement are waived for reactivated students and students who change their major from outside of CAS with 90 or more credits.

#### Second Majors

A student may take a second major in conjunction with the first major. This program requires a minimum of 27 credits in each of two approved majors. All requirements of each major must be met; hours from the second major can be applied toward the General Education requirements.

A student with a first major outside the College who chooses a second major in one of the College departments is required to complete all of the departmental requirements for the second major but need not satisfy the Communicating Ideas in Context requirements (CIC). Similarly, students who are seeking either a dual degree or a second degree are exempt from the Communicating Ideas in Context requirements (CIC). In the case of

# African American and African Diaspora Studies

*College of Arts and Sciences*

349 Curry Building  
336-334-5507  
<https://aads.uncg.edu>

Noelle Morissette, *Department Head*  
Michael Cauthen, *Director of Undergraduate Studies*

## Mission Statement

The African American and African Diaspora Studies Program (AADS) advances the university's commitment to diverse perspectives and inclusive learning environments through course offerings, programming, and community engagement. It fosters interdisciplinary study for undergraduate and post-baccalaureate students by examining how people of African descent have shaped our world. As a program located in a city with a history of Black sociopolitical movements, we provide a forum to engage the complexities of Black life across African diasporas.

## About

Since 1982, the AADS Program has been central to UNC Greensboro's goal to provide its increasingly diverse student population with an opportunity to study the cultures, histories, and experiences of the African World—from Africa, to the Americas, the Caribbean, and the Indian Ocean.

### Professor

Omar Hamid Ali<sup>G</sup>

### Assistant Professor

Jazmin Malani Eyssallenne  
Hewan Girma<sup>G</sup>

### Lecturer

Dominick Maurice Hand  
Demetrius Noble  
April Yaisa Ruffin Adams  
Donela Charice Wright

*G Graduate-level faculty.*

- African American and African Diaspora Studies, B.A. (p. 302)
- African American Studies Undergraduate Minor (p. 303)

## African American and African Diaspora Studies, B.A.

The African American and African Diaspora Studies major provides students with an integrated and critical understanding of the experiences and contributions of peoples of African descent throughout the world.

The African American and African Diaspora Studies Program is committed to offering an academically challenging curriculum coupled with the solid foundation of a liberal arts education. African American and African Diaspora Studies students will be able to apply theories

and methods to better understand the social, political, and economic problems facing people of African descent.

The Cultural Arts concentration is for majors interested in developing their knowledge of African American performance, art, film, and music. Students who pursue this concentration will enhance their understanding of the intersections between African American and African Diaspora cultures, history, politics, gender, and artistic expression.

Students graduating with the major will be well prepared for leadership roles in the African American community, in particular, and American society in general.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
	<b>Core Courses</b>	18
ADS 201	Introduction to African American Studies	
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives	
ADS 315	Theories and Paradigms in African American Studies	
ADS 410	Seminar in African American Studies	
<i>Select one of the following:</i>		
ADS 376	Africana Literature	
ENG 374	Early African American Writers	
ENG 376	African American Writers after the 1920s	
<i>Select one of the following:</i>		
ADS 356	The Making of the African Diaspora	
HIS 301	Race and Slavery	
HIS 389	West Africa during the Atlantic Slave Trade	
	<b>Additional ADS and Related Area Courses</b>	12

### Select 12 credits from the following:

ADS 200	African American Art History
ADS 260	Understanding Race
ADS 305	Special Topics in African American Studies
ADS 310	The Portrayal of African Americans in Film
ADS 320	The African American Athlete
ADS 325	Black Women in the U.S.
ADS 330	Black Music as Cultural History: 1960-1980
ADS 351	Race and Gender in Black Performance
ADS 400	Independent Study
ADS 454	Indpdnt Blck Pltcs 19th Cntry
ADS 492	Internship in African American Studies

Code	Title	Credit Hours
Required		3
HSS 490	Senior Honors Project	
6 credits of Honors course work in the major		6
3 credits of Honors course work in the major or another area		3
<b>Recognition</b>		
Receive a Certificate of Disciplinary Honors in African American and African Diaspora Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.		
<b>Honors Advisor</b>		
Contact Frank Woods at <a href="mailto:nwoods@uncg.edu">nwoods@uncg.edu</a> for further information and guidance about Honors in African American and African Diaspora Studies. To apply: <a href="http://honorscollege.uncg.edu/forms/disc-application.pdf">http://honorscollege.uncg.edu/forms/disc-application.pdf</a>		

## African American Studies Undergraduate Minor Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
Required		
ADS 201	Introduction to African American Studies	
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives	
<b>Additional ADS and Related Area Courses</b>		
Select 12 credits from the following:		
ADS 200	African American Art History	
ADS 260	Understanding Race	
ADS 305	Special Topics in African American Studies	
ADS 310	The Portrayal of African Americans in Film	
ADS 320	The African American Athlete	
ADS 325	Black Women in the U.S.	
ADS 330	Black Music as Cultural History: 1960-1980	
ADS 351	Race and Gender in Black Performance	
ADS 400	Independent Study	
ADS 454	Indpndnt Blck Pltcs 19th Cntry	
ADS 492	Internship in African American Studies	
ARH 211	Art and the African-American Presence	
ARH 370	African Art: Ancient Empires to Colonial Contact	
ATY 440	Colliding Worlds: Forming America	
DCE 132	African Dance I	
DCE 232	African Dance II	
DCE 332	African Dance III	
ENG 315	Postcolonial Literatures	
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 302	Race and Segregation	
HIS 403	African American His: Sel Tpcs	

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Cultural Arts

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Cultural Arts Concentration Requirements

Code	Title	Credit Hours
Required		12
ADS 400	Independent Study	
Select 9 credits from the following:		
ADS 200	African American Art History	
ADS 310	The Portrayal of African Americans in Film	
ADS 330	Black Music as Cultural History: 1960-1980	
ADS 351	Race and Gender in Black Performance	

## Disciplinary Honors in African American and African Diaspora Studies

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

HIS 424	20th Cen US His:Selctd Topics
HIS 481	African History: Selected Topics
MUS 214	Jazz Appreciation
PHI 121	Contemporary Moral Problems
PSC 391	African Political Systems
PSC 392	The Politics of South Africa Through Film and Literature
REL 229	Introduction to African American Religions
REL 332	Contemporary African American Religious Thought
SOC 222	Sociology of Deviant Behavior
SOC 327	Race and Ethnic Relations
SOC 364	African American Social Thought
SOC 390	African American Perspectives on Crime
SOC 425	Contemporary Gangs in America
WGS 333	Postcolonial and Transnational Feminisms

# Anthropology

*College of Arts and Sciences*

426 Graham Building  
336-334-5132  
[www.uncg.edu/ant](http://www.uncg.edu/ant/) (<http://www.uncg.edu/ant/>)

**Donna Nash**, *Department Head and Director of Undergraduate Studies*

## Mission Statement

The mission of the UNC Greensboro Department of Anthropology is to strive for excellence in research, teaching, and service. We are firmly committed to the pursuit of anthropological knowledge, and we challenge students to explore the diversity of human experience critically and holistically, both in the past and present. The faculty is committed to advancing foundational anthropological ethics such as the value of human diversity, cultural tolerance, and respect for the practice of different lifeways across the globe. We provide students with the knowledge and skills necessary to accomplish their personal goals whether they pursue advanced graduate study or the practical application of anthropological knowledge in the workplace. Anthropology coursework is designed to foster the critical thinking skills necessary to devise realistic solutions, public policy, and effective interventions to address both local and international economic, environmental, health, political, and social problems. This is achieved by incorporating students in active research programs that provide real-world, hands-on experiences and nurture creative problem-solving skills and examples that promote responsible community engagement, heritage conservation, and service.

## About

Anthropology is a broad discipline which includes biological anthropology—the study of humans as biological animals; cultural anthropology—the study of humankind in a cultural perspective; archaeology—the recovery and interpretation of ancient human cultural remains; and linguistics—the study of language in culture and society.

The undergraduate major provides for extensive study in cultural anthropology, archaeology, and biological anthropology. Majors who develop a particular interest in one of the subdisciplines may pursue a concentration in that area, or they may choose to take electives in multiple sub-fields. Majors have opportunities to work closely with members of the faculty on current research projects in the lab and in the field. Internships in various agencies are also available.

Anthropology as a major prepares individuals to pursue many avenues of career development. It is the basis for a career as a professional anthropologist. Anthropology combined with other courses of study as double majors enhances career possibilities and professional development. There are, moreover, increasing opportunities for anthropologists to work in government agencies, non-profits, and business. In such settings, anthropological knowledge of biology, culture, and long term patterns of cultural change may be applied to the solution of human problems.

### Professor

Susan Andreatta<sup>G</sup>  
Robert Anemone<sup>G</sup>  
Arthur Dennis Murphy<sup>G</sup>

### Associate Professor

Charles P. Egeland<sup>G</sup>

**Assistant Professor**  
Cassandra Lin Workman

**Lecturer**  
Stephanie Joy Friede  
Joel Duane Gunn  
Geoffrey R. Hughes  
Luke Frederic Kaiser

*G Graduate-level faculty.*

- Anthropology, B.A. (p. 305)
- Anthropology Undergraduate Minor (p. 307)
- Anthropology Second Academic Concentration (p. 307)

## Anthropology, B.A.

The Anthropology Major provides training in cultural awareness, understanding, and tolerance, human biological development and variation, as well as social and behavioral science of the past and present. The program presents a holistic view of humans interacting in society and with their environments to explore cultural and biological change through time. The impact of social, political, economic, health and environmental factors on modern, multi-ethnic populations across the globe, including the United States, is emphasized. Through courses in anthropological archaeology, biological anthropology, and cultural anthropology the Anthropology Major enriches a foundational liberal arts education and prepares students to pursue professional careers in our diverse, multi-cultural world, or graduate or professional studies.

## Building Knowledge, Obtaining Life-Long Skills

The Anthropology Major is designed to create globally aware, life-long learners with critical thinking and communication skills necessary to be successful in an ever-shifting marketplace of ideas, technology, and employment. Coursework in Anthropology offers students high-impact, hands-on research opportunities, problem-solving, written and oral communication, social agility, and cultural competence. Anthropology faculty bring their research, which is based in Africa, Asia, Europe, Latin America, and the US, into the classroom and offer courses in primatology, human evolution, race and biological diversity, forensics, historic and prehistoric archaeology, community responses to crisis and disaster, public health, medical anthropology, environmental anthropology, economics, politics, gender, and social inequality. The program welcomes all second majors or minors seeking to enrich their program of study.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- All anthropology majors must complete a minimum of 37 credits in anthropology with an overall GPA in the major of at least a 2.0, including the courses as listed below.
- Although not a requirement beyond the 37 credit minimum, majors may choose to take additional courses in any of the subdisciplines: Archaeology, Cultural Anthropology, or Biological Anthropology. Students may select appropriate courses in consultation with a faculty member in one of the subdisciplines.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Core Courses</b>		<b>16</b>
ATY 113	Engaging Culture	
ATY 153 & 153L	The Human Species and The Human Species: Laboratory	
ATY 158	Adventures in Time-Travel through Archaeology	
ATY 363	History of Anthropological Theory	
ATY 495	Contemporary Issues in Anthropology	
<b>Methods</b>		<b>3</b>
<i>Select one of the following:</i>		
ATY 360	Methods in Archaeology	
ATY 361	Methods in Biological Anthropology	
ATY 362	Methods in Cultural Anthropology	
<b>Data Interpretation</b>		<b>3</b>
<i>Select one of the following:</i>		
ATY 321	Qualitative Data & Anthropological Knowledge	
ATY 369	Statistics for Anthropology	
<b>Seminars</b>		<b>6</b>
<i>Select two of the following:</i>		
ATY 350	Human Origins and Evolution	
ATY 420	Economic Anthropology	
ATY 423	Applying Archaeology in the Real World	
ATY 424	Applying Anthropology in the Real World	
ATY 426	Food and Culture in a Global Context	
ATY 440	Colliding Worlds: Forming America	
ATY 444	Archaeology of Power/Politics	
ATY 449	Gender Archaeology	
ATY 450	Environmental Anthropology	
ATY 457	Primate Behavior	
ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)	
ATY 462	Archaeology of the Southeastern United States	
ATY 465	Medical Anthropology	
ATY 469	Anthropology of Infectious Disease	
<b>Electives</b>		<b>9</b>
<i>Select three additional ATY courses.</i> *		

\* Only one of these courses can be at the 200 level. Only one of the following courses can be applied to this requirement: ATY 497, ATY 498, or ATY 499.

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Anthropology Licensure in Social Studies High School Teaching

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Anthropology Licensure in Social Studies High School Teaching

#### Teacher Licensure Requirements

Students majoring in anthropology may seek Standard Professional I teacher licensure in comprehensive social studies with an endorsement in anthropology. Completion of licensure requirements will allow majors to teach Social Studies as well as anthropology in secondary school. Many of the requirements for licensure satisfy liberal education requirements in the college as well as for the major and the Social Studies requirements. Majors who wish to pursue the Standard Professional I License in social studies should consult with the departmental Social Studies committee representative.

The courses listed below satisfy competencies for the Standard Professional I License in Secondary Social Studies.

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure</b>		<b>45</b>
ECO 201 or ECO 202	Principles of Microeconomics Principles of Macroeconomics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	
<i>Choose one additional 300-level history course</i>		
The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.		
TED 435	Literacy in the Content Area	
ERM 405	Measurement and Assessment in Teaching	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 453	Teaching Practices and Curriculum in Social Studies	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	

## Disciplinary Honors in Anthropology

#### Requirements

- A minimum of 15 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
ATY 493	Honors Work **	6
HSS 490	Senior Honors Project <sup>1</sup>	
<b>6 credits of Honors course work in the major *</b>		<b>6</b>
<b>3 credits of other Honors course work in the major or another area</b>		<b>3</b>

\* ATY 495 cannot be used as an Honors course.

\*\* ATY 493 should be taken before HSS 490.

<sup>1</sup> Working with a faculty mentor, a senior honors project HSS 490 needs to consist of a 10,000 – 15,000 word thesis (or higher depending on the topic and size of the dataset) or a publishable paper (excluding title page and bibliography).

### Recognition

Receive a Certificate of Disciplinary Honors in Anthropology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Charles Egeland at cpegeland@uncg.edu for further information and guidance about Honors in Anthropology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Anthropology Undergraduate Minor

Anthropology as the original discipline of culture studies and the pioneer of promoting diversity, equity, and inclusion through cross-cultural study and understanding makes an excellent minor to add to other majors in the social sciences, humanities, and health sciences. The Anthropology curriculum offers courses focused on living societies, public health, human evolution, forensic science, and prehistoric peoples from around the globe.

## Program Requirements

- Minimum of 15 credit hours with the ATY prefix.

### Recommended Courses

**General Anthropology** courses include:

- ATY 113 Engaging Culture
- ATY 311 Reading Culture and Society
- ATY 363 History of Anthropological Theory

**Ethnology and/or Ethnography** courses focused on the study of living populations and cultural diversity that are especially useful for majors in Economics, Geography, International Studies, and Social Studies include:

- ATY 113 Engaging Culture
- ATY 230 Cultures of Native North America
- ATY 315 World Ethnographies
- ATY 333 Latin American Societies and Cultures
- ATY 426 Food and Culture in a Global Context
- ATY 450 Environmental Anthropology
- ATY 465 Medical Anthropology

**Archaeology and Historical Archaeology** courses focused on the societies of the past that are especially useful for majors in Classical Studies, History or Social Studies include:

- ATY 158 Adventures in Time-Travel through Archaeology
- ATY 208 Lost Tribes and Sunken Lands
- ATY 334 Latin American Art and Archaeology
- ATY 341 Paleolithic Archaeology
- ATY 370 Historical Archaeology of the Modern World
- ATY 440 Colliding Worlds: Forming America
- ATY 462 Archaeology of the Southeastern United States

**Physical and/or Biological Anthropology** courses focused on evolution, human biological diversity, health, biology, chemistry, nutrition or forensics include:

- ATY 153 The Human Species
- ATY 231 Race and Human Diversity
- ATY 357 Monkeys, Apes, and Humans
- ATY 359 Forensic Anthropology
- ATY 426 Food and Culture in a Global Context
- ATY 453 Human Osteology
- ATY 455
- ATY 459 Anthropology of Global Water, Sanitation and Hygiene (WASH)
- ATY 465 Medical Anthropology

## Anthropology Second Academic Concentration

The second academic concentration in Anthropology is designed specifically for Elementary Education Majors.

### Requirements

- 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		
ATY 113	Engaging Culture	18
ATY 153	The Human Species	
ATY 158	Adventures in Time-Travel through Archaeology	
<i>Select one methods course of the following:</i>		
ATY 360	Methods in Archaeology	
ATY 362	Methods in Cultural Anthropology	
ATY 453	Human Osteology	
<i>Select one elective at the 300 level</i>		
<i>Select one elective at the 400 level</i>		

# Biology

*College of Arts and Sciences*

312 Eberhart Building

336-334-5391

<https://biology.uncg.edu>

**Malcolm D. Schug, Department Head**

**Sally (Sarah) E. Koerner, Director of Undergraduate Studies**

**Jim (James) S. Coleman, Graduate Program Director**

## Mission Statement

The UNC Greensboro Department of Biology endeavors towards excellence in conducting research and teaching biological concepts and skills to biology majors and graduate students, to prepare them for professional careers and more advanced study. We introduce non-biology majors to the foundations and applications of biology. By involving undergraduate and graduate students in research, we contribute to and increase society's knowledge across the broad spectrum of biology. We train doctoral students in Environmental Health Science, a complex and rapidly changing discipline. Through laboratory training and directed research experiences, we enhance our students' technical and analytical skills so that they can contribute meaningfully to an increasingly technological world. Our leadership in scientific innovation and discovery serves our students, profession, and our local and global communities.

## About

The Department of Biology has a strong commitment to teaching at both the undergraduate and graduate levels. Recipients of undergraduate biology degrees find employment in a wide range of fields and are well-prepared for further study in graduate school and in health-related professions such as medicine, dentistry, and veterinary medicine. Writing and speaking-intensive courses and laboratory classes help develop communication and research skills.

The department's tradition of excellence in education is complemented by a faculty actively engaged in research in areas ranging from molecular biology and biochemistry to ecology and evolution. Students are encouraged to gain research experience through independent study with a faculty mentor.

## Transfer Credit

Credit for courses above the 100 level is transferred as Biology elective credit only. To establish transfer credit for specific Biology courses above the 100 level, students should contact the Director of Undergraduate Studies or Associate Head. Transfer students are reminded that at least 12 semester hours in the major must be completed at UNC Greensboro.

## Biology as a Second Major

Students who wish to declare a second major in Biology must complete all requirements listed above under the degree selected.

## Biology Standard Professional I License Only

Students who have already completed an undergraduate degree and who are now seeking the Standard Professional I License in Biology must complete the requirements for a B.A. or B.S. in Biology at UNC Greensboro with a biology grade point average of 2.50 or better. Course selection must be completed in consultation with the Head of the Department of Biology.

Students who have already taken biology courses as part of their undergraduate program should contact the Head of the Department of Biology to determine if any of those courses can be accepted as meeting some of the requirements for the Standard Professional I License in Biology at UNC Greensboro.

Direct questions about these requirements to the Head of the Department of Biology.

## Graduate Programs

Graduate students enrolled in either program have the opportunity to work with a research advisor from among 20 full-time faculty. Research areas range from the ecological to the cellular level, and include aquatic ecology, trophic interactions in lakes and streams, plant-microbe-herbivore interactions, microbial food chains, infectious disease ecology, plant evolution and population ecology, animal behavior, aging, cell motility, developmental, chromosome, cell cycle and viral genetics, neuroendocrine control of metamorphosis and glucose homeostasis. Go to <https://biology.uncg.edu/position/research-faculty/> for detailed descriptions of faculty research. The broad range of training and research expertise among faculty members allows for an integrative approach to research studies in Biology for the M.S. degree and in Environmental Health Science for the Ph.D. degree. Faculty in the department are funded from the National Institutes of Health, the National Science Foundation, and a variety of private funding agencies.

### Professor

Amy L. Adamson<sup>G</sup>  
 Jim Coleman<sup>G</sup>  
 Zhenquan Jia<sup>G</sup>  
 John Z Kiss<sup>G</sup>  
 John J. Lepri<sup>G</sup>  
 Yashomati Mulchand Patel<sup>G</sup>  
 Gwen Robbins Schug<sup>G</sup>  
 Paul A Steimle<sup>G</sup>  
 Gideon Wasserberg<sup>G</sup>

### Associate Professor

Mark Daniel Hens<sup>G</sup>  
 Karen S. Katula<sup>G</sup>  
 Sally E Koerner<sup>G</sup>  
 Malcolm D Schug<sup>G</sup>  
 John E. Tomkiel Dean<sup>G</sup>  
 Kevin Rory Wilcox<sup>G</sup>

### Assistant Professor

Bryan S McLean<sup>G</sup>  
 Ayalew Ligaba Osena<sup>G</sup>  
 Akira Terui<sup>G</sup>

### Senior Lecturer

Joseph Clayton Bundy  
 Austin N Craven  
 Meg L. Horton  
 Jeremy Ingraham  
 Robin (Roberta) Maxwell  
 Heather Rushforth  
 Casey Michelle Taylor  
 Elizabeth S Tomlin

### Lecturer

Rammyani Bagchi  
 Catherine M. Bush

Curtis E. Green  
 Randall Dale Hayes  
 Chris Andrew Hylton  
 Julia Loreth  
 Rebecca Diane Malin  
 Jessica Kennedy Mayer  
 Candie Nicole Rumph  
 Ashlyn Michelle Spring

G Graduate-level faculty.

- Biology, B.A. (p. 309)
- Biology, B.S. (p. 310)
- Biology Undergraduate Minor (p. 312)
- Biology Second Academic Concentration (p. 313)
- Biology, M.S. (p. 313)
- Environmental Health Science, Ph.D. (p. 314)

## Biology, B.A.

The Department offers a full range of courses leading to the B.A. degree. The degree may lead to further study in graduate school, medicine, dentistry, veterinary medicine, medical technology, biotechnology, and environmental biology. See also Preprofessional Programs. Both study and laboratory facilities are available to advanced undergraduates.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require hours beyond the minimum listed.
- Students must have a grade point average of at least 2.0 in Biology courses completed at UNC Greensboro.
- A minimum of 30 credits of Biology course above the 100 level.
- A maximum of 4 credits at the 200 level may be counted toward the major.

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

### Major Requirements

Code	Title	Credit Hours
<b>Program Qualifications</b>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	8
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
<b>Core Courses *</b>		<b>16</b>
BIO 301	Principles of Ecology	
BIO 355	Cell Biology	
BIO 392	Genetics	
BIO 330	Evolution	

BIO 315	Ecology and Evolution Laboratory	
BIO 375	Cell Biology and Genetics Laboratory	
<b>Related Area Requirements</b>		<b>11-12</b>
CHE 111	General Chemistry I	
CHE 112	General Chemistry I Laboratory	
CHE 114	General Chemistry II	
CHE 115	General Chemistry II Laboratory	
MAT 183	Mathematics for the Life Sciences	
or MAT 151	Precalculus II	
or MAT 190	Precalculus	
or MAT 184	Calculus for the Life Sciences	
or MAT 191	Calculus I	
or MAT 196	Calculus A	

\* In meeting the requirement for hours above the 100 level, all B.A. in Biology majors must complete the following core courses; completion of at least four of these requirements is strongly recommended prior to enrollment in courses numbered 400 and higher.

### Recommended

The department highly recommends the course listed below in addition to the required courses listed above.

Code	Title	Credit Hours
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory	
MAT 196	Calculus A	
MAT 296	Calculus B	
or STA 271	Fundamental Concepts of Statistics	
PHY 211	General Physics I	
PHY 212	General Physics II	

### Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Biology Major with Comprehensive Science High School Teaching Licensure

### Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Biology Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (BIOL) program provides a strong background in biology as well as licensure for high school biology teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

The Department offers a full range of courses leading to the B.A. degree. The degree may lead to further study in graduate school, medicine, dentistry, veterinary medicine, medical technology, biotechnology, and

environmental biology. See also Preprofessional Programs. Both study and laboratory facilities are available to advanced undergraduates.

Students seeking admission to the UNC Greensboro Teacher Education Program with a major in Biology must meet the following minimum requirements of the Department of Biology:

1. Completion of a minimum of 9 credit hours in biology courses, with at least six of those hours from courses taken at UNC Greensboro
2. A grade point average of at least 2.50 for biology courses completed at UNC Greensboro

Students already admitted to the UNC Greensboro Teacher Education Program with a major in Biology who are seeking admission to Student Teaching must meet the following requirements of the Department of Biology:

1. Completion of a minimum of 18 credits of biology courses, with at least 15 of those credits from courses taken at UNC Greensboro
2. A grade point average of at least 2.50 for biology courses completed at UNC Greensboro

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure *</b>		
<i>Required</i>		
GES 103	Introduction to Earth Science	
<i>Select one or more of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	
<i>The following courses must be taken in a specified sequence terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.</i>		
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 401	Child and Adolescent Development and Learning	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 403	Teaching Multilingual Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
LIS 120	Introduction to Instructional Technology for Educational Settings (strongly recommended)	

\* The Teaching Licensure program in Biology includes a diverse science curriculum in order to align with licensure requirements of the North Carolina Department of Public Instruction.

## Disciplinary Honors in Biology

### Requirements

- A minimum of 18 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A grade of B or higher in all course work used to satisfy the Honors requirements in Biology.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	6-9
BIO 493	Honors Work *	
<b>Select two 400-level Biology courses completed with Honors Contracts</b>		
<b>Select a third Honors Contract course in Biology at the 300 or 400 level</b>		
<b>Any of the Department's journal clubs</b>		

*Oral presentation of Honors Thesis to a committee of three Biology Faculty or public presentation of research at a local, regional, or national meeting is required.*

\* Only 6 credits may be counted toward the 30 credit minimum in the Biology major

### Recognition

Receive a Certificate of Disciplinary Honors in Biology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact John Lepri at [jlepri@uncg.edu](mailto:jlepri@uncg.edu) for further information and guidance about Honors in Biology. To apply: <https://honorscollege.uncg.edu/disciplinary-honors/disciplinary-honors-admissions/>

## Biology, B.S.

The Bachelor of Science degree is offered for those students aspiring to a professional career in biology, and for those students with particularly strong interests in the discipline. See also Preprofessional Programs. A student pursuing the Bachelor of Science is expected to develop a stronger background in mathematics and related sciences and to attain a greater understanding of biology than will a student pursuing a Bachelor of Arts degree. Bachelor of Science students will also be strongly encouraged to undertake an individual research project with a faculty member during their junior and/or senior year.

The B.S. in Biology offers three concentrations for students to choose from.

### Biotechnology Concentration

The concentration in biotechnology is designed for students with a strong interest in molecular biology and genetics. Courses will prepare

students in both conceptual aspects of molecular biology and their practical application in biotechnology and genetic engineering.

#### **Environmental Biology Concentration**

This concentration is designed for students with a strong interest in environmental biology. The concentration provides students with a breadth and depth of environmental awareness, rigorously prepares them for advanced studies in environmental biology and trains them for environmentally-oriented professions.

#### **Human Biology Concentration**

This concentration is designed for biology majors who want to develop the ability to integrate biological knowledge as it relates to human beings. The study of human biology requires fundamental knowledge of basic life science, since humans and other animals share a large number of structural, chemical, and control mechanisms. Moreover, human behavior occurs within a specific evolutionary and ecological setting, just as it does in other animals. Our complex brains, our communication and conceptual abilities, and our social structures, can be more fully understood by those who complete this concentration.

### **Overall Requirements**

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Students must have a grade point average of at least 2.0 in Biology courses completed at UNC Greensboro.
- A minimum of 30 credits of Biology courses above the 100 level.
- A maximum of 4 credits at the 200 level may be counted toward the major.

### **Degree Program Requirements**

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

### **Major Requirements**

Code	Title	Credit Hours
<b>Program Qualifications</b>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	8
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
<b>B.S. in Biology Core Courses</b>		<b>16</b>
BIO 301	Principles of Ecology	
BIO 355	Cell Biology	
BIO 392	Genetics	
BIO 330	Evolution	
BIO 315	Ecology and Evolution Laboratory	
BIO 375	Cell Biology and Genetics Laboratory	
<b>Related Area Requirements</b>		<b>30-32</b>
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	

CHE 351	Organic Chemistry I
CHE 352 & CHE 354	Organic Chemistry II and Organic Chemistry Laboratory
MAT 184	Calculus for the Life Sciences
or MAT 196	Calculus A
or MAT 191	Calculus I
MAT 296	Calculus B
or MAT 292	Calculus II
or STA 271	Fundamental Concepts of Statistics
<i>Select one sequence of the following:</i>	
PHY 211 & PHY 212	General Physics I and General Physics II
or PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus

### **Optional Concentrations**

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Biotechnology
- Environmental Biology
- Human Biology

### **Electives**

Electives sufficient to complete the 120 credit hours required for the degree.

#### **Biotechnology Concentration Requirements**

Code	Title	Credit Hours
<b>Required</b>		
BIO 481 & 481L	General Microbiology and General Microbiology Laboratory	12
BIO 494	Introduction to Biotechnology	
BIO 482	Molecular Biological Approaches in Research	
<i>Select at least one of the following courses:</i>		3
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory	
BIO 497	Internship in Biology	
BIO 499	Undergraduate Research	
BIO 428	Microbial Ecology	
BIO 435	Biochem:Metabolic Regulation	
BIO 437	Human Evolutionary Genetics	
BIO 442	GEnes and Signals	
BIO 473	Drugs and the Brain	
BIO 478	Hormones in Action	
BIO 485	Virology	
BIO 486	Cell Cycle and Cancer	
BIO 487	Epigenetics	
BIO 490	Introduction to Mathematical Models in Biology	
BIO 495	Advanced Genetics	

## Environmental Biology Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
BIO 431	The Biosphere	12
Select one of the following advanced Biology courses:		3-4
BIO 422	Plant Diversity	
BIO 441 & 441L	Invertebrate Zoology and Invertebrate Zoology Laboratory	
BIO 470 & 470L	Vertebrate Zoology and Vertebrate Zoology Laboratory	
BIO 451	Vascular Plant Systematics	
Select at least two of the following advanced Biology courses:		6
BIO 361	Biology and Conservation of Sea Turtles	
BIO 420	Marine Biology	
BIO 438	Animal Behavior	
BIO 401	Adv Topics in Animal Ecology	
BIO 410	Advanced Tpns in Plant Ecology	
BIO 421	Ecosys Ecolgy Biogeochem	
BIO 427	Landscape Ecology	
BIO 426	Conservation Biology	
BIO 428	Microbial Ecology	
BIO 429	Aquatic Ecology	
BIO 437	Human Evolutionary Genetics	
BIO 444	Entomology	
BIO 452	Metamorphosis	
BIO 460	Symbiosis	
BIO 480	Environmental Physiology	

## Human Biology Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	13
or BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
Select at least three of the following courses:		
BIO 425	Biological Clocks	
BIO 435	Biochem:Metabolic Regulation	
BIO 436	Biology of Aging	
BIO 437	Human Evolutionary Genetics	
BIO 438	Animal Behavior	
BIO 449	Current Topics in Biology	
BIO 453	Vertebrate Morphogenesis	
BIO 455	Vertebrate Reproduction	
BIO 464 & 464L	Developmental Biology and Developmental Biology Laboratory	
BIO 472 & 472L	Histology and Histology Laboratory	
BIO 476	Pop Genetics / Molecular Evol	
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory	

BIO 481 & 481L	General Microbiology and General Microbiology Laboratory
BIO 485	Virology
BIO 486	Cell Cycle and Cancer
BIO 487	Epigenetics
BIO 492	Genetics of Complex Traits
BIO 495	Advanced Genetics
ATY 153	The Human Species
PSY 230	Biological Psychology

## Disciplinary Honors in Biology

### Requirements

- A minimum of 18 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A grade of B or higher in all course work used to satisfy the Honors requirements in Biology.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	6-9
BIO 493	Honors Work *	
Select two 400-level Biology courses completed with Honors Contracts		6
Select a third Honors Contract course in Biology at the 300 or 400 level		3
Any of the Department's journal clubs		1

*Oral presentation of Honors Thesis to a committee of three Biology Faculty or public presentation of research at a local, regional, or national meeting is required.*

\* Only 6 credits may be counted toward the 30 credit minimum in the Biology major

### Recognition

Receive a Certificate of Disciplinary Honors in Biology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact John Lepri at [jlepri@uncg.edu](mailto:jlepri@uncg.edu) for further information and guidance about Honors in Biology. To apply: <https://honorscollege.uncg.edu/disciplinary-honors/disciplinary-honors-admissions/>

## Biology Undergraduate Minor

A minimum of 17 credit hours in biology is required for a minor in biology. A student must have at least a 2.0 GPA in Biology courses completed at UNC Greensboro to receive a minor in Biology.

## Program Requirements

- Minimum of 17 credit hours

Code	Title	Credit Hours	Code	Title	Credit Hours
<b>Required</b>		<b>8</b>	<b>Requirements</b>		<b>8</b>
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory		BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory		BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
<b>Core Biology Courses</b>		<b>6</b>	BIO 392	Genetics	
<i>Select two 300-level core biology courses from the following:</i>			BIO 330	Evolution	
BIO 301	Principles of Ecology		BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
BIO 330	Evolution		or BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
BIO 355	Cell Biology				
BIO 392	Genetics				
<b>Direct Electives</b>		<b>3</b>			
Select an additional 3 credits of BIO courses at the 200-level or above.					

## Biology Second Academic Concentration

### Biology Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

#### Requirements

- Minimum of 18 credit hours

The second academic concentration in Biology is designed specifically for Elementary Education students.

Code	Title	Credit Hours
<b>Requirements</b>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
<i>Select three of the following Biology courses:</i>		
BIO 392	Genetics	
BIO 330	Evolution	
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
or BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	

## Biology Second Academic Concentration for Special Education: General Curriculum, B.S.

#### Requirements

- Minimum of 18 credit hours

The second academic concentration in Biology is designed specifically for Elementary Education students.

## Biology, M.S.

The Department of Biology Department offers a 30 credit-hour Master of Science (M.S.) program that prepare students for careers in the biological sciences or that draw on the biological sciences.

The M.S. thesis option not only provides career preparation, but also provides a strong foundation for further academic training, such as medical school or a doctoral program. Students select an advisor who helps them select an advisory committee that works closely with each student to tailor a specific curriculum to meet that student's needs and interests and to guide their thesis work. Students typically complete the necessary course work and research thesis for the master's degree in 2-3 years.

The M.S. non-thesis option is based on preparing students for a broad array of careers that draw on expertise in the biological sciences. Non-thesis students will generally select 27 credits of electives from graduate-level biology courses but may include up to 12 credits of graduate courses in other programs. Non-thesis students will complete a 3 credit capstone experience and will select an advisor to work closely with them on tailoring a specific curriculum and capstone experience to meet that student's needs and interests. The non-thesis option can be completed in 1-2 years.

Students in the biology master's programs have research, capstone and/or course work opportunities that reflect the diverse interests of faculty members within the department. Please see the description of research of Biology faculty members and description of graduate courses in Biology.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement explaining how the master's degree at UNC Greensboro will help them achieve their career ambitions.

Qualified applicants will have a strong undergraduate background in biology and science.

## Degree Program Requirements

**Required:** 30 credit hours

## Thesis Option

Code	Title	Credit Hours
<b>Biology Electives (24 credits)</b>		
Select 24 credits from graduate-level biology courses *		24
<b>Thesis (6 credits)</b>		
BIO 699	Thesis	6
<b>Total Credit Hours</b>		<b>30</b>

\* Students with the thesis option can take up to 8 credits at the graduate level in other departments. Requires the prior approval of the graduate student's committee and the final approval of the Graduate Program Director and/or the Department Head.

## Non-Thesis Option

Code	Title	Credit Hours
<b>Biology Electives (27 credits)</b>		
Select 27 credits of electives from graduate-level biology courses *		27
<b>Capstone Experience (3 credits)</b>		
BIO 698	Non-Thesis	3
<b>Total Credit Hours</b>		<b>30</b>

\* Students with the non-thesis option may potentially take up to 12 credits at the graduate level in other departments. Requires the prior approval of the graduate student's committee and the final approval of the Graduate Program Director and/or the Department Head.

## Biology Electives

Thesis students will select 24 credits of electives and non-thesis students will select 27 credits of electives from graduate-level biology courses. Students who elect the thesis option can take up to 8 credits at the graduate level in other departments, and students who elect the non-thesis option may potentially take up to 12 credits at the graduate level in other departments. Both require the prior approval of the graduate student's committee and the final approval of the Graduate Program Director and/or the Department Head.

## Capstone Experience

### Thesis

Students writing a thesis as a capstone experience must have at least 15 credits (including 6 credits of BIO 699 Thesis) in 600-749 level courses.

### Non-Thesis

Students taking the non-thesis option as a capstone experience must have at least 15 credits in 600-749 level courses and cannot enroll in BIO 695 Biological Research, BIO 699 Thesis, BIO 801 Thesis Extension, or BIO 803 Research Extension. Three credit hours of BIO 698 Non-Thesis is required for all M.S. non-thesis students to provide students time to complete the capstone. The student's faculty advisor will be the instructor for BIO 698. The capstone experience will be designed by the student's faculty mentor and the committee, and could include a comprehensive exam, a written report, or a scholarly literature review on a topic in the student's biology-based career.

Prior to the end of the first semester of enrollment, each student is expected to identify a Master of Science Advisory Committee composed

of an advisor and two other faculty members; the Graduate Program Director must approve the composition of the committee.

## Environmental Health Science, Ph.D.

The Ph.D. in Environmental Health Science requires a minimum of 55 credit hours and prepares students for senior-level positions in professions related to environmental health science in its broadest sense. The program trains students to become leaders in biological research relevant to environmental issues that directly and/or indirectly affect human health, and the program trains students to convey information effectively to the public. Students acquire an understanding of the multidisciplinary nature of environmental health issues from ecosystem to molecular levels. Students learn relevant research skills and conduct research under the guidance of one or more faculty members in the department.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a Curriculum Vitae and a personal statement that includes educational background, professional activities, research interests, career goals, reasons for choosing the program, and UNC Greensboro faculty whose research is of interest.

## Degree Program Requirements

**Required:** 55 credit hours

The departmental Graduate Studies Committee determines the number of non-dissertation credits required based on a student's prior course work. No more than 25% of total credits (exclusive of dissertation) may be at the 500 level.

Code	Title	Credit Hours
<b>Required Core Courses (17 credits)</b>		
BIO 600	Introduction to Graduate Studies	1
BIO 707	Seminar in Environmental Health Science	2
BIO 708	Biostatistics 1 <sup>1</sup>	3
BIO 731	Environmental Health Science I: Ecosystems to Individuals	3
BIO 732	Environmental Health Science II: Individuals to Molecules	3
BIO 734	Current Research in Environmental Health Science 2	3
BIO 749	Research Lab Rotations 3	2
<b>Electives (9 credits)</b>		
Select a minimum of 9 credits of elective courses	4	9
<b>Research and Dissertation (29 credits)</b>		
Select a minimum of 29 credits from the following:		29
BIO 790	Directed Study in Environmental Health Science	
BIO 791	Independent Doctoral Research	
BIO 799	Dissertation 5	
<b>Total Credit Hours</b>		<b>55</b>

<sup>1</sup> Students, with the approval of the departmental Graduate Studies Committee, research advisor, and/or Dissertation Committee, may replace

BIO 708 with STA 661 Advanced Statistics in the Behavioral and Biological Sciences I.

<sup>2</sup> 3 credits total of BIO 734 are required.

<sup>3</sup> 2 credits total of BIO 749 are required.

<sup>4</sup> Students, with the approval of the departmental Graduate Studies Committee, research advisor, and/or Dissertation Committee, will select additional courses that pertain to their area of research to fulfill their degree requirements. A minimum of 9 credits of Biology courses at the 500-700 level must be earned and a maximum of 6 credits can be at the 500 level.

<sup>5</sup> A minimum of 12 credits in BIO 799 is required and a maximum of 18 credits is allowed.

## Comprehensive Examination

The comprehensive examination consists of a written research proposal that must be orally defended in a public seminar and before a student's dissertation committee. Successful completion and defense of the proposal allows the student to achieve candidate status, and thus, register for BIO 791 Independent Doctoral Research and BIO 799 Dissertation.

## Dissertation Defense

Students must present a seminar that is open to the public and satisfactorily defend their completed dissertation research to her/his dissertation committee.

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

# Chemistry and Biochemistry

*College of Arts and Sciences*

435 Science Building  
336-334-5714  
<http://chem.uncg.edu>

**Mitchell Croatt, Department Head**  
**Jerry Walsh, Director of Undergraduate Studies**  
**Liam M. Duffy, Graduate Program Director**

## Undergraduate Programs

The Department of Chemistry and Biochemistry offers five undergraduate programs: the Bachelor of Science in Chemistry, the Bachelor of Science in Biochemistry, the Bachelor of Science in Chemistry with a Concentration in Biochemistry, the Bachelor of Science in Chemistry with a Concentration in Research, and the Bachelor of Arts in Chemistry. A licensure program to prepare students to teach high school chemistry is offered. The Master of Science in Chemistry, Master of Science in Chemistry with Biochemistry Concentration, and Ph.D. in Chemistry and Biochemistry are offered at the graduate level (see the *University Catalog*). Students who follow the program leading to the Bachelor of Science in Chemistry degree are certified to the American Chemical Society as having met its rigorous requirements for undergraduate professional training in chemistry.

The Department's biochemistry programs (B.S. in Biochemistry and B.S. in Chemistry with Concentration in Biochemistry) provide students with excellent preparation for graduate work in biochemistry and related life sciences, as well as for employment in chemical and biotechnological industries. These programs are also attractive to students planning careers in the medical, dental, or pharmaceutical professions.

The department emphasizes the opportunity for students to engage in undergraduate research. Many of our majors do so, principally in their junior and senior years, and this provides excellent training for those who intend to continue their studies at the graduate level.

## Graduate Programs

UNC Greensboro has a tradition of excellence in advanced training for careers in the chemical and biochemical sciences. Our faculty is committed to providing one-on-one learning opportunities for all our students in the laboratory, and this dedication to quality graduate education translates into very high success rates for our graduates as they pursue careers in science. Our Department has a strong research emphasis on Medicinal Biochemistry, and our students engage in a diverse array of research projects related to that theme. For example, students work to develop or synthesize new drug candidates, identify and study mechanism of action of natural products, or explore the chemical properties of human drug metabolizing systems. In support of these efforts, our department is home to the Medicinal Chemistry Collaborative (MC<sup>2</sup>) directed by Dr. Nadja Cech and Dr. Nicholas Oberlies. The mission of this center is to broaden the impact of natural products and drug discovery research on the UNC Greensboro campus, and to facilitate university-industry relationships with local pharmaceutical and biotechnology companies.

The Department has a well-established Master's level program that offers an M.S. in Chemistry within which a Concentration in Biochemistry can be chosen. These are very well-rounded terminal degree programs. In addition to course-work in core areas of Chemistry or Biochemistry,

each program emphasizes training in research by requiring a significant research project with a Master's thesis under the supervision of a professor. Students also receive experience in professional presentation through the seminar program and attendance at professional meetings to present research results.

Our Ph.D. program in Chemistry and Biochemistry is unique in the state of North Carolina. Target-based rational drug design, with its emphasis on biochemical and molecular biological receptors, is now central to the development of new and more effective pharmaceuticals. The Ph.D. program offers students an innovative curriculum and research environment that emphasizes fundamental biochemical interactions and mechanisms guiding drug design and development. Students who complete the program will have a strong biochemical perspective on drug design, discovery, and function, and will have specialization in any of several disciplines which connect biochemical interactions with pharmaceutical development: computational chemistry, bioanalytical chemistry, biophysical chemistry, natural product isolation, molecular biology and enzymology, or drug synthesis.

### Professor

Nadja B. Cech, *Professor and Distinguished Professor<sup>G</sup>*  
 Norman H. L. Chiu<sup>G</sup>  
 Mitch P Croatt, *Marie Foscue Rourk Distinguished Professor<sup>G</sup>*  
 Alice E. Haddy<sup>G</sup>  
 Nicholas H Oberlies, *Professor and Patricia A. Sullivan Distinguished Professor<sup>G</sup>*  
 Ethan Will Taylor<sup>G</sup>  
 Jerry L. Walsh<sup>G</sup>  
 Qibin Zhang<sup>G</sup>

### Associate Professor

Kimberly S Petersen<sup>G</sup>  
 Jason J. Reddick<sup>G</sup>

### Assistant Professor

Jonathan Rodi Chekan<sup>G</sup>  
 Liam M. Duffy<sup>G</sup>  
 Shabnam Hematian<sup>G</sup>  
 Maia Popova<sup>G</sup>

### Senior Lecturer

Dennis A. Burnes  
 Daniel P Christen  
 Spencer A Russell

### Lecturer

Teresa Sue Barber  
 Taylor Levi Mabe  
 Pradyumna Kumar Pradhan  
 Travis R Russell

### G Graduate-level faculty

- Biochemistry, B.S. (p. 317)
- Chemistry, B.A. (p. 318)
- Chemistry, B.S. (p. 320)
- Chemistry Undergraduate Minor (p. 322)
- Chemistry, M.S. (p. 322)
- Chemistry and Biochemistry, Ph.D. (p. 323)

# Biochemistry, B.S.

The Biochemistry Major (B.S.) is designed to prepare students for graduate education in the biochemical sciences, for medical, dental, or pharmaceutical professions, or for employment in biotechnology, pharmaceutical, and chemical industries. Students who complete the Bachelor of Science in Biochemistry will meet all or most of the academic requirements for admission to medical, dental, veterinary, or pharmacy schools.

The curriculum involves a solid foundation of Chemistry and Biology courses, along with core and advanced elective courses in Biochemistry. Undergraduate research is encouraged, and students may collaborate with participating faculty from a variety of departments (Chemistry, Biology, Nutrition, Physics, and Kinesiology).

This program follows the biochemistry curriculum recommendations of the American Society of Biochemists and Molecular Biologists.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Only major requirements and related area requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirements and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	38
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 331 & CHE 333	Quantitative Analysis and Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry I	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 402	Chemistry Seminar	
CHE 406 & CHE 407	Introductory Physical Chemistry and Introductory Physical Chemistry Laboratory	
CHE 456	Biochemistry I	
CHE 457	Biochemistry II	

CHE 458	Biochemistry Lab	
CHE 401	Chemistry Seminar Introduction *	
<b>Related Area Requirements</b>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	29
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
MAT 196	Calculus A	
MAT 296	Calculus B	
<i>Select one of the following:</i>		
BIO 392 & BIO 375	Genetics and Cell Biology and Genetics Laboratory	
BIO 355 & BIO 375	Cell Biology and Cell Biology and Genetics Laboratory	
<i>Select one of the following:</i>		
PHY 211 & PHY 212	General Physics I and General Physics II	
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus	
<b>Advanced Biochemistry, Advanced Biological Science, or Independent Study Electives</b> 5-7		
<i>Select 5-7 credits of the following: **</i>		
At least 3 credits must be CHE. <sup>1</sup>		
CHE 431	Instrumental Analysis	
CHE 436	Computational Chemistry	
CHE 442	Inorganic Chemistry II	
CHE 453	Advanced Organic Chemistry I	
CHE 455	Organometallic Chemistry	
CHE 470B	Special Topics in Chemistry: Biochemistry	
CHE 481	Synthetic Techniques **	
CHE 491	Senior Research	
CHE 492	Senior Research	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
BIO 355	Cell Biology <sup>2</sup>	
BIO 392	Genetics <sup>2</sup>	
BIO 424	Plant Physiology and Biotechnology	
BIO 443	Biophysics	
BIO 464 & 464L	Developmental Biology and Developmental Biology Laboratory	
BIO 478	Hormones in Action	
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory	
BIO 481 & 481L	General Microbiology and General Microbiology Laboratory	
BIO 482	Molecular Biological Approaches in Research	
BIO 485	Virology	
BIO 494	Introduction to Biotechnology	
BIO 495	Advanced Genetics	
BIO 499	Undergraduate Research	
PHY 495	Research Experience in Physics	

\* The course is taken as an audit.

\*\* Requirement is only 5 credits if CHE 481 is chosen.

<sup>1</sup> Minimum of 2 credits in CHE is required only if CHE 481 is chosen.

<sup>2</sup> If not used for a Related Area Requirement above.

## Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. Additional advanced courses in Chemistry and Biology are recommended.

## Disciplinary Honors in Chemistry and Biochemistry

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Chemistry and Biochemistry; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Liam Duffy at [liam\\_duffy@uncg.edu](mailto:liam_duffy@uncg.edu) for further information and guidance about Honors in Chemistry and Biochemistry. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Chemistry, B.A.

The Chemistry Major (B.A.) provides sound education in chemistry but is less specialized and more flexible than the B.S. program. It offers solid preparation for those planning to enter medicine or dentistry, secondary school teaching, technical writing, sales, or various other vocations within the chemical industry. In fact, by electing some additional courses in chemistry beyond the minimum required, the student may prepare for graduate work under this program as well as under the B.S. While this program allows a more flexible arrangement of schedules, the student should work closely with a chemistry advisor to be certain that the proper sequence of chemistry and related area courses are taken with regard to the prerequisites.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require credits beyond the minimum listed.
- Only major requirement and related area requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirement and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
<b>Core Courses</b>		<b>35-36</b>
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 331 & CHE 333	Quantitative Analysis and Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry I	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 402	Chemistry Seminar	
CHE 406 or CHE 461	Introductory Physical Chemistry Physical Chemistry I	
CHE 401	Chemistry Seminar Introduction *	
<i>Select two courses from the following:</i>		
CHE 420	Chemical Principles of Biochemistry	
CHE 456	Biochemistry I	
CHE 442	Inorganic Chemistry II	
CHE 481	Synthetic Techniques	
CHE 431	Instrumental Analysis	
CHE 436	Computational Chemistry	
CHE 453	Advanced Organic Chemistry I	
<b>Related Area Requirements</b>		<b>16</b>
MAT 196	Calculus A	
MAT 296	Calculus B	
<i>Select one of the following:</i>		
PHY 211 & PHY 212	General Physics I and General Physics II	
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus	

\* This course is taken as an audit.

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Chemistry Major with Comprehensive Science High School Teaching Licensure

## Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. Additional advanced courses in mathematics are advised. Additional chemistry courses above the 100 level may be taken.

### Chemistry Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (CHEM) program provides a strong background in chemistry as well as licensure for high school chemistry teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Code	Title	Credit Hours
<b>Additional Requirements for Licensure *</b>		<b>14</b>
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
GES 103	Introduction to Earth Science	
<i>Select one or more of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	

\* Additional requirements for teacher licensure, beyond the Chemistry Major requirements, include completion of the Secondary Licensure Requirements as listed under Teacher Licensure Requirements. In addition, students must take 14 credits in biology and earth science including the items listed.

### Teacher Licensure Requirements

Contact the School of Education Office of Student Services at 336-334-3410 for more information.

The courses below must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See below and the online Secondary Education Handbook for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>28</b>
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning *	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	

LIS 120 Introduction to Instructional Technology for Educational Settings

\* This course requires 25 hours of internship in the schools.

\*\* This course requires 50 hours of internship in the schools.

### Sequence

The courses should be taken in the sequence below.

Junior	Credit Hours
Fall	
ERM 401	Assessment I: Accountability in Our Nation's Schools
TED 401	Child and Adolescent Development and Learning
TED 445	Human Diversity, Teaching, and Learning
	<b>Credit Hours</b>
	5
Spring	
ERM 402	Assessment II: Standardized Tests
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings
TED 403	Teaching Multilingual Learners with Diverse Abilities
LIS 120	Introduction to Instructional Technology for Educational Settings
	<b>Credit Hours</b>
	4
Senior	
Fall	
ERM 403	Assessment III: Classroom Assessment
TED 435	Literacy in the Content Area
TED 459	Teaching Practices and Curriculum in Science
	<b>Credit Hours</b>
	7
Spring	
TED 465	Student Teaching: Secondary School
TED 466	Student Teaching Seminar
	<b>Credit Hours</b>
	12
	<b>Total Credit Hours</b>
	28

### Disciplinary Honors in Chemistry and Biochemistry

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Chemistry and Biochemistry; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Liam Duffy at liam\_duffy@uncg.edu for further information and guidance about Honors in Chemistry and Biochemistry. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Chemistry, B.S.

The Chemistry Major (B.S.) provides very thorough undergraduate training in chemistry and an excellent background for students planning to undertake graduate work or to enter the chemical industry. It differs from the B.A. in requiring additional advanced courses in chemistry and/or related sciences. Students who complete this program will be certified to the American Chemical Society upon graduation as having fulfilled the Society's rigorous requirements for undergraduate professional training. The sequence in which the required courses are taken is important, and the student should work closely with a chemistry advisor in planning a schedule.

The concentration in Chemistry Research offers students the option to specialize in research and be exposed to three or more years of research. The concentration is designed to prepare students for graduate study in chemistry, biochemistry, medicine, and related professions or for employment in chemistry, biochemistry, or related industries. The exposure to research will build strong research, communication, and leadership skills. Such skills are in great demand.

The concentration in Biochemistry offers students the option to specialize in biochemistry within the curriculum leading to the B.S. in Chemistry. This concentration is designed to prepare students for graduate study in biochemistry, medicine and related professions, or for employment in biochemistry or biotechnology related industries. The sequence in which the required courses are taken is important, and the student should work closely with a chemistry advisor in planning a schedule.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level; note that licensure programs may require credits beyond the minimum listed.
- Only major requirement and related area requirement courses at or below the 300-level in which grades of C- or better are earned will be counted toward the major. Students must earn a C- or better in prerequisite major requirement and related area requirement courses before advancing to subsequent courses. Students must have an overall GPA of at least 2.0 in CHE courses at UNC Greensboro.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Chemistry
- Chemistry Research
- Biochemistry

## Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. Additional advanced mathematics courses are advised. Additional chemistry courses above the 100 level may be taken.

### Chemistry Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>47-50</b>
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 331 & CHE 333	Quantitative Analysis and Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry I	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 353	Organic Laboratory Techniques	
CHE 355	Intermediate Organic Chemistry Lab	
CHE 402	Chemistry Seminar	
CHE 401	Chemistry Seminar Introduction *	
CHE 420 or CHE 456 & CHE 457	Chemical Principles of Biochemistry Biochemistry I and Biochemistry II	
CHE 431	Instrumental Analysis	
CHE 433	Instrumental Analysis Lab	
CHE 442	Inorganic Chemistry II	
CHE 461	Physical Chemistry I	
CHE 462	Physical Chemistry II	
CHE 463	Physical Chemistry I Laboratory	
CHE 464	Physical Chemistry II Laboratory	
CHE 481	Synthetic Techniques	
<b>Related Area Requirements</b>		<b>21-24</b>
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
MAT 196	Calculus A	
MAT 296	Calculus B	
<i>Select one of the following:</i>		
MAT 310	Elementary Linear Algebra	
MAT 396	Calculus C	
MAT 390	Ordinary Differential Equations	
<i>Select at least one of the following which was not chosen above:</i>		
CHE 490	Internship in Chemistry and Biochemistry	
CHE 493	Honors Work	
CHE 436	Computational Chemistry	
CHE 453	Advanced Organic Chemistry I	
CHE 455	Organometallic Chemistry	
BIO 355	Cell Biology	
BIO 392	Genetics	
BIO 406	Adv Topics in Genetics	
BIO 479 & 479L	Neurobiology and Neurobiology Laboratory	

CSC 230	Elementary Data Structures and Algorithms	CHE 456	Biochemistry I
CSC 330	Advanced Data Structures	& CHE 457	and Biochemistry II
CSC 339	Concepts of Programming Languages	CHE 442	Inorganic Chemistry II
CSC 427	Numerical Analysis and Computing	CHE 481	Synthetic Techniques
MAT 310	Elementary Linear Algebra	CHE 431	Instrumental Analysis
MAT 311	Introduction to Abstract Algebra	CHE 453	Advanced Organic Chemistry I
MAT 390	Ordinary Differential Equations	CHE 455	Organometallic Chemistry
MAT 394	Calculus IV	<b>Related Area Requirements</b>	
MAT 395	Introduction to Mathematical Analysis	MAT 196	Calculus A
PHY 321	Introduction to Modern Physics	MAT 296	Calculus B
PHY 323	Mechanics	<i>Select one sequence of the following:</i>	
PHY 325	Electricity and Magnetism I	PHY 211	General Physics I
PHY 327	Thermal Physics	& PHY 212	and General Physics II
PHY 412	Electronics for Scientists	or PHY 291	General Physics I with Calculus
PHY 421	Quantum Mechanics	& PHY 292	and General Physics II with Calculus
CHE 491	Senior Research **	 * <i>Each of the courses are taken for 3 credits</i>	
CHE 492	Senior Research **	 ** <i>Course is taken for 2 credits</i>	
<sup>1</sup> <i>This course is taken as an audit.</i>		 <sup>1</sup> <i>This course is taken as an audit.</i>	

- \* This course is taken as an audit.
- \*\* The courses count only when combined for a minimum of 2 credits and will count as one course toward fulfilling the requirement.
- <sup>1</sup> The course counts only when taken for multiple instances for a combined minimum of 2 credits and will count as one course toward fulfilling the requirement.

## Chemistry Research Concentration Requirements

Code	Title	Credit Hours	53-54
<b>Required</b>			
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory
CHE 114	General Chemistry II	CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory
CHE 191	Introduction to Research	CHE 331 & CHE 333	Quantitative Analysis and Quantitative Analysis Laboratory
CHE 331 & CHE 333	Quantitative Analysis and Quantitative Analysis Laboratory	CHE 342	Inorganic Chemistry I
CHE 342	Inorganic Chemistry I	CHE 351 & CHE 353	Organic Chemistry I and Organic Laboratory Techniques
CHE 351 & CHE 353	Organic Chemistry I and Organic Laboratory Techniques	CHE 352 & CHE 355	Organic Chemistry II and Intermediate Organic Chemistry Lab
CHE 352 & CHE 355	Organic Chemistry II and Intermediate Organic Chemistry Lab	CHE 401	Chemistry Seminar Introduction *
CHE 402	Chemistry Seminar	CHE 402	Chemistry Seminar
CHE 406 or CHE 461	Introductory Physical Chemistry or Physical Chemistry I	CHE 461 & CHE 463	Physical Chemistry I and Physical Chemistry I Laboratory
CHE 499	Senior Thesis	CHE 462	Physical Chemistry II
CHE 291	Sophomore Research *	CHE 431 & CHE 433	Instrumental Analysis and Instrumental Analysis Lab
CHE 292	Sophomore Research *	CHE 456	Biochemistry I
CHE 391	Junior Research *	CHE 457	Biochemistry II
CHE 392	Junior Research *	CHE 458	Biochemistry Lab
CHE 491	Senior Research *	<b>Related Area Requirements</b>	
CHE 492	Senior Research **	BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
CHE 401	Chemistry Seminar Introduction <sup>1</sup>	BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
<i>Select two courses of the following:</i>		MAT 196	Calculus A
CHE 420	Chemical Principles of Biochemistry	MAT 296	Calculus B
<i>Select one of the following:</i>		PHY 291	General Physics I with Calculus
		PHY 292	General Physics II with Calculus

## Biochemistry Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	45
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 331 & CHE 333	Quantitative Analysis and Quantitative Analysis Laboratory	
CHE 342	Inorganic Chemistry I	
CHE 351 & CHE 353	Organic Chemistry I and Organic Laboratory Techniques	
CHE 352 & CHE 355	Organic Chemistry II and Intermediate Organic Chemistry Lab	
CHE 401	Chemistry Seminar Introduction *	
CHE 402	Chemistry Seminar	
CHE 461 & CHE 463	Physical Chemistry I and Physical Chemistry I Laboratory	
CHE 462	Physical Chemistry II	
CHE 431 & CHE 433	Instrumental Analysis and Instrumental Analysis Lab	
CHE 456	Biochemistry I	
CHE 457	Biochemistry II	
CHE 458	Biochemistry Lab	
<b>Related Area Requirements</b>		27
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
MAT 196	Calculus A	
MAT 296	Calculus B	
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
<i>Select one of the following:</i>		

BIO 355	Cell Biology		Select	7
or BIO 392	Genetics		An additional 7 credit hours of CHE courses chosen at any level *	
<b>Advanced Biochemistry Electives</b>		2-3		
<i>Select 2-3 credits from the following: **</i>				
CHE 436	Computational Chemistry			
CHE 442	Inorganic Chemistry II			
CHE 453	Advanced Organic Chemistry I			
CHE 455	Organometallic Chemistry			
CHE 470B	Special Topics in Chemistry: Biochemistry			
CHE 481	Synthetic Techniques **			
CHE 491	Senior Research			
CHE 492	Senior Research			

\* This course is taken as an audit.

\*\* Requirement is 2 credits **only** when CHE 481 is selected.

## Disciplinary Honors in Chemistry and Biochemistry

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours	
<b>Required</b>			
HSS 490	Senior Honors Project	3	
<b>6 credits of Honors course work in the major</b>		6	In addition to the application materials required by the Graduate School, applicants must submit a one-page personal statement by the appropriate deadline to be considered for Fall, Spring, or Summer admission.
<b>3 credits of Honors course work in the major or another area</b>		3	

### Recognition

Receive a Certificate of Disciplinary Honors in Chemistry and Biochemistry; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Liam Duffy at [liam\\_duffy@uncg.edu](mailto:liam_duffy@uncg.edu) for further information and guidance about Honors in Chemistry and Biochemistry. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Chemistry Undergraduate Minor

### Program Requirements

- Minimum of 19 credit hours in CHE courses.
- Students must achieve a GPA of 2.0 in Chemistry courses that count toward the minor.

Code	Title	Credit Hours	
<b>Required</b>			
CHE 114	General Chemistry II *	4	
CHE 115	General Chemistry II Laboratory *	8	
<b>Select</b>			

A minimum of 8 credit hours of CHE courses chosen at or above the 300-level

**Select**

An additional 7 credit hours of CHE courses chosen at any level \*

\* No more than 8 credits may come from the following introductory-level courses: CHE 101, CHE 103, CHE 104, CHE 110, CHE 111, CHE 112, CHE 114, CHE 115

## Chemistry, M.S.

The M.S. in Chemistry gives students the opportunity to develop and demonstrate their potential for work in biochemistry and attracts individuals who have been out of an academic environment for some time or who wish to bolster their undergraduate science experience. The successful candidate will be prepared for positions of responsibility in industry or government or for further study toward a doctoral degree.

The required 30 credit hours includes courses in the four major areas of chemistry (analytical, inorganic, organic, and physical), courses in other areas, and a research thesis based on original research carried out under the direction of a faculty advisor. In addition, the student gains experience in professional speaking by preparing and presenting two public seminars.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a one-page personal statement by the appropriate deadline to be considered for Fall, Spring, or Summer admission.

The reporting of GRE scores, general and subject test, is optional. GRE scores will only be taken into consideration for admission if scores are reported by the applicant.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (12 credits)</b>		
CHE 553	Advanced Organic Chemistry I	3
CHE 632	Advanced Analytical Chemistry	3
CHE 641	Advanced Inorganic Chemistry	3
CHE 661	Advanced Physical Chemistry I	3
<b>Research Techniques (6-13 credits)</b>		
CHE 691	Introduction to Graduate Research	1
CHE 680	Research Problems in Chemistry and Biochemistry	1-6
CHE 699	Thesis	1-6
<b>Seminars (2 credits)</b>		
CHE 601	Graduate Seminar I	1
CHE 602	Graduate Seminar II	1
<b>Electives (6 credits minimum)</b>		
Select at least 6 credits of elective courses		6
<b>Total Credit Hours</b>		<b>30</b>

### Research Techniques

Students take CHE 691 before beginning research. Students must carry out a research project under the supervision of a faculty member and

write a thesis on the research (CHE 699). Students may take additional research hours of CHE 680 and up to 6 credits of CHE 699 for a total of 12 credits.

## Seminars

Students must present two seminars, the first on a literature topic (CHE 601) and the second on their thesis research (CHE 602), normally given during the last semester of study.

## Electives

Up to 9 credits may be earned in chemistry or biochemistry or in approved (by Department Graduate Studies Committee and student's research advisor) graduate courses in biology, mathematics or physics.

## Comprehensive Examination

The comprehensive examination consists of a research proposal on the student's thesis research, including a literature review. The proposal must be approved by the student's thesis committee before the student may enroll in CHE 699.

## Thesis Defense

Students must defend the completed thesis before the thesis committee.

## Biochemistry Concentration

**Required:** 30 credit hours

The concentration in Biochemistry gives M.S. Chemistry students the opportunity to demonstrate and develop specialization for work in biochemistry. The successful candidate will be prepared for positions of responsibility in industry or government or for further study toward a doctoral or other professional degree.

The required 30 credit hours for this concentration include a specialized core of introductory and advanced biochemistry courses, courses in chemistry and other areas, and a research thesis based on original research carried out under the direction of a faculty advisor. In addition, the student gains experience in professional speaking by preparing and presenting two public seminars.

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
CHE 556	Biochemistry I	3
CHE 557	Biochemistry II	3
CHE 656	Enzyme Mechanisms	3
CHE 663	Spectroscopy and Structure of Proteins and Nucleic Acids	3
<b>Chemistry Core Elective (3 credits)</b>		
Select one course (3 credits) from the following:		3
CHE 553	Advanced Organic Chemistry I	
CHE 632	Advanced Analytical Chemistry	
CHE 641	Advanced Inorganic Chemistry	
CHE 661	Advanced Physical Chemistry I	
<b>Electives (3 credits minimum)</b>		
Select 3 credits of elective courses *		3
<b>Research Techniques (6-13 credits)</b>		
CHE 691	Introduction to Graduate Research	1
CHE 680	Research Problems in Chemistry and Biochemistry	1-6
CHE 699	Thesis **	1-6

## Seminars (2 credits)

CHE 601	Graduate Seminar I	1
CHE 602	Graduate Seminar II	1
<b>Total Credit Hours</b>		<b>30</b>

\* In biochemistry or from courses approved by the Department Graduate Studies Committee in areas related to biochemistry (cell biology, genetics, microbiology, metabolism, biophysics, or other areas).

\*\* Indicates Capstone Experience.

## Electives

Additional courses needed to bring the total credits up to at least 30 should be chosen from graduate-level chemistry and biochemistry courses offered by the department or from approved biochemistry-related courses.

## Research Techniques

Students take CHE 691 before beginning research. Students must carry out a research project under the supervision of a faculty member and write a thesis on the research (CHE 699). Students may take additional research hours of CHE 680 and up to 6 credits of CHE 699 for a total of 12 credits.

## Seminars

Students must present two seminars, the first on a literature topic (CHE 601) and the second on their thesis research (CHE 602), normally given during the last semester of study.

## Comprehensive Examination

The comprehensive examination consists of a research proposal on the student's thesis research, including a literature review. The proposal must be approved by the student's thesis committee before the student may enroll in CHE 699.

## Thesis Defense

Students must defend the completed thesis before the thesis committee.

# Chemistry and Biochemistry, Ph.D.

The Ph.D. in Chemistry and Biochemistry requires 56 credit hours in advanced chemical and biochemical course work and a dissertation culminating from extensive laboratory research experience carried out under the direction of a faculty advisor. The student gains experience in professional speaking by giving public oral scientific presentations through the departmental seminar program. The successful candidate will be well prepared for industrial or academic research careers in chemistry or biochemistry.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a one-page personal statement by the appropriate deadline to be considered for Fall or Spring admission.

A minimum of a B.S. in Chemistry, Biochemistry, or related field is required.

## Degree Program Requirements

**Required:** 56 credit hours minimum

Code	Title	Credit Hours
<b>Research Techniques (25 credits minimum)<sup>1</sup></b>		
CHE 720	Introduction to Graduate Research	1
Select a minimum of 24 credits from the following:		24
CHE 780	Research Problems in Chemistry and Biochemistry	
CHE 799	Dissertation Research in Chemistry and Biochemistry <sup>2</sup>	
<b>Seminars (2 credits)</b>		
CHE 751	Literature Seminar	1
CHE 752	Dissertation Seminar	1
<b>Electives (18 credits minimum)<sup>1</sup></b>		
Select a minimum of 18 credits of electives <sup>3</sup>		18
<b>Total Credit Hours</b>		<b>56</b>

<sup>1</sup> Students must select additional credits from Research Techniques and/or Electives sufficient to complete the 56 total credit hours required for the program.

<sup>2</sup> A minimum of 12 credits in CHE 799 is required.

<sup>3</sup> In approved (by the Department Graduate Studies Committee and student's research advisor) elective graduate courses in chemistry, biology, mathematics or physics. Students who plan to pursue employment in industry are encouraged to enroll in CHE 790 Chemistry and Biochemistry Internship .

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

# Classical Studies

*College of Arts and Sciences*

1104 Moore Humanities and Research Administration  
336-334-5214  
[www.uncg.edu/cla/](http://www.uncg.edu/cla/) (<http://www.uncg.edu/cla/>)

**Maura K. Heyn**, *Department Head and Director of Undergraduate Studies*

## Mission Statement

Our program offers students the opportunity to engage with the diverse peoples and cultures of the ancient Mediterranean world. This engagement encourages students to reflect upon the past in order to bridge time and distance in pursuit of answers to fundamental questions about what it means to be human. Students grapple with the origins of urban life; ancient Mediterranean systems of belief and myth; ancient cosmology; the meaning of the major monuments, literature, and artifacts from the Mediterranean region; Roman law; the lives of women in Antiquity; ancient Greek and Latin languages, and much more. This breadth of courses fosters intellectual curiosity and allows students to consider multiple viewpoints, understand different methodologies, and engage in creative inquiry across disciplines.

The study of the ancient Mediterranean world at UNC Greensboro has been a foundational discipline since the college first opened its doors in 1891, when all students studied Greek and Roman history, and three years of Latin were required for graduation. While Classical Studies has been part of UNC Greensboro's curriculum for over 125 years, the discipline, like the university, has grown and expanded and changed. Students in Classical Studies now engage with a vast and interconnected cultural diversity that spanned the entire ancient Mediterranean world, a diversity which in many ways reflects the diversity of the student body at UNC Greensboro.

## About

The Department of Classical Studies provides a comprehensive approach to the study of the ancient Greek and Roman world. The Department believes that students should have a solid foundation in the language, history, and culture of Greek and Roman civilization. To this end, the program is designed to ensure that all students gain proficiency in the Greek or Latin language, as well as a broad understanding of Classical literature in its cultural and historical context, the influence of Graeco-Roman civilization on the conceptions and values of Western civilization, and the methods of critical inquiry which are central to the discipline of Classical Studies.

The Department offers a wide variety of courses in English on mythology, archaeology, literature and culture, as well as courses in ancient Greek and Latin at all levels. Courses with a CCI prefix require no knowledge of either language; GRK courses require reading of texts in Greek and LAT courses require reading of texts in Latin.

Students also have an opportunity in the summer to visit Athens, Rome, and other parts of the Classical world, to participate in archaeological excavation, and to earn semester hours of credit through the following or through Study Abroad Programs.

### Professor

Maura Keane Heyn<sup>G</sup>  
Joanne M. Murphy<sup>G</sup>

### Associate Professor

David B Wharton<sup>G</sup>  
Jonathan P. Zarecki<sup>G</sup>

### Assistant Professor

Robyn Le Blanc  
Michiel Christiaan Van Veldhuizen

### Lecturer

Aisha Dad-Van Veldhuizen  
Georgios Doudalis  
Derek Smith Keyser

### G Graduate-level faculty

- Classical Studies, B.A. (p. 325)
- Classical Studies Undergraduate Minor (p. 327)
- Classical Studies Second Academic Concentration (p. 327)

## Classical Studies, B.A.

The Department offers a B.A. in Classical Studies, with three distinct concentrations in Classical Language and Literature, Classical Civilization, and Classical Archaeology. All three concentrations offer a broad liberal arts experience that provides an excellent foundation for a variety of careers including law, business, government, journalism, and teaching.

The Classical Language and Literature concentration is designed to ensure a solid preparation in the chosen language and to acquaint students with those works that form the origin of European literature, history, and philosophy. This concentration prepares students for graduate work in the Classical languages and literature and for secondary school language teaching.

The Classical Civilization and Classical Archaeology concentrations provide a solid and wide-ranging background for understanding the origin and development of our Western ideas, values, languages, institutions, attitudes, and art. The Classical Civilization concentration is an excellent major for Prelaw students, who should choose courses on Roman Civilization (CCI 101), Roman Law and Society (CCI 350), and Latin to fulfill major requirements. It is also an excellent second major for those interested in any area of primary or secondary school teaching. The Classical Archaeology concentration is intended especially for students wishing to pursue graduate work in Classical Archaeology. Students interested in other areas of archaeology should also consider the Liberal and Interdisciplinary Studies Major: Archaeology Concentration.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum 33 credits distributed as follows in one of the three possible concentrations. Students must have at least a 2.0 GPA for courses in the major, and a minimum of 9 credits at the 300 level or above.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Classical Language and Literature
- Classical Civilization
- Classical Archaeology

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Classical Language and Literature Concentration Requirements

Code	Title	Credit Hours
Required		9
CCI 100	The Greeks	
CCI 101	The Romans	
CCI 211 or CCI 212	Introduction to Greek Archaeology Introduction to Roman Archaeology	
Select 12 credits in one language at the 200-level or above from the following:		12
Greek *		
Latin **		
Select 6 credits in Literature and Culture from the following:		6
CCI 204	The Classical Art of Influence and Misdirection	
CCI 205	Greek Mythology	
CCI 207	Ancient Sports and Society	
CCI 215	The Archaeology of Pompeii: A City Frozen in Time	
CCI 216	The Seven Wonders of the Ancient World	
CCI 223	Classical Tragedy	
CCI 224	Classical Comedy	
CCI 225	Speaking of Murder: Greek Tragedy in Performance	
CCI 240	Blood, Sweat, and Tears: Warfare in Antiquity	
CCI 323	The World of Alexander the Great	
CCI 327	Constantine, Crisis, and the Remaking of Rome	
CCI 328	Spin, Opinion, Lies and the Caesars	
CCI 329	Gates of Horn and Ivory: Dreaming in the Ancient World	
CCI 330	The Distaff Side: Women in Antiquity	
CCI 331	Cuts, Curses, and Cesareans: An Introduction to Ancient Medicine	
CCI 332	Comparative Studies in World Epics	
CCI 333	Comparative Studies in World Drama	
CCI 336	Language Change	
CCI 340	Ancient Cosmology	

CCI 350	Love, Life, and the Law in Ancient Rome	
CCI 401	Archaeological Practicum <sup>1</sup>	
CCI 402	History of Latin Literature	
CCI 407	Roman Myth and Legend	
CCI 450	Internship in Classical Studies <sup>1</sup>	
CCI 455	UNCG in Rome <sup>1</sup>	
Select 3 credits in any CCI, GRK, or LAT course at the 300 level or above <sup>2</sup>		3
Select 3 credits in any 400-level CCI course from the following:		3
CCI 402	History of Latin Literature	
CCI 405	Advanced Studies in Mythology	
CCI 412	The Archaeology of Roman Daily Life	
CCI 467	Color in the Ancient World	
CCI 475	Ritual, Death, and Religion	
CCI 490	Seminar in Classical Studies	

\* Must include at least one course at or above the 300 level.

\*\* Must include at least two courses at or above the 300 level.

<sup>1</sup> No more than 6 credits in CCI 401 and/or CCI 450 and/or CCI 455 may be counted toward the major in Classical Studies.

<sup>2</sup> In addition to any 300-level courses taken in the other categories.

### Classical Civilization Concentration Requirements

Code	Title	Credit Hours
Core Courses		12
CCI 100	The Greeks	
CCI 101	The Romans	
CCI 211	Introduction to Greek Archaeology	
CCI 212	Introduction to Roman Archaeology	
Select 6 hours from any CCI, GRK, or LAT course at the 200 level *		6
Select 12 hours from any CCI, GRK, or LAT course at the 300 level or above **		12
Select 3 credits in any 400 level course from the following:		3
CCI 402	History of Latin Literature	
CCI 405	Advanced Studies in Mythology	
CCI 412	The Archaeology of Roman Daily Life	
CCI 467	Color in the Ancient World	
CCI 475	Ritual, Death, and Religion	
CCI 490	Seminar in Classical Studies	

\* In addition to the Core Courses.

\*\* No more than 6 credits in CCI 401 and/or CCI 450 and/or CCI 455 may be counted.

### Classical Archaeology Concentration Requirements

Code	Title	Credit Hours
Core Courses		9
CCI 100 or CCI 101	The Greeks The Romans	
CCI 211	Introduction to Greek Archaeology	
CCI 212	Introduction to Roman Archaeology	
Select 3 credits in either Greek or Latin at or above the 204 level		3

Select 9 credits in Material Culture from the following:	9	Code	Title	Credit Hours
CCI 215 The Archaeology of Pompeii: A City Frozen in Time				
CCI 216 The Seven Wonders of the Ancient World				
CCI 312 The Art and Archaeology of Egypt				
CCI 313 Archaeology of the Aegean				
CCI 314 Ancient Cities				
Select 3 credits in Literature and Culture from the following:	3			
CCI 204 The Classical Art of Influence and Misdirection				
CCI 205 Greek Mythology				
CCI 207 Ancient Sports and Society				
CCI 223 Classical Tragedy				
CCI 224 Classical Comedy				
CCI 225 Speaking of Murder: Greek Tragedy in Performance				
CCI 240 Blood, Sweat, and Tears: Warfare in Antiquity				
CCI 323 The World of Alexander the Great				
CCI 327 Constantine, Crisis, and the Remaking of Rome				
CCI 328 Spin, Opinion, Lies and the Caesars				
CCI 329 Gates of Horn and Ivory: Dreaming in the Ancient World				
CCI 330 The Distaff Side: Women in Antiquity				
CCI 331 Cuts, Curses, and Cesareans: An Introduction to Ancient Medicine				
CCI 332 Comparative Studies in World Epics				
CCI 333 Comparative Studies in World Drama				
CCI 336 Language Change				
CCI 340 Ancient Cosmology				
CCI 350 Love, Life, and the Law in Ancient Rome				
CCI 401 Archaeological Practicum *				
CCI 450 Internship in Classical Studies *				
CCI 455 UNCG in Rome *				
Select 6 credits in any CCI, GRK, or LAT course at the 300 level or above **	6			
Select 3 credits in any 400-level CCI course from the following:	3			
CCI 402 History of Latin Literature				
CCI 405 Advanced Studies in Mythology				
CCI 412 The Archaeology of Roman Daily Life				
CCI 467 Color in the Ancient World				
CCI 475 Ritual, Death, and Religion				
CCI 490 Seminar in Classical Studies				

\* No more than 6 credits in CCI 401 and/or CCI 450 and/or CCI 455 may be counted toward the major in Classical Studies.

\*\* In addition to any 300-level courses taken in other categories.

## Disciplinary Honors in Classical Studies

### Requirements

- A minimum of 15 credit hours as defined below.
- A UNC Greensboro GPA of 3.30 or higher at graduation
- A grade of at least 3.0 (B) in all work used to satisfy the Honors requirements in Classical Studies

\* Must be above the 100 level with at least 6 credits at the 300 level or above.

### Recognition

The designation "Completed Disciplinary Honors in Classical Studies" and the title of the Senior Honors Project will be printed on the student's official transcript.

### Honors Advisor

Contact Jonathan Zarecki at [jzpzurek@uncg.edu](mailto:jzpzurek@uncg.edu) for further information and guidance about Honors in Classical Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Classical Studies Undergraduate Minor

The Classical Studies Minor complements majors in a variety of fields including anthropology, art, English, foreign languages, history, philosophy, and religious studies. Requirements are flexible enough to permit students to develop and extend their major plan of study.

- Minimum of 15 credit hours in Classical Studies courses. \*
- A minimum of 9 credits toward the minor must be taken in residence at UNC Greensboro.

\* Classical Studies courses include CCI, GRK, and LAT.

## Classical Studies Second Academic Concentration

### Classical Studies Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

This concentration is designed for students in the Elementary Education and Special Education programs. Much of the subject matter in the concentration (mythology, language and reading study, word origins, history, and culture) is easily adaptable for use with elementary grades students, and the flexibility of the concentration is designed to accommodate the schedules of Elementary Education and Special Education majors.

### Requirements

- Minimum of 18 credit hours.

### Latin Focus

Code	Title	Credit Hours
Required		9-12
CCI 202		
CCI 205	Greek Mythology	
<i>Select one of the following courses/sequences:</i>		

Code	Title	Credit Hours
<b>Latin Focus</b>		
<b>Required</b>		<b>9-12</b>
<i>Select 6-9 credits from the following:</i>		
CCI 202		
CCI 205	Greek Mythology	
<i>Select one of the following courses/sequences:</i>		
LAT 101	Elementary Latin I	
& LAT 102	and Elementary Latin II	
LAT 140	Elementary Latin Review *	
<b>Civilization Courses</b>		
<i>Select 6-9 credits from the following:</i>		
CCI 212	Introduction to Roman Archaeology	
CCI 227		
CCI 228		
CCI 305		
CCI 306		
CCI 314	Ancient Cities	
CCI 340	Ancient Cosmology	
CCI 350	Love, Life, and the Law in Ancient Rome	
CCI 407	Roman Myth and Legend	
<b>Greek Focus</b>		
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
<b>Required</b>		
GRK 201		
GRK 202		
CCI 201		
CCI 205	Greek Mythology	
<b>Civilization Courses</b>		
<i>Select 6 credits from the following:</i>		
CCI 211	Introduction to Greek Archaeology	
CCI 227		
CCI 228		
CCI 305		
CCI 306		
CCI 314	Ancient Cities	
CCI 323	The World of Alexander the Great	
CCI 340	Ancient Cosmology	
CCI 407	Roman Myth and Legend	

## Classical Studies Second Academic Concentration for Special Education: General Curriculum, B.S.

This concentration is designed for students in the Elementary Education and Special Education programs. Much of the subject matter in the concentration (mythology, language and reading study, word origins, history, and culture) is easily adaptable for use with elementary grades students, and the flexibility of the concentration is designed to accommodate the schedules of Elementary Education and Special Education majors.

### Requirements

- Minimum of 18 credit hours

# Communication Studies

*College of Arts and Sciences*

102 Ferguson Building  
336-334-5297  
[cst.uncg.edu](https://cst.uncg.edu/) (<https://cst.uncg.edu/>)

**Roy Schwartzman**, *Department Head*

**Jenni Simon**, *Director of Undergraduate Studies*  
**Marianne LeGreco**, *Graduate Program Director*

## About

There is nothing on this earth more fascinating than the study of human communication. Meaning making is a complex, continuous, collaborative, dynamic process. Sometimes, we are transported into a world we could hardly imagine as we engage in deep listening and active dialogue with friends, loved ones, and colleagues. Sometimes a great speech will take us to soaring heights of understanding and even epiphany. Sometimes we are like ships passing in the night, hardly even understanding one another. And sometimes, we crash into each other like rams on a hillside, embroiled in conflict, with no apparent exit!

Friends, families, work groups, organizations, communities—we study them all, and all offer endless opportunities for study, sense making, and intervention. All of this action, and more, will confront you as you engage in your studies. And, at the end of it all, you will not only have a lifelong quest ahead of you (as you come to understand and engage in various forms and practices of communication), you will also find yourself equipped to succeed in a wide variety of fields and careers.

## Mission Statement

We teach and research communication to connect people, create change, and work toward a just world.

## Commitments

- We engage communication knowledge to understand, advance, and challenge human interaction processes locally and globally.
- We promote the centrality of communication to personal, professional, and public lives.
- We seek to invigorate our collective moral imagination to build a world of hope, justice, and peace.
- We engage pressing social and relational issues through written and spoken communication, active research and teaching, and involvement in the world around us.
- We foster learning and application of communication knowledge and skill to transform relationships and communities.
- We affirm, practice, and teach service and community engagement.
- We teach the art of living well together.

## Values

We actively value and promote:

- Honesty
- Trust
- Respect
- Fairness
- Responsibility
- Care

- Ethics
- Justice
- Courage
- Equality
- Creativity
- Compassion
- Engagement
- Critical Thinking
- Holistic Thinking
- Incremental Thinking
- Learner-centered practice
- Independence
- Interdependence
- Difference
- Relationships
- Connection
- Self-discipline
- Focus
- Service

## Philosophy of Scholarship

We believe that communication is formative and foundational to human identities, relationships, and communities—and that ethical and strategically effective communication can be the means of critiquing, constructing, and transforming identities, relationships, and communities.

We engage in communication scholarship in the form of research, teaching, and service that:

- Integrates dialogue and other approaches to communication as the foundation for scholarly inquiry and application to the world
- Cultivates diversity and respect for differences
- Promotes change that leads to more democratic, just, and peaceful relationships and communities
- Engages creative partnerships of faculty, students, and other stakeholders in addressing contemporary challenges and opportunities for improving communication

The Department offers the B.A. in Communication Studies as well as an undergraduate minor. The M.A. degree is also offered in the department. For details on the graduate program see the *University Catalog*.

The Department of Communication Studies offers required and elective courses that are designed to make productive use of differing learning styles among students: theoretical and applied, textual and experiential, topical and case study, course work and internships/service learning, individual and groups/team based performances. A number of courses involve service learning to link communication, action, and academic study.

The Department of Communication Studies provides opportunities to study relational, group, workplace, and community communication. Communication courses contribute to a liberal education by teaching creative thinking and problem-solving, critical reasoning, and effective oral, written, and mediated communication. The faculty strongly believe in the interdisciplinary nature of communication, and this curriculum encourages elective course work be taken in allied disciplines such as African American and African Diaspora Studies, Anthropology, Business,

English, Media Studies, Philosophy, Political Science, Psychology, Sociology, and Women's and Gender Studies. Additionally, the Department participates in high-impact educational experiences, such as Service-Learning, the Honors Programs administered by the Lloyd International Honors College, Writing Across the Curriculum and Speaking Across the Curriculum programs, and regularly offers freshman seminars. Opportunities also exist for Study Abroad including exchanges in Europe. Communication Studies majors with a 3.0 GPA may apply to go abroad in the spring semester of their junior year to participate in various Study Abroad opportunities.

The undergraduate program in Communication Studies is designed to serve as a solid foundation for a variety of professional and entrepreneurial careers; it also provides preparatory work for graduate studies in communication, as well as related fields such as law, business, media studies, and education. Faculty and students in the Department of Communication Studies are actively involved in research, service, and consulting with community, state, regional, national, and international organizations and agencies.

## Student Learning Goals

As a reflection of the mission statement, the UNC Greensboro general education goals, and in consultation with the National Communication Association, the Department of Communication Studies has the following student learning outcomes for the B.A. degree. At the completion of the major, the student should be able to:

- Speak effectively and ethically to a public.
- Utilize communication concepts and competencies to build relationships and/or community.
- Apply a communication perspective to identify and analyze social issues/problems.
- Engage communication scholarship using appropriate theory and research methods.

## Graduate Programs

The Master of Arts program in Communication Studies prepares students for scholarly or applied communication careers in the social, public, and private sectors, community college teaching, or advancement to a doctoral program. As they master the tools of scholarship, students acquire:

1. A deep, research-based, critical understanding of communication in relation to public and private contexts and issues, and
2. The ability to participate in and contribute to the communication discipline as scholars and practitioners.

### Professor

Pete Kellett<sup>G</sup>  
Etsuko Kinefuchi<sup>G</sup>  
Loreen Nyla Olson<sup>G</sup>  
Christopher N. Poulos<sup>G</sup>

### Associate Professor

Marianne E. LeGreco<sup>G</sup>

### Academic Professional Associate Professor

Kim Cuny<sup>G</sup>  
Erin Harrison

### Assistant Professor

Cristiane Sommer Damasceno<sup>G</sup>

### Senior Lecturer

Jessica E. D. McCall<sup>G</sup>  
Jenni Marie Simon<sup>G</sup>

### Lecturer

Bethany Aleese Barnes  
Kristen Thompson Christman  
Jessica Rose Clifford  
Samuel C. (Chip) Cook IV  
David Scott Errera  
Patricia Fairfield-Artman<sup>G</sup>  
Katherine D Lind  
Nikki Howard Nichols  
Marc H Rich  
Pat Patterson Sawyer  
Kiya Jae Sellers  
Kelly Irene Donahey Simpson  
Jenny Marie Southard  
Jessica R Sullivan  
Kiya Davis Ward  
Holly Renee Williams  
Maria Martha Williams

### G Graduate-level faculty

- Communication Studies, B.A. (p. 330)
- Communication Studies Undergraduate Minor (p. 331)
- Communication Studies Second Academic Concentration (p. 332)
- Communication Studies, M.A. (p. 332)

## Communication Studies, B.A.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level with a minimum of 6 credits at the 400 level.
- Minimum 2.0 GPA

### Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

### Major Requirements

Code	Title	Credit Hours
	<b>Required</b>	36
CST 105	Introduction to Communication Studies <sup>†</sup>	
CST 200	Communication and Community	
CST 207	Relational Communication	
CST 210	Communicating Ethically	
CST 300	Communication Theory	
	<i>Select 21 additional credits of CST electives <sup>*</sup></i>	

\* All must be 300 level or above. 6 credits must be at the 400 level.

† Counts toward GEC GRD requirement.

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Disciplinary Honors in Communication Studies

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors coursework in the major *</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

\* Students may choose from an approved Communication Studies Honors course or 300-400-level Contract course

#### Recognition

Receive a Certificate of Disciplinary Honors in Communication Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

#### Honors Advisor

Contact Roy Schwartzman at doc\_roy@uncg.edu for further information and guidance about Honors in Communication Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.A. to M.A. in Communications Studies

#### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in Communication Studies. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credit hours earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

#### Communication Studies has the following additional requirements:

At least 15 credits of undergraduate Communication Studies courses, with an earned 3.5 GPA in these courses. The 15 credits must include CST 300 Communication Theory, with a minimum grade of B. Of the remaining 12 credits, 6 credits must be from among CST 105 Introduction to Communication Studies, CST 200 Communication and Community, CST 207 Relational Communication, and CST 210 Communicating Ethically. Standard application requirements for the Master of Arts (M.A.) program (i.e., undergraduate transcript(s), three letters of recommendation, personal statement, writing sample, interview).

#### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and

graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements.

As with all graduate students in Communication Studies, courses counted toward the M.A. degree need the prior approval of the Graduate Program Director. Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete an additional 18 credits of graduate-level course work to complete the M.A. degree. Please see the section below for a full description of the M.A. degree requirements. The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to AMP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved with the Graduate Program Director.

The following courses may be counted toward the bachelor's and the master's degrees:

Code	Title	Credit Hours
CST 601	Engaging Communication Scholarship I	3
CST 602	Engaging Communication Scholarship II	3
CST 605	Communicating for Social Change	3
CST 621	African American Culture and Identity	3
CST 630	Communication, Organization, and Democracy	3
CST 663	Seminar in Relational Communication	3

Substitutions for the above courses require the permission of the Graduate Program Director in the Department of Communication Studies.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Communication Studies remain the same.

## Communication Studies Undergraduate Minor

The Communication Studies minor is designed to offer interested students from other disciplines a broad, flexible foundation in key areas of the field.

### Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
CST 105	Introduction to Communication Studies	
<i>Select 3 credits from the following:</i>		
CST 200	Communication and Community	
CST 207	Relational Communication	

CST 210	Communicating Ethically
<i>Select at least 12 credits of CST electives at the 300 level or above</i>	

## Communication Studies Second Academic Concentration

The second academic concentration in Communication Studies is designed specifically for Elementary Education Majors.

### Requirements

- 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		
CST 105	Introduction to Communication Studies	3
CST 200	Communication and Community	3
CST 311 or CST 305	Deliberation and Decision Making Persuasion in Western Culture	3
<i>Select 12 credits from the following:</i>		
CST 207	Relational Communication	3
CST 210	Communicating Ethically	3
CST 315	Persuasion and Social Influence	3
CST 344	Conflict Communication	3
CST 350	Small Group and Team Communication	3
CST 403	Communication Pedagogy	3

## Communication Studies, M.A.

The M.A. in Communication Studies requires 30 credit hours of the mandatory core courses, elective course work, and the capstone experience.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit:

- A 2-3 page statement describing their educational background, relevant experience, career goals, and purpose for graduate study in the field of communication;
- An academic writing sample, preferably a research paper written for a prior course in communication studies or a relevant discipline; and
- A resume or curriculum vitae.

Applicants must also complete an interview with the Graduate Program Director and members of the Graduate Admissions Committee.

The inclusion of GRE scores is optional and can be submitted as part of an applicant's supplemental materials.

## Procedural Guidelines

Upon admission to the Department, the Graduate Program Director will advise students on Departmental and Graduate School processes and procedures.

After completing the core requirements, students will be informed by the Graduate Program Director if they are or are not meeting the academic

standards and requirements of the program. At that time, students may be allowed to continue in the program or be asked to leave the program.

Fully admitted graduate students in the Department of Communication Studies must achieve at least a 3.0 GPA each semester and on a cumulative basis throughout their program of study. Failure to meet this expectation will result in dismissal from the program. Further, any fully admitted graduate student earning 2 grades of C+ or C or 1 grade of U, WF, or F in any CST graduate course will be dismissed from the M.A. program. Students have the right to appeal for reinstatement to the CST Graduate Admissions Committee.

In the semester immediately prior to their final semester, students will form a Capstone Committee to assist with completion of the Final Research Project. The committee will consist of two CST Graduate Faculty members with whom the student has taken courses toward the degree and/or have expertise in the capstone topic area. Typically, one of these faculty members will serve as the major guiding professor on the project. The committee will guide the student through the development and execution of a research project appropriate to the culmination of the M.A. degree. The final product will be a scholarly essay. Satisfactory projects, with revisions, are typically suitable for submission for presentation at a local, regional, or national conference.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (6 credits)</b>		
CST 601	Engaging Communication Scholarship I	3
CST 602	Engaging Communication Scholarship II	3
<b>Elective Course Work (21 credits)</b>		
Select 21 credits of CST cognate, graded courses		21
<b>Capstone Experience (3 credits)</b>		
CST 698	Capstone Experience in Communication (Final Research Project)	3
<b>Total Credit Hours</b>		<b>30</b>

### Required Core Courses

The core courses form the foundation for proper socialization into the communication discipline, development of skills required for graduate-level work, and knowledge of theories and methodologies necessary to engage in communication scholarship. Students are required to take CST 601 Engaging Communication Scholarship I and CST 602 Engaging Communication Scholarship II during their first semesters in the program.

### Elective Course Work

In addition to the required core courses, students need to satisfactorily complete 21 credits in elective, graded courses. It is recommended that the students choose courses from the following categories within CST. The thematic groupings are designed to help students devise a coherent Plan of Study around their specific interests.

#### Category A: Culture and Identity

Code	Title	Credit Hours
CST 612	Seminar in Communication Studies	3
CST 621	African American Culture and Identity	3

CST 635	Identity, Culture, and Communication	3
CST 659	Communication and Gender	3

**Category B: Community Engagement and Public Advocacy**

Code	Title	Credit Hours
CST 605	Communicating for Social Change	3
CST 612	Seminar in Communication Studies	3
CST 632	Communication Ethics and Social Justice	3

**Category C: Organizational and Relational Communication**

Code	Title	Credit Hours
CST 612	Seminar in Communication Studies	3
CST 630	Communication, Organization, and Democracy	3
CST 663	Seminar in Relational Communication	3

**Additional Electives Choices:**

Students may elect to take CST 652 Research Practicum in Communication under supervision of a faculty member. CST 652 could also be included in the 21 elective credits. Students may take CST 650 Independent Study once certain requirements are met. However, independent study credits do not count toward the minimum 30 credits required for the degree. A maximum of 9 credits of electives may be taken at the 500-level.

All new teaching assistants are required to take CST 603 Communication Pedagogy in the fall of their first semester in the program. CST 603 may be included in the 21 credits of required electives.

**Electives Outside the Department (not to exceed 3 credits)**

Students may take an elective outside the department when additional course work is required for a student's plan of study, as determined by the Graduate Program Director and the student. Up to 3 credits of course work outside the department may be included in the minimum 30 credits required for the M.A. degree.

**Capstone Experience (Final Research Project)**

All students must complete a final research project, in consultation with the Graduate Faculty, as a demonstration of mastery of the arts of communication scholarship (see Procedural Guidelines above for more information). In addition to the written project, a formal presentation of the capstone is required. All students must enroll for a total of 3 credits in CST 698 Capstone Experience in Communication (Final Research Project).

**Exit Questionnaire**

All graduating students must complete an exit questionnaire on the M.A. program.

**SACSCOC 18 Credit-Hour Requirement**

Community college instructors interested in earning 18 credit hours in communication to satisfy SACSCOC requirements should consult the Graduate Program Director for guidance in course selection.

**Accelerated B.A. to M.A. in Communications Studies Application and Admission**

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in Communication

Studies. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credit hours earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

**Communication Studies has the following additional requirements:**

At least 15 credits of undergraduate Communication Studies courses, with an earned 3.5 GPA in these courses. The 15 credits must include CST 300 Communication Theory, with a minimum grade of B. Of the remaining 12 credits, 6 credits must be from among CST 105 Introduction to Communication Studies, CST 200 Communication and Community, CST 207 Relational Communication, and CST 210 Communicating Ethically. Standard application requirements for the Master of Arts (M.A.) program (i.e., undergraduate transcript(s), three letters of recommendation, personal statement, writing sample, interview).

**Courses**

Admitted students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements.

As with all graduate students in Communication Studies, courses counted toward the M.A. degree need the prior approval of the Graduate Program Director. Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete an additional 18 credits of graduate-level course work to complete the M.A. degree. Please see the section below for a full description of the M.A. degree requirements. The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to AMP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved with the Graduate Program Director.

The following courses may be counted toward the bachelor's and the master's degrees:

Code	Title	Credit Hours
CST 601	Engaging Communication Scholarship I	3
CST 602	Engaging Communication Scholarship II	3
CST 605	Communicating for Social Change	3
CST 621	African American Culture and Identity	3
CST 630	Communication, Organization, and Democracy	3
CST 663	Seminar in Relational Communication	3

Substitutions for the above courses require the permission of the Graduate Program Director in the Department of Communication Studies.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Communication Studies remain the same.

# Computer Science

*College of Arts and Sciences*

167 Petty Building

336-256-1112

<https://compsci.uncg.edu>

**Jing Deng**, Head of Department

**Lixin Fu**, Director of Undergraduate Studies

**Shan Suthaharan**, Graduate Program Director

## Undergraduate

The courses in the Computer Science Department are designed to teach the foundations of computing rather than a particular technology, so that the student is prepared to adapt to changing technology. Students are exposed to various programming languages and computing systems.

The job market in computer science is strong. A student completing a bachelor's degree with a strong academic record can expect job offers as a systems programmer or analyst, applications programmer, systems support staff member, technical staff member, or similar position. The undergraduate curriculum has also been designed to prepare students for graduate studies (master's and doctoral degrees) in computer science. Qualified students who have an interest in research will have opportunities to participate in projects with department faculty during undergraduate or graduate studies.

## Graduate

### About

The Master of Science is designed to build computer science depth and research competence, to prepare students for advanced careers in computing fields. Students completing the M.S. degree are also well-prepared for doctoral study in computer science.

M.S. students may pursue an optional concentration in Data Science and Big Data, which provides students key knowledge of appropriate theories, algorithms, and technologies, towards development of analytical systems/models for disparate, complex, and small/large scale datasets. Students completing this concentration will have demonstrated skills necessary to tackle a wide variety of data-focused scientific, social, and environmental challenges.

### Mission Statement

The Department of Computer Science supports the university mission of being a student-centered research university by fostering discovery and intellectual growth through the traditional activities of education, research, and service, with stated missions in each of these areas.

- Education Mission: To provide excellence in teaching and education, providing rigorous undergraduate and graduate programs that produce graduates who have the theoretical foundation and technical skills to become productive professionals and/or to contribute to research in computer science, and supporting general liberal education through courses for non-majors that promote critical thinking and skills for life in a technical and information-based society.
- Research Mission: To contribute to the creation and dissemination of ideas through research and scholarly activities, such as publication of original research, presentations at scholarly meetings, and participation in externally funded research projects, in the context of

a program which values the academic freedom of faculty to set their own research directions in basic or applied research.

- Service Mission: To support the university and computer science profession through participation in activities, committees, and policy making.

### Professor

Jing Deng, Professor and Bank of America Excellence Professor<sup>G</sup>

Shan Suthaharan<sup>G</sup>

Stephen R. Tate<sup>G</sup>

### Associate Professor

Lixin Fu<sup>G</sup>

### Assistant Professor

Minjeong Kim<sup>G</sup>

Regis Kopper<sup>G</sup>

Yingcheng Sun<sup>G</sup>

Qianqian Tong<sup>G</sup>

Chunjiang Zhu<sup>G</sup>

### Visiting Assistant Professor

Jeronimo Gustavo Grandi<sup>G</sup>

Allen Clark McBride<sup>G</sup>

### Senior Lecturer

Chandana Ariyawansa

### Lecturer

Rebecca S Crellin

Amitabha Dey

Christine Marie Kikuchi

Sunny E Ntini

Jeff N Whitworth

### G Graduate-level faculty

- Computer Science, B.S. (p. 334)
- Computer Science Undergraduate Minor (p. 336)
- Computer Science, M.S. (p. 336)
- Computer Science, Ph.D. (p. 338)

## Computer Science, B.S.

The courses in the Computer Science Department are designed to teach the foundations of computing rather than a particular technology, so that the student is prepared to adapt to changing technology. Students are exposed to various programming languages and computing systems.

The job market in computer science is strong. A student completing a bachelor's degree with a strong academic record can expect job offers as a systems programmer or analyst, applications programmer, systems support staff member, technical staff member, or similar positions. The undergraduate curriculum has also been designed to prepare students for graduate studies (master's and doctoral degrees) in computer science. Qualified students who have an interest in research will have opportunities to participate in projects with department faculty during undergraduate or graduate studies.

In addition to the regular B.S. program, students may pursue a concentration in Data Science and Big Data, which is designed to provide Computer Science B.S. students with key knowledge of appropriate theories, algorithms, and technologies, towards development of

analytical systems/models for disparate, complex, and small/large scale datasets. Students completing this concentration will have learned skills necessary to tackle a wide variety of data-focused scientific, social, and environmental challenges.

Because computer science courses change rapidly, it is recommended that the sequence CSC 130, CSC 230, CSC 330 be completed within 4 consecutive semesters.

The B.S. degree in Computer Science program is accredited by the Computing Accreditation Commission of ABET ([www.abet.org](http://www.abet.org) (<http://www.abet.org>)).

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students must maintain a grade point average of at least 2.0 in the core courses, required electives, and required supporting discipline courses.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>39</b>
CSC 130	Introduction to Computer Science	
CSC 230	Elementary Data Structures and Algorithms	
CSC 250	Foundations of Computer Science I	
CSC 261	Computer Organization and Assembly Language	
CSC 330	Advanced Data Structures	
CSC 339	Concepts of Programming Languages	
CSC 340	Software Engineering	
CSC 350	Foundations of Computer Science II	
CSC 362	System Programming	
CSC 452	Theory of Computation	
CSC 462	Principles of Operating Systems	
CSC 471	Principles of Database Systems	
CSC 490	Senior Capstone	
<b>CSC Electives</b>		<b>12</b>
<i>Select an additional 12 credits from any CSC course at the 300 level or above.*</i>		
<b>Supporting Discipline Requirements</b>		<b>12-14</b>
MAT 196	Calculus A	
or MAT 191	Calculus I	
MAT 296	Calculus B	
or MAT 292	Calculus II	
PHI 222	Ethics in the Computer Age	
STA 271	Fundamental Concepts of Statistics	
or STA 290	Introduction to Probability and Statistical Inference	

## Science Requirements

*Select two of the following options: \*\**

BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory
PHY 291 & 291L	General Physics I with Calculus and General Physics I with Calculus Lab
PHY 292 & 292L	General Physics II with Calculus and General Physics II with Calculus Lab

\* Three of these credit hours may be satisfied by one of the following courses: MAT 293, MAT 310, MAT 390, MAT 396, STA 301, or STA 352

\*\* When registering for the science course, students must concurrently register for the lab component of the course.

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Data Science and Big Data

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Data Science and Big Data Concentration Requirements

- 9 credit hours as defined below
- Students in the Data Science and Big Data Concentration must satisfy all requirements for the B.S. in Computer Science, and must complete the following courses:

Code	Title	Credit Hours
<b>Required</b>		<b>9</b>
CSC 405	Data Science	
CSC 410	Big Data and Machine Learning	
<i>Select 3 credits from the elective courses below</i>		
CSC 407	Network Analysis	
CSC 416	Digital Image Processing	
CSC 417	Deep Learning in Computer Vision	
CSC 425	Bioinformatics	
CSC 429	Artifical Intelligence	
CSC 454	Algorithm Analysis / Design	
CSC 474	Principles of Data Mining	
STA 431	Introduction to Probability	
STA 435	Theory Linear Regression	

## Disciplinary Honors in Computer Science

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of B or higher in all course work used to satisfy the Honors requirements in Computer Science and at least a 3.30 overall GPA at graduation.

Code	Title	Credit Hours
<b>Required</b>		<b>6</b>
CSC 493	Honors Work in Computer Science *	
HSS 490	Senior Honors Project **	
<b>Select 6 credits from the following:</b>		<b>6</b>
CSC 415	Computer Graphics	
CSC 416	Digital Image Processing	
CSC 425	Bioinformatics	
CSC 427	Numerical Analysis and Computing	
CSC 429	Artifical Intelligence	
CSC 439	Introduction to Compiler Design	
CSC 442	Human-Computer Interface Dev	
CSC 454	Algorithm Analysis / Design	
CSC 461	Prin of Computer Architecture	
CSC 471	Principles of Database Systems	
CSC 477	Prin of Computer Networks	
CSC 478	Prin of Wireless Networks	

\* Taken first in the sequence.

\*\* Taken second in the sequence.

### Recognition

Receive a Certificate of Disciplinary Honors in Computer Science; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Lixin Fu at [l\\_fu@uncg.edu](mailto:l_fu@uncg.edu) for further information and guidance about Honors in Computer Science. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.S. to M.S.

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science (B.S.) in Computer Science may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must complete the Accelerated Master's Program information along with their application for admission to the graduate degree program.

### Courses

Admitted students may apply the following 12 credits of graduate-level course work toward completion of both the undergraduate and graduate

degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements:

Code	Title	Credit Hours
CSC 652	Theory of Computation	3
CSC 654	Algorithm Analysis and Design	3
CSC 662	Principles of Operating Systems	3
CSC 677	Principles of Computer Networks	3

Please consult with an advisor to determine how the course taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Computer Science remain the same.

## Computer Science Undergraduate Minor

The minor in computer science consists of at least 15 credit hours of work. The Computer Science Minor requires 3 to 4 semesters to complete.

### Program Requirements

- Minimum of 15 credit hours; Minimum of 9 credits in residence at UNC Greensboro

Code	Title	Credit Hours
<b>Required</b>		<b>15</b>
CSC 130	Introduction to Computer Science	
CSC 230	Elementary Data Structures and Algorithms	
CSC 250	Foundations of Computer Science I	
CSC 330	Advanced Data Structures	
<b>Select one of the following:</b>		
CSC 261	Computer Organization and Assembly Language	
CSC 339	Concepts of Programming Languages	
CSC 340	Software Engineering	

## Computer Science, M.S.

The M.S. in Computer Science requires 30 credit hours with at least 24 credits in computer science (CSC) courses. Three options for the capstone experience are offered: comprehensive examination, project, or thesis. Optional concentrations in Data Science and Big Data and in Healthcare and Artificial Intelligence are available for Computer Science M.S. students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

### Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
CSC 654	Algorithm Analysis and Design	3
Select one course (3 credits) from the following:		3

CSC 652	Theory of Computation	
CSC 656	Foundations of Computer Science	
Select one course (3 credits) from the following:		3
CSC 640	Software Engineering	
CSC 662	Principles of Operating Systems	
CSC 671	Advanced Database Systems	
CSC 677	Principles of Computer Networks	
<b>Track Courses (12 credits)</b>		
Select four courses (12 credits) from one of the following tracks:	12	
<i>Foundation and Algorithms Track</i>		
CSC 639	Introduction to Compiler Design	
CSC 652	Theory of Computation	
CSC 656	Foundations of Computer Science	
CSC 685	Modern Cryptography	
STA 631	Introduction to Probability	
STA 651	Mathematical Statistics	
<i>Data Science and Big Data Track</i>		
CSC 605	Data Science *	
CSC 607	Network Analysis	
CSC 610	Big Data and Machine Learning *	
CSC 616	Digital Image Processing	
CSC 625	Bioinformatics	
CSC 629	Artificial Intelligence	
CSC 671	Advanced Database Systems *	
CSC 672	Database System Architecture	
CSC 677	Principles of Computer Networks	
STA 631	Introduction to Probability	
STA 651	Mathematical Statistics	
<i>Systems and Networks Track</i>		
CSC 607	Network Analysis	
CSC 629	Artificial Intelligence	
CSC 640	Software Engineering	
CSC 642	Human-Computer Interface Development	
CSC 661	Principles of Computer Architecture	
CSC 662	Principles of Operating Systems	
CSC 671	Advanced Database Systems	
CSC 677	Principles of Computer Networks	
CSC 678	Principles of Wireless Networks	
CSC 681	Principles of Computer Security	
<b>Electives (3-6 credits)</b>		
Select 3-6 credits of electives from other 600- or 700-level CSC courses **	3-6	
<b>Capstone Experience (0-6 credits)</b>		
Select one of the following options:	0-6	
<i>Thesis (6 credits)</i>		
CSC 699	Thesis	
<i>Project (3-6 credits)</i>		
CSC 698	Project in Computer Science	
<i>Comprehensive Examination (0 credits)</i>		
Complete a written examination on the program of study		
<b>Total Credit Hours</b>	30	

\* Students in the Data Science and Big Data Concentration must take CSC 605, CSC 610, and CSC 671 as part of their concentration requirements.

\*\* With the prior approval of the Graduate Program Director. A number of selected courses from other departments are also available; interested students should contact the Graduate Program Director.

## Thesis, Project, or Comprehensive Examination (Capstone Experience)

Each candidate may elect to prepare a thesis, prepare a project, or pass a comprehensive examination on the program of course work.

### Thesis

The candidate may prepare a thesis based on the investigation of a topic in computer science. A thesis director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. The writing of a thesis requires the scholarly exposition and documentation of a substantial problem. In some cases, this may lead to a new solution to the problem and to original results. While writing the thesis, candidates may include up to 6 credits of CSC 699 Thesis in the required 30 credits for the program. An oral examination on the thesis is required.

### Project

The candidate may prepare a project (theoretical or programmed) based on a topic in computer science. The project may be work-related. A project director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. The preparation of a project requires a description of the problem and documentation of any software products or description of theoretical solutions. While preparing the project, candidates may include 3 to 6 credits of CSC 698 Project in Computer Science in the required 30 credits for the program. An oral examination on the project is required.

### Comprehensive Examination

A candidate may elect to pass a written comprehensive examination on the program of study. Please consult with the Graduate Program Director for information concerning the comprehensive examination.

## Data Science and Big Data Concentration

Code	Title	Credit Hours
<b>Core Courses (12 credits)</b>		
CSC 605	Data Science	3
CSC 610	Big Data and Machine Learning	3
CSC 654	Algorithm Analysis and Design	3
CSC 671	Advanced Database Systems	3
<b>Elective Courses (3 credits)</b>		
Select one course (3 credits) from the following:		3
CSC 607	Network Analysis	
CSC 616	Digital Image Processing	
CSC 617	Deep Learning in Computer Vision	
CSC 625	Bioinformatics	
CSC 629	Artificial Intelligence	
CSC 674	Principles of Data Mining	
STA 635	Theory of Linear Regression	
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	

STA 682	Theory of Time Series	
Total Credit Hours		15
<b>Healthcare and Artificial Intelligence Concentration</b>		
Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
CSC 630 or IAH 630	Fundamentals of Health Informatics Fundamentals of Health Informatics	3
CSC 631 or IAH 631	Artificial Intelligence in Healthcare * Artificial Intelligence in Health Care	3
CSC 632 or IAL 632	Ethics and Intellectual Property for Informatics and Analytics Ethics and Intellectual Property for Informatics and Analytics	3
<b>Elective Courses (6 credits)</b>		
<i>Computer Science Courses (3 credits)</i>		
Select one course (3 credits) from the following:		3
CSC 605	Data Science	
CSC 607	Network Analysis	
CSC 610	Big Data and Machine Learning	
CSC 616	Digital Image Processing	
CSC 617	Deep Learning in Computer Vision	
CSC 626	Advanced Bioinformatics	
CSC 629	Artificial Intelligence	
CSC 642	Human-Computer Interface Development	
CSC 671	Advanced Database Systems	
CSC 674	Principles of Data Mining	
CSC 681	Principles of Computer Security	
CSC 687	Network Security	
<i>Health and Human Sciences or Nursing Courses (3 credits)</i>		
Select one course (3 credits) from the following:		3
HEA 601	Foundations of Public Health	
HEA 602	Epidemiology Methods	
HEA 604	Quantitative Methods	
HEA 607	Determinants of Health	
HHS 746	Applied Longitudinal Analysis	
KIN 601	Applying Research to Professional Practice	
KIN 723	Statistical Methods for Kinesiology	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
NTR 773	Nutrition Research Methodology	
NUR 701	Statistical Applications for Nursing Research	
NUR 702	Statistical Applications for Nursing Research II	
NUR 704	Quantitative Research in Nursing	
NUR 715	Research Methods in Nursing	
Total Credit Hours		15

\* A grade of B+ or higher is required for CSC 631 or IAH 631 to qualify for the concentration.

## Accelerated B.S. to M.S. in Computer Science

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science (B.S.) in Computer Science may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must complete the Accelerated Master's Program information along with their application for admission to the graduate degree program.

### Courses

Admitted students may apply the following 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements:

Code	Title	Credit Hours
CSC 652	Theory of Computation	3
CSC 654	Algorithm Analysis and Design	3
CSC 662	Principles of Operating Systems	3
CSC 677	Principles of Computer Networks	3

Please consult with an advisor to determine how the course taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Computer Science remain the same.

## Computer Science, Ph.D.

The Ph.D. in Computer Science takes approximately four years to complete. Research specialties include algorithms, artificial intelligence, data science and machine learning, database systems, extended reality, image processing, networking, and security.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Students must have a previous degree in computer science (B.S. or M.S. degree), or a closely-related field such as computer engineering or software engineering. Students looking to enter computer science without a prior degree are encouraged to apply to the M.S. program.

Applications are competitive, and applicants are expected to have a strong quantitative/mathematical background and a good overall GPA (at least 3.0).

In addition to the materials required by The Graduate School, applicants must submit:

- Official transcripts for all postsecondary education, showing completion of a prior degree (B.S. or M.S.) in computer science or a closely-related field
- TOEFL/IELTS for non-native English speakers
- An essay ("statement of purpose") describing their goals in pursuing a Ph.D. in Computer Science, including a description of specific

- interests or a faculty member that the applicant is interested in working with (1-2 pages)
- A curriculum vita describing prior research or work experience (if any)
  - Three letters of recommendation

## Degree Program Requirements

**Required:** 54 credit hours (or 72 credit hours without a previously-earned M.S. degree)

Qualified students with an M.S. in Computer Science must complete 54 credits of course work in the Ph.D. program. At least 33 credits of the total must be at the 700-level. (Students with a B.S. in Computer Science or a related discipline must complete 72 credits; see section below for information.)

Code	Title	Credit Hours
<b>Required Course (3 credits)</b>		
CSC 701	Doctoral Student Orientation	3
<b>Core Courses (18 credits)*</b>		
Select two courses (6 credits) from the following Theory and Algorithms courses:		6
CSC 752	Theory of Computation	
CSC 754	Algorithm Analysis and Design	
CSC 756	Foundations of Computer Science	
Select two courses (6 credits) from the following Systems and Networks courses:		6
CSC 761	Principles of Computer Architecture	
CSC 762	Principles of Operating Systems	
CSC 777	Principles of Computer Networks	
Select two courses (6 credits) from the following Data/Knowledge courses:		6
CSC 705	Data Science	
CSC 709	Big Data and Machine Learning	
CSC 716	Digital Image Processing	
CSC 725	Bioinformatics	
CSC 729	Artificial Intelligence	
CSC 744	Human-Computer Interface Development	
CSC 771	Advanced Database Systems	
<b>Electives (18-36 credits)</b>		
Select 18-36 credits from other 600- or 700-level CSC courses **		18-36
<b>Dissertation (15 credits)</b>		
CSC 799	Dissertation	15
<b>Total Credit Hours</b>		<b>54-72</b>

- \* Must take at least two courses from each area. Prior graduate-level course work may be used to complete the core courses requirement, but students must pass their qualifying exam in each area at UNC Greensboro.
- \*\* Other than CSC 799. At least 15 credits of electives must be at the 700-level. Students may select courses from other departments with approval of the Graduate Program Director.

## Advisory Committee

Each student will have an advisory/dissertation committee, consisting of at least four members of the graduate faculty, who shall assist the

student with the preparation of the plan of study and shall guide and evaluate the doctoral dissertation. This committee will be appointed by the Dean of Graduate Education upon the recommendation of the Computer Science Graduate Program Director and must be mutually acceptable to the student and all committee members. The committee chair must be a graduate faculty member in the Department of Computer Science and at most, one committee member may come from outside the Department of Computer Science. If appropriate to the student's dissertation research, one member may be from outside the department or outside the university (any member from outside UNC Greensboro must be approved by the university as adjunct graduate faculty). The student must request the appointment of this committee no later than upon completion of the first 18 credits of graduate course work. Any subsequent changes in the advisory/dissertation committee must be approved by the Graduate Program Director and submitted to the Graduate School for approval.

## Seminar Attendance and Participation

Ph.D. students are expected to become part of an active scholarly community with other students and faculty in the department. As such, all students are expected to attend all departmental research talks and present at least one public research talk in addition to their dissertation proposal and defense. Students must track attendance at talks using a department-determined process, such as an attendance log.

## Qualifying Exam

- Part 1: Based on core courses taken by the student
- Part 2: Ph.D. dissertation proposal

Part 1 of qualifying exam is a written exam based on the core courses the student has taken. It is offered twice per year: a regular exam offering in May (after Spring classes conclude) and a "make-up exam" offering in the early part of the Fall semester. This part of the qualifying exam will consist of three individual area exams, corresponding to the three core areas in the table above, and each area exam will be designed to be three hours long. Area exams will be scheduled over a period of two weeks. Content will be determined by faculty responsible for the core courses taken by the student. If a student fails an area exam for any of the core areas in the regular exam offering, a second and final chance will be given to retake the failed area exam(s) at the make-up date.

Part 2 is intended to evaluate students research aptitude. In consultation with the student's advisor, the student thoroughly surveys a research area and prepares a written proposal for his/her dissertation that puts the proposed research in the context of previous work. Then an oral exam is held during which the student presents the proposal to the advisory committee, who evaluates and assigns a grade (pass/fail). A failing student is given a second and final chance. Students must have demonstrated participation in the department's scholarly community by documenting attendance at 9 or more department research talks before being eligible for presenting their dissertation proposal.

## Dissertation Defense

With the approval of the advisor, the student submits the dissertation to Graduate School. The dissertation defense is then conducted by the advisory committee.

## Students with a B.S. in Computer Science or Related Discipline

Students with a B.S. in Computer Science or a related discipline can apply for admission to the Ph.D. in Computer Science. The minimum credit hour requirement for the Ph.D. for these students is 72 credits. The

admissions committee can require students with inadequate preparation, who are otherwise qualified, to take additional courses (in addition to the minimum 72 credits). Normally, these students will spend at least one year (2 semesters) in preparation for the Ph.D. program. These students may register for CSC 701 at the beginning of their second year. Students who complete the M.S. program may receive a "pass through master's" after passing phase 1 of their qualifying exam.

# English

*College of Arts and Sciences*

3143 Moore Humanities and Research Administration  
336-334-5311  
[www.uncg.edu/eng](http://www.uncg.edu/eng/) (<http://www.uncg.edu/eng/>)

**Jennifer Feather**, *Department Head*

**Anthony Cuda**, *Associate Department Head*

**Karen Weyler**, *Director of Undergraduate Studies*

**Jennifer Keith**, *Director of Graduate Studies*

**Terry Kennedy**, *Graduate Program Director, M.F.A.*

**Risa Applegarth**, *Director of College Writing*

**Jeanie Reynolds**, *Director of English Education*

The Department of English offers courses a wide range of courses in literature, literary theory, rhetoric, journalism, and in writing essays, fiction, and poetry. Senior-graduate courses are available to advanced students, and the graduate program offers the full range of literary and rhetorical studies leading to the M.A. and Ph.D. The creative writing program offers courses both to undergraduates seeking the B.A. degree and to graduate students seeking the M.F.A. degree.

## Undergraduate

The department offers two major programs leading to the B.A. degree: English and English—Secondary Education. Successful completion of the latter program qualifies the graduate to teach in high schools in North Carolina and other states with which North Carolina has reciprocal licensure agreements. A student may declare either major upon matriculation; to change one's major to English, or to change from one degree program to the other, students may use the UNCG Curriculum (Major/Minor) Change Request form available on Spartan Central.

The English Department also offers minors in English, Creative Writing, and Advocacy and Public Writing, as well as pre-baccalaureate certificates in the latter two programs.

## Graduate

The Department of English offers degree programs leading to the Master of Arts, the Master of Fine Arts, and the Doctor of Philosophy. *The Greensboro Review*, a magazine of poetry and fiction is edited and published twice a year by the Master of Fine Arts Program.

M.A. classes and Ph.D. classes are scheduled to meet the needs of full-time students as well as students working full-time in teaching or other professions.

### Professor

Anthony Joseph Cuda<sup>G</sup>

Stuart Dischell, *Professor*<sup>G</sup>

Christopher T. Hodgkins<sup>G</sup>

Holly G Jones<sup>G</sup>

Jennifer M. Keith<sup>G</sup>

Karen L. Kilcup, *Rosenthal Excellence Professor*<sup>G</sup>

Christian Moraru, *Class of 1949 Distinguished Professor*<sup>G</sup>

Noelle A. Morrisette<sup>G</sup>

Mark Rifkin, *Excellence Professor*<sup>G</sup>

Scott Romine<sup>G</sup>

Karen Ann Weyler<sup>G</sup>

Stephen R. Yarbrough<sup>G</sup>

### Associate Professor

Heather B Adams<sup>G</sup>

Jennifer Feather<sup>G</sup>

Nancy A. Myers<sup>G</sup>

Emilia Phillips<sup>G</sup>

Maria Carla Sanchez<sup>G</sup>

Amy Noelle Vines<sup>G</sup>

### Assistant Professor

Xhenet Aliu<sup>G</sup>

Derek A Palacio<sup>G</sup>

Neelofer Qadir<sup>G</sup>

### Academic Professional Assistant Professor

Gia Marie Coturri Sorenson

Terry Lynn Kennedy<sup>G</sup>

Jeanie Marklin Reynolds<sup>G</sup>

Jessie Moran Van Rheenen<sup>G</sup>

Jennifer L. Whitaker<sup>G</sup>

### Senior Lecturer

Gary Lim

### Lecturer

Honora Awamie Ankong

Jean-Luc Harrison Bouchard

Candace Renee Chambers

Lisa M Compo

Stephen Cushman

Shawn M Delgado

Joe Deibler Dunne

Evan Todd Fackler

Luke Luke Huffman

Matt Micheal Allen Phillips

Michael Thomas Pittard

Maddie Simone Mickel Poole

Elma K Sabo

Andrew P. Saulters

Jordan Lorease Simone Williams

### G Graduate-level faculty

- English, B.A. (p. 341)
- English, Secondary Education, B.A. (p. 343)
- Advocacy and Public Writing Undergraduate Minor (p. 346)
- Creative Writing Undergraduate Minor (p. 346)
- English Undergraduate Minor (p. 347)
- English Second Academic Concentration (p. 347)
- Creative Writing, M.F.A. (p. 348)
- English, M.A. (p. 349)
- English, Ph.D. (p. 351)

## English, B.A.

The English Major provides a flexible program. Students who major in English participate in increasingly intensified study of language and literature that includes English, American, and foreign literature in translation. Upon graduation, English majors are well qualified to enter nearly all fields that do not require previous technical and professional training.

Although the English major is an excellent preparation for a variety of careers, many students will seek licensure to teach, and others will choose to enter graduate school. English has long been recognized as a desirable major for prelaw and premedical studies. It is also beneficial for students who enter such fields as journalism, editing, communications, diplomacy, advertising, and personnel work.

Students will find more information about the English major on the Department's website: <https://english.uncg.edu/undergraduate/ba-degree/>.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum of 33 credits of English at the 200-level or above is required. 18 credits must be taken at the 300-level or above, excluding ENG 327.
- No requirement for the major may be met by a grade lower than C-.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

In this 33 credit hour major, students take 12 credits (4 courses) from the 4 categories below. The remaining 21 credits leave room for students to pursue elective courses in a range of topics in literature, rhetoric, and creative writing. Courses must be taken at the 200-level or above. 18 credits must be taken at the 300-level or above, excluding ENG 327.

Code	Title	Credit Hours
<b>Big Questions</b>		<b>3</b>
ENG 270	Big Questions in the Humanities and Fine Arts	
ENG 271	Big Questions in Health and Wellness	
ENG 272	Big Questions in Diversity and Equity	
ENG 273	Big Questions in Global Engagement and Intercultural Learning	

<b>Historical Depth and Context</b>	<b>3</b>
These courses emphasize how authors, rhetors, and texts participate in the historical dynamics of their time. Classes may focus on earlier writers and writings, longer spans of time, or an in-depth analysis of a particular historical moment.	

<i>Select one of the following:</i>	
ENG 315	Postcolonial Literatures
ENG 335	Dante in English
ENG 336	Introduction to Chaucer
ENG 337	English Literature to 1500
ENG 339	Shakespeare: Early Plays and Sonnets

ENG 340	Shakespeare: Later Plays	
ENG 342	The Seventeenth Century	
ENG 343	Topics in Pre-1800 Literature	
ENG 344	The Romantic Period	
ENG 345	The Victorian Period	
ENG 346	British Literature from Victorian to Modern	
ENG 351	The American Novel through World War I	
ENG 360	The Restoration and the Eighteenth Century	
ENG 371	Literary Study of the Bible	
ENG 372	Early American Literature	
ENG 373	American Romanticism	
ENG 377	American Realism and Naturalism	
ENG 381	English Drama to 1800	
<b>Marginalized and Minoritized Writers</b>		<b>3</b>
These courses focus on writers and rhetors from groups that have been marginalized, historically and in the present.		
<i>Select one of the following:</i>		
ENG 316	Studies in Human Rights and Literature	
ENG 331	Women in Literature	
ENG 332	English Women Writers before 1800	
ENG 374	Early African American Writers	
ENG 375	Topics in Native American and Indigenous Studies	
ENG 376	African American Writers after the 1920s	
ENG 379	American Women's Writing	
ENG 383	Topics in Queer and Trans Studies	
ENG 431	Feminist Thry / Women Writers	
<b>Theories and Methods</b>		<b>3</b>
In these courses, students develop facility with critical tools for analysis, inquiry, interpretation, and research that they can use to approach many different types of texts.		
<i>Select one of the following:</i>		
ENG 301	Topics in Theory and Method	
ENG 303	Literary Theory	
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
<b>English Elective Requirements *</b>		<b>21</b>
<i>Select 21 additional credits of ENG electives.</i>		
Courses must be taken at the 200-level or above. 18 credits must be taken at the 300-level or above, excluding ENG 327.		

\* Courses not used to fulfill core requirements above.

## Electives

Select electives sufficient to complete the 120 credit hours required for degree.

## Disciplinary Honors in English Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>Select 9 credits of Honors course work, at least 6 of which must be in English. Honors course work may consist of any combination of the courses listed below:</b>		<b>9</b>
ENG 493	Honors Work	
	<i>Contract Honors courses in English at the 300 level or above</i>	
	<i>Any other Honors course outside of the English department *</i>	

\* Taken for up to 3 credits.

### Recognition

Students who complete the program will be recognized at a banquet held at the end of the spring semester. The designation "Completed Disciplinary Honors in English" and the title of the Senior Honors Project will be printed on the student's official transcript.

### Honors Advisor

Contact Dr. Karen Weyler at [kaweyler@uncg.edu](mailto:kaweyler@uncg.edu) for further information and guidance about Honors in English. For further information, see the Honors Programs. To apply: <https://honorscollege.uncg.edu/discriminatory-honors/discriminatory-honors-admissions/>

## Accelerated B.A. to M.A.

The Accelerated BA to MA in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

1. Thesis Plan
2. Teaching Composition Plan
3. Careers in the Humanities Plan

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in English. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

### English has the following additional requirements for AMP applicants:

At least 15 credits of undergraduate English courses at the 200 level or above, with an earned 3.5 GPA in these courses.

Standard application requirements for the Master of Arts (M.A.) degree program, excluding GRE scores (i.e., undergraduate transcript(s), three letters of recommendation, statement of purpose, writing sample, and resume or cv).

AMP applicants must complete the Accelerated Master's Program information along with their application for admission to the English M.A. degree program. Students admitted to the AMP program may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degrees, provided that they earn

a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements.

### Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30-36 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 18 credits of further graduate-level course work to complete the M.A. degree. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to AMP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved by the Graduate Program Director.

The following courses may be counted toward both the bachelor and master's degrees:

Code	Title	Credit Hours
ENG 549	The Critical Canon and Contemporary Issues	3
ENG 601	English Studies: Content, Methods, and Bibliography	3
ENG 642	Topics in Pre-1800 Literature *	3
ENG 664	Topics in Post-1800 Literature *	3

\* May be repeated twice for credit when topic or instructor varies.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in English will remain the same.

## English, Secondary Education, B.A.

North Carolina needs teachers. Students who major in English with High School Licensure receive excellent preparation through the University's Department of English and the School of Education. Graduates go on to teach not only in North Carolina, but also in states with which North Carolina has reciprocal licensure agreements.

This Council for the Accreditation of Educator Preparation (CAEP) and North Carolina Department of Public Instruction (NCDPI) accredited program has an excellent placement record. It is designed for students who want to teach high school English, although majors often go on to graduate school in English or other professional schools such as law, medicine, or education.

The preparation for English education is rigorous so future teachers become well informed about theory and practice and concerned about diversity, community, and their ongoing professional growth. Graduates also experience success and flexibility in careers as diverse as writing, publishing, journalism, broadcasting and marketing, as well

as educational administration, law, business, library and information science, health care, politics and more.

Additional guidance is available from the Director of English Education.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum of 33 credits of English at the 200-level or above is required. 18 credit hours must be taken at the 300-level or above, excluding ENG 327.
- No requirement for the major may be met by a grade lower than C-.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

In this 33 credit hour major, students take 21 credits (7 courses) from the 6 categories below. The remaining 12 credits leave room for students to pursue elective courses in a range of topics in literature, rhetoric, and creative writing. Courses must be taken at the 200-level or above. 18 credits must be taken at the 300-level or above, excluding ENG 327.

Code	Title	Credit Hours
<b>Big Questions</b>		
These courses explore how the study of literature and rhetoric addresses significant philosophical, historical, and social issues. Each course will have its own question that will vary depending on the instructor.		
	<i>Select one of the following:</i>	
ENG 270	Big Questions in the Humanities and Fine Arts	
ENG 271	Big Questions in Health and Wellness	
ENG 272	Big Questions in Diversity and Equity	
ENG 273	Big Questions in Global Engagement and Intercultural Learning	

Code	Title	Credit Hours
<b>Historical Depth and Context</b>		
These courses emphasize how authors, rhetors, and texts participate in the historical dynamics of their time. Classes may focus on earlier writers and writings, longer spans of time, or an in-depth analysis of a particular historical moment.		
	<i>Select one of the following:</i>	
ENG 315	Postcolonial Literatures	
ENG 335	Dante in English	
ENG 336	Introduction to Chaucer	
ENG 337	English Literature to 1500	
ENG 339	Shakespeare: Early Plays and Sonnets	

Code	Title	Credit Hours
<b>Historical Depth and Context</b>		
These courses emphasize how authors, rhetors, and texts participate in the historical dynamics of their time. Classes may focus on earlier writers and writings, longer spans of time, or an in-depth analysis of a particular historical moment.		
	<i>Select one of the following:</i>	
ENG 340	Shakespeare: Later Plays	
ENG 342	The Seventeenth Century	
ENG 343	Topics in Pre-1800 Literature	
ENG 344	The Romantic Period	
ENG 345	The Victorian Period	

ENG 346	British Literature from Victorian to Modern	
ENG 351	The American Novel through World War I	
ENG 360	The Restoration and the Eighteenth Century	
ENG 371	Literary Study of the Bible	
ENG 372	Early American Literature	
ENG 373	American Romanticism	
ENG 377	American Realism and Naturalism	
ENG 381	English Drama to 1800	
<b>Marginalized and Minoritized Writers</b>		3
These courses focus on writers and rhetors from groups that have been marginalized, historically and in the present.		
<i>Select one of the following:</i>		
ENG 316	Studies in Human Rights and Literature	
ENG 331	Women in Literature	
ENG 332	English Women Writers before 1800	
ENG 374	Early African American Writers	
ENG 375	Topics in Native American and Indigenous Studies	
ENG 376	African American Writers after the 1920s	
ENG 383	Topics in Queer and Trans Studies	
ENG 379	American Women's Writing	
ENG 431	Feminist Thry / Women Writers	
<b>Theories and Methods</b>		3
In these courses, students develop facility with critical tools for analysis, inquiry, interpretation, and research that they can use to approach many different types of texts.		
<i>Select one of the following:</i>		
ENG 301	Topics in Theory and Method	
ENG 303	Literary Theory	
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
<b>World Literature</b>		3
<i>Select one of the following:</i>		
ENG 201	European Literary Classics: Ancient to Renaissance	
ENG 204	Nonwestern Literary Classics	
ENG 208	Topics in Global Literature	
ENG 209	Topics in Non-Western Literature	
<b>Additional Requirements</b>		6
ENG 321	Linguistics for Teachers	
ENG 322	The Teaching of Writing	
<b>English Elective Requirements *</b>		12
<i>Select 12 additional credits of ENG electives.</i>		
Courses must be taken at the 200-level or above. At least 3 credits of ENG electives must be taken at the 300-level or above, excluding ENG 327.		

\* Courses not used to fulfill core requirements above.

## Secondary Subject Area Licensure Requirements

Besides completing the above courses in English, candidates for teaching licensure must meet additional requirements, including admission to teacher education (end of sophomore year) and to student teaching (junior year), successful completion of Praxis, and course work

outside the English Department. For full current information about all requirements contact the School of Education Office of Student Services at 336-334-3410 and consult the UNC Greensboro Teacher Education Handbook.

**Note:** Admission to teacher education and student teaching in English requires a minimum grade point average of 2.75, overall and in the major.

Code	Title	Credit Hours
<b>Secondary Subject Area Licensure Requirements</b>		
	The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.	27
TED 435	Literacy in the Content Area	
ERM 405	Measurement and Assessment in Teaching	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 451	Teaching Practices and Curriculum in English	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
<i>Strongly Recommended</i>		
LIS 120	Introduction to Instructional Technology for Educational Settings	

## Electives

Select electives sufficient to complete the 120 credit hours required for degree.

## Disciplinary Honors in English

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 9 credits of Honors course work, at least 6 of which must be in English. Honors course work may consist of any combination of the courses listed below:</b>		
ENG 493	Honors Work	9
<i>Contract Honors courses in English at the 300 level or above</i>		
<i>Any other Honors course outside of the English department *</i>		

\* Taken for up to 3 credits.

### Recognition

Students who complete the program will be recognized at a banquet held at the end of the spring semester. The designation "Completed Disciplinary Honors in English" and the title of the Senior Honors Project will be printed on the student's official transcript.

### Honors Advisor

Contact Dr. Karen Weyler at [kaweyler@uncg.edu](mailto:kaweyler@uncg.edu) for further information and guidance about Honors in English. For further information, see the

Honors Programs. To apply: <https://honorscollege.uncg.edu/disciplinary-honors/disciplinary-honors-admissions/>

## Accelerated B.A. to M.A.

The Accelerated BA to MA in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

1. Thesis Plan
2. Teaching Composition Plan
3. Careers in the Humanities Plan

## Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in English. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

### English has the following additional requirements for AMP applicants:

At least 15 credits of undergraduate English courses at the 200 level or above, with an earned 3.5 GPA in these courses.

Standard application requirements for the Master of Arts (M.A.) degree program, excluding GRE scores (i.e., undergraduate transcript(s), three letters of recommendation, statement of purpose, writing sample, and resume or cv).

AMP applicants must complete the Accelerated Master's Program information along with their application for admission to the English M.A. degree program. Students admitted to the AMP program may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements.

### Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30-36 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 18 credits of further graduate-level course work to complete the M.A. degree. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to AMP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved by the Graduate Program Director.

The following courses may be counted toward both the bachelor and master's degrees:

Code	Title	Credit Hours
ENG 549	The Critical Canon and Contemporary Issues	3
ENG 601	English Studies: Content, Methods, and Bibliography	3
ENG 642	Topics in Pre-1800 Literature *	3
ENG 664	Topics in Post-1800 Literature *	3

\* May be repeated twice for credit when topic or instructor varies.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in English will remain the same.

## Advocacy and Public Writing Undergraduate Minor

Advocacy and Public Writing minors have wide choice among courses offered in fulfilling the minimum of 18 credits. They are encouraged, however, to discuss course options with the Director of Undergraduate Studies as early as possible.

### Program Requirements

- 18 credit hours with a minimum of 9 credits at the 300 level or above.

Code	Title	Credit Hours
<b>Required</b>		
ENG 307	Public Advocacy and Argument	18
<i>Select one of the following:</i>		
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
<i>Select four of the following: *</i>		
ENG 219	Journalism I: Fundamentals of Newswriting	
ENG 223	Advocacy Writing	
ENG 230	Writing for the Workplace and Public Audiences	
ENG 240	Health and Wellness in Cultural Context	
ENG 262	Language and Society	
ENG 290	Social Movement and Social Justice Rhetorics	
ENG 304	History and Theory of Rhetoric	
ENG 305	Contemporary Rhetoric	
ENG 306	Digital Rhetoric	
ENG 315	Postcolonial Literatures	
ENG 316	Studies in Human Rights and Literature	
ENG 327	Writing for Professionals and Entrepreneurs	
ENG 363	Topics in Rhetoric and Composition	
ENG 390	Studies in Writing Feedback and Writing Center Theory & Practice	
ENG 401	Internship in Journalism and Editing	
ENG 400	Contemporary Publishing in America	
ENG 402	Internship in English Studies	

ENG 374	Early African American Writers
ENG 375	Topics in Native American and Indigenous Studies
ENG 376	African American Writers after the 1920s
ENG 380	Literature and the Environment
ENG 431	Feminist Thry / Women Writers
CST 210	Communicating Ethically
CST 305	Persuasion in Western Culture
CST 308	Organizational Communication
CST 315	Persuasion and Social Influence
CST 342	Communication and Public Relations: Strategies and Innovations
CST 344	Conflict Communication
CST 406	Speaking Out for Community Change
CST 420	Environmental Communication
CST 440	Reclaiming Democracy: Dialogue, Decision-Making, Community Action
CST 460	Special Topics in Communication Research **

\* Additional English Courses may be included for this category by approval of the Director of Undergraduate Studies.

\*\* With approval of the specific topic by the English Department Director of Undergraduate Studies.

## Creative Writing Undergraduate Minor

Creative Writing minors have a wide choice among courses offered in fulfilling the minimum of 18 credits. They are urged, however, to consult with the Director of Undergraduate Studies as early as possible for help in planning a program.

### Program Requirements

- 18 credit hours as described below. No more than 6 credits at the 100 level and at least 6 credits at the 300 level or above.

Code	Title	Credit Hours
<b>Required</b>		
ENG 221	Writing of Poetry: Introductory	18
ENG 225	Writing of Fiction: Introductory	
<i>Select one of the following</i>		
ENG 106	Introduction to Poetry	
ENG 358	Modern Poetry	
ENG 359	Contemporary Poetry	
<i>Select one of the following</i>		
ENG 105	Introduction to Narrative	
ENG 350	The Twentieth-Century British and Irish Novel	
ENG 351	The American Novel through World War I	
ENG 352	The Twentieth-Century American Novel	
ENG 353	The Contemporary American Novel	
<i>Select one of the following</i>		
ENG 325	Writing of Fiction: Intermediate	
ENG 326	Writing of Poetry: Intermediate	
<i>Select one of the following</i>		

ENG 425	Writing of Fiction: Advanced
ENG 426	Writing of Poetry: Advanced

## English Undergraduate Minor Program Requirements

- Minimum of 18 credit hours.
- 3 credits can be taken at 100-level.
- 15 credits must be taken at 200-level or above.

In this 18 credit minor, students take 12 credits (4 courses) from the 4 categories below. The remaining 6 credits leave room for students to pursue elective courses in a range of topics in literature, rhetoric, and creative writing.

For information on licensure toward a high school English endorsement, fulfilling the English minor requirements, see the Director of English Education.

The courses listed below satisfy foundational general education requirements and do not, therefore, count as part of the credit hours for an English minor.

- ENG 101
- ENG 102
- ENG 103
- ENG 116

Code	Title	Credit Hours
	<b>Big Questions</b>	<b>3</b>

**Big Questions**  
These courses explore how the study of literature and rhetoric addresses significant philosophical, historical, and social issues. Each course will have its own question that will vary depending on the instructor.

*Select one of the following:*

ENG 270	Big Questions in the Humanities and Fine Arts
ENG 271	Big Questions in Health and Wellness
ENG 272	Big Questions in Diversity and Equity
ENG 273	Big Questions in Global Engagement and Intercultural Learning

Historical Depth and Context	3
These courses consider authors, rhetors, and texts in relation to the historical dynamics of their time. Classes may focus on earlier writers and writings, longer spans of time, or offer an in-depth analysis of a particular historical moment.	

*Select one of the following:*

ENG 315	Postcolonial Literatures
ENG 335	Dante in English
ENG 336	Introduction to Chaucer
ENG 337	English Literature to 1500
ENG 339	Shakespeare: Early Plays and Sonnets
ENG 340	Shakespeare: Later Plays
ENG 342	The Seventeenth Century
ENG 343	Topics in Pre-1800 Literature
ENG 344	The Romantic Period
ENG 345	The Victorian Period

ENG 346	British Literature from Victorian to Modern
ENG 351	The American Novel through World War I
ENG 360	The Restoration and the Eighteenth Century
ENG 371	Literary Study of the Bible
ENG 372	Early American Literature
ENG 373	American Romanticism
ENG 377	American Realism and Naturalism
ENG 381	English Drama to 1800

### Marginalized and Minoritized Writers

3

These courses focus on writers and rhetors from groups that have been marginalized, historically and in the present.

*Select one of the following:*

ENG 316	Studies in Human Rights and Literature
ENG 331	Women in Literature
ENG 332	English Women Writers before 1800
ENG 374	Early African American Writers
ENG 375	Topics in Native American and Indigenous Studies
ENG 376	African American Writers after the 1920s
ENG 379	American Women's Writing
ENG 383	Topics in Queer and Trans Studies
ENG 431	Feminist Thry / Women Writers

### Theories and Methods

3

In these courses, students develop facility with critical tools for analysis, inquiry, interpretation, and research that they can use to approach many different types of texts.

*Select one of the following:*

ENG 301	Topics in Theory and Method
ENG 303	Literary Theory
ENG 304	History and Theory of Rhetoric
ENG 305	Contemporary Rhetoric
ENG 306	Digital Rhetoric

### English Elective Requirements

6

*Select 6 additional credits of ENG electives.\**

\* Courses not used to fulfill Minor requirements above. 3 credits can be taken at the 100-level, the other 3 must be at the 200-level or above.

## 3 English Second Academic Concentration

### English Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

The English department offers an 18 credit second academic concentration in English that meets requirements for Elementary Education and Special Education (School of Education) and certain other university programs in education. Consult with your major advisor or with the Director of Undergraduate Studies in English. Education students who are required to complete another approved concentration in a basic academic discipline, must fulfill the following requirements (18 credits) for a second academic concentration in English.

## Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours	
<b>Core Courses</b>		<b>9</b>	
<i>Select three of the following:</i>			
ENG 211	Major British Authors: Medieval to Eighteenth Century		
ENG 212	Major British Authors: Romantic to Modern		
ENG 251	Colonial and U.S. Literature to 1865		
ENG 252	U.S. Literature Civil War to the Present		
<b>Linguistics</b>			
<i>Select one of the following:</i>			
ENG 321	Linguistics for Teachers		
ENG 262	Language and Society		
<b>Electives</b>		<b>6</b>	
<i>Select two electives at the 200 or 300 level for 6 credits</i>			

## English Second Academic Concentration for Special Education: General Curriculum, B.S.

The English department offers an 18 credit second academic concentration in English that meets requirements for Elementary Education and Special Education (School of Education) and certain other university programs in education. Consult with your major advisor or with the Director of Undergraduate Studies in English. Education students who are required to complete another approved concentration in a basic academic discipline, must fulfill the following requirements (18 credits) for a second academic concentration in English.

## Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours	
<b>Core Courses</b>		<b>9</b>	
<i>Select three of the following:</i>			
ENG 211	Major British Authors: Medieval to Eighteenth Century		
ENG 212	Major British Authors: Romantic to Modern		
ENG 251	Colonial and U.S. Literature to 1865		
ENG 252	U.S. Literature Civil War to the Present		
<b>Linguistics</b>			
<i>Select one of the following:</i>			
ENG 321	Linguistics for Teachers		
ENG 262	Language and Society		
<b>Electives</b>		<b>6</b>	
<i>Select two electives at the 200 or 300 level for 6 credits</i>			

## English Second Academic Concentration for Middle Grades Education, B.S.

Middle Grades Education majors must fulfill the following requirements (25 credits) for a second academic concentration in English. Consult

with your major advisor or with the Director of Undergraduate Studies in English.

## Requirements

- Minimum of 25 credit hours

Code	Title	Credit Hours
<b>British Literature</b>		<b>3</b>
<i>Select one of the following:</i>		
ENG 211	Major British Authors: Medieval to Eighteenth Century	
ENG 212	Major British Authors: Romantic to Modern	
ENG 213	Transcultural Literatures: Medieval to Enlightenment	
<b>American Literature</b>		<b>3</b>
ENG 251	Colonial and U.S. Literature to 1865	
or ENG 252	U.S. Literature Civil War to the Present	
<b>Required</b>		
ENG 303	Literary Theory	
ENG 321	Linguistics for Teachers	
ENG 324	Teaching Writing in Elementary and Middle Grades	
ENG 310	Young Adult Literature	
TED 430	Middle Grades Language Arts	

## Creative Writing, M.F.A.

The M.F.A. in Creative Writing, one of the oldest and most prestigious programs of its kind in the nation, is offered to a limited number of students with superior ability in writing original works of poetry or fiction. The program requires 36-48 credit hours and permits students to develop particular talents in small classes and in conferences with writers in residence and distinguished visiting writers. The most talented students are considered for fellowships as well as graduate assistantships. The M.F.A. is a residency program for full-time students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a writing sample by January 1 to be considered for Fall admission.

## Degree Program Requirements

**Required:** 36-48 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (30 credits)</b>		
ENG 625	MFA Fiction Workshop	3
ENG 626	MFA Fiction Workshop	3
ENG 627	MFA Poetry Workshop	3
ENG 628	MFA Poetry Workshop	3
ENG 671	Graduate Tutorial in Writing: Fiction	3
ENG 672	Graduate Tutorial in Writing: Fiction	3
ENG 673	Graduate Tutorial in Writing: Poetry	3
ENG 674	Graduate Tutorial in Writing: Poetry	3
ENG 677	Special Problems in Writing	3

Code	Title	Credit Hours
ENG 678	Special Problems in Writing	3
<b>Elective Academic Courses (12 credits)</b>		
Select a minimum of four courses (12 credits) in a related academic field at the 500, 600, or 700 level *	12	
<b>Comprehensive Examination (Capstone Experience)</b>		
Consult with the Director of the M.F.A. Writing Program about examination dates		
<b>Thesis (6 credits)</b>		
ENG 699	Thesis **	6
<b>Total Credit Hours</b>	<b>48</b>	

\* Usually in English or American literature.

\*\* May be a novel, a collection of short stories, or a volume of poetry.

## Elective Academic Courses

Students may, with permission of the Director of the M.F.A. Writing Program, take 500- and 600-level courses offered by other departments in the College of Arts and Sciences, most often in the departments of Languages, Literatures, and Cultures, Media Studies, and Art.

Students who plan a career in college teaching should take as many courses as possible in literature, criticism, and composition and rhetoric, including ENG 680 Teaching Internships in English.

Students who plan careers in publishing and editing should select courses focusing on contemporary publishing:

Code	Title	Credit Hours
ENG 535	Entrepreneurship and Independent Press Publishing	3
ENG 620	Contemporary Publishing	3
ENG 622	Internship in English	3

## English, M.A.

The M.A. in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

- Thesis Plan
- Teaching Composition Plan
- Plan of Study for Careers in the Humanities

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 1-2 page statement of purpose, a writing sample (less than 30 pages), and a current cv or resume.

## Degree Program Requirements

**Required:** 30-36 credit hours

No more than three courses at the 500 level may be submitted for the degree. All other work must be at the 600 level and above.

### Required Core Courses (24 credits)

ENG 601	English Studies: Content, Methods, and Bibliography	3
Select three literature courses (9 credits)	<sup>1</sup>	9
Select three elective courses (9 credits)	<sup>2</sup>	9
Select one critical theory course (3 credits) from the following:	<sup>3</sup>	3
ENG 549	The Critical Canon and Contemporary Issues	
ENG 650	Modern Literary and Cultural Theory	

### Alternative Plans of Study (6 or 12 credits)

Select one plan from the following:	6
<i>Thesis Plan (6 credits)</i>	
<i>Teaching Composition Plan (12 credits)</i>	
<i>Plan of Study for Careers in the Humanities (12 credits)</i>	

### Total Credit Hours

30-36

<sup>1</sup> Including one before 1800 and one after 1800.

<sup>2</sup> Normally in English or American literature.

<sup>3</sup> Or from special topics courses approved in advance by the Graduate Program Director.

## Alternative Plans of Study

### Thesis Plan

A total of 30 credits is required for the degree; the 24-credit core plus 6 thesis credits.

Code	Title	Credit Hours
ENG 699		6

M.A. students in the thesis plan must demonstrate reading knowledge of a foreign language. A level of proficiency in one foreign language, equivalent to completion of the first semester of an intermediate course (such as 203 at UNC Greensboro), must be documented either by previous course work completed during the last five years and approved by the Graduate Program Director, or by course work while enrolled in the M.A. program, or by an appropriate score on a written examination. Because of the language requirement, a minimum of credits is required for the degree: 24 core credits and 6 thesis credits. Native speakers of other languages can demonstrate foreign language proficiency through their graduate course work in English. Students in the M.A. Doctoral Track will ultimately have to fulfill the foreign language requirement for the Ph.D.

Students who have been admitted into the Ph.D. program and/or who have the permission of their thesis committee and the Graduate Program Director may elect to write a two-paper thesis instead of the traditional single-topic thesis. Recommended for those students for whom the M.A. will not be the terminal degree, the two-paper thesis will consist of two graduate papers expanded and revised to publishable quality.

### Teaching Composition Plan

A total of 36 credits is required for the degree; the 24-credit core plus 12 credits distributed as follows:

Code	Title	Credit Hours
ENG 680	Teaching Internships in English *	3
Select 3 elective courses (9 credits) in rhetoric and composition or language and linguistics from the following:	**	9
ENG 513	History of the English Language	
ENG 522	Teaching Composition: Theories and Applications	
ENG 688	Women's Rhetoric and Feminist Pedagogy	
ENG 690	History of Rhetoric: Classical through Renaissance	
ENG 691	History of Rhetoric: Enlightenment through Contemporary	
ENG 742	Studies in Rhetorical Theory and Practice	
ENG 744	Seminar in Composition Studies	
ENG 746	Studies in Contemporary Rhetorical Theory	

\* Capstone Experience.

\*\* Or special topics courses approved in advance by the Graduate Program Director.

### Plan of Study for Careers in the Humanities

A total of 36 credits is required for the degree; the 24-credit core plus 12 credits distributed as follows:

Code	Title	Credit Hours
ENG 680	Teaching Internships in English *	3
or ENG 622	Internship in English	
Select 3 courses (9 credits) in a minor or collateral field		9

\* Capstone Experience. ENG 622 with approval in advance from the Graduate Program Director.

## Accelerated B.A. to M.A. in English

The Accelerated B.A. to M.A. in English requires 30-36 credit hours and is designed for those planning to pursue a doctorate; to teach in community colleges, technical institutes, or some undergraduate colleges; and to work in non-academic settings. Three plans of study beyond the core requirements are offered:

1. Thesis Plan
2. Teaching Composition Plan
3. Careers in the Humanities Plan

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in English. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

### English has the following additional requirements for AMP applicants:

At least 15 credits of undergraduate English courses at the 200 level or above, with an earned 3.5 GPA in these courses.

Standard application requirements for the Master of Arts (M.A.) degree program, excluding GRE scores (i.e., undergraduate transcript(s), three

letters of recommendation, statement of purpose, writing sample, and resume or cv).

AMP applicants must complete the Accelerated Master's Program information along with their application for admission to the English M.A. degree program. Students admitted to the AMP program may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements.

### Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.A. degree requires 30-36 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 18 credits of further graduate-level course work to complete the M.A. degree. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses have been identified as those that may be counted toward the B.A. and M.A. degrees. These courses have been chosen because they are well suited to AMP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.A. degree must be approved by the Graduate Program Director.

The following courses may be counted toward both the bachelor and master's degrees:

Code	Title	Credit Hours
ENG 549	The Critical Canon and Contemporary Issues	3
ENG 601	English Studies: Content, Methods, and Bibliography	3
ENG 642	Topics in Pre-1800 Literature *	3
ENG 664	Topics in Post-1800 Literature *	3

\* May be repeated twice for credit when topic or instructor varies.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in English will remain the same.

## M.A. Doctoral Track

Individuals intending to continue on to doctoral studies in English at UNC Greensboro may apply to the M.A. Doctoral Track which offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only.

# English, Ph.D.

The Ph.D. in English requires 42-48 credit hours and is offered to superior applicants who are preparing for careers in teaching and research in colleges and universities. The program permits specialization in literary studies or rhetoric and composition in small classes and a format conducive to individualized instruction. Full-time doctoral students may be appointed as teaching assistants in the department. The most talented students are recommended for fellowships.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 1-2 page statement of purpose, a writing sample (less than 30 pages), and a current cv or resume.

## Ph.D. Track

Students who enter with an M.A. in English are required to earn a minimum of 27 credit hours, fulfill the foreign language requirement, pass the preliminary comprehensive examination, and successfully defend their dissertations. Students entering with other advanced degrees will have their transcripts individually evaluated by the Graduate Program Director to establish the minimum course work required.

## M.A. Doctoral Track

Individuals intending to continue on to doctoral studies in English at UNC Greensboro may apply to the M.A. Doctoral Track which offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only.

## Degree Program Requirements

**Required:** 42-48 credit hours

No more than three courses at the 500 level may be submitted for the degree. All other work must be at the 600 level and above.

### Required Core Courses (9-12 credits)

All students have three course requirements in their doctoral program, and all are taken as a part of the 27-credit plan of study. The course requirements are based on the student's declared primary area of specialization from the following options:

#### Area of Specialization

- Old and Middle English Literature
- Renaissance/Early Modern Literature
- Restoration and Eighteenth-Century Literature
- Nineteenth-Century British Literature
- Post-1900 British and Anglophone Literature
- Postcolonial and World Literatures and Theory
- American Literature Before 1900
- American Literature After 1900
- Native American Literature
- African American Literature

- History and Theory of Rhetoric
- History and Theory of Writing Studies
- Literary Theory

If a student's specialization is in literature before 1800, the course requirements are:

- 2 courses in literature after 1800
- 1 course in rhetoric, writing studies, or literary theory

If a student's specialization is in literature after 1800, the course requirements are:

- 2 courses in literature before 1800
- 1 course in rhetoric, writing studies, or literary theory

If a student's specialization is in history and theory of rhetoric, the course requirements are:

- 1 course in literature
- 1 course in language (ENG 513), literacy (ENG 590 [inactive]), research (ENG 601, ENG 602), or publishing (ENG 620, ENG 621 [inactive]), or an additional literature course.
- 1 course in literary theory

If a student's specialization is in history and theory of writing studies, the course requirements are:

- 1 course in literature
- 1 course in language (ENG 513), literacy (ENG 590 [inactive]), research (ENG 601, ENG 602), or publishing (ENG 620, ENG 621 [inactive]), or an additional literature course.
- 1 course in literary theory

If a student's specialization is in literary theory, the course requirements are:

- 1 course in literature before 1800
- 1 course in literature after 1800
- 1 course in rhetoric or writing studies

In addition, all graduate teaching assistants are required to take ENG 747 Teaching College Writing. This course does not fulfill a doctoral course requirement but may be included in the plan of study.

### Electives (15-18 credits)

For the remaining credits of electives, students should choose from the graduate offerings that will help them specialize in their primary and secondary areas in English and in supporting fields. These courses, selected in consultation with the Graduate Program Director and the student's advisory committee, should form a coherent plan to prepare the student in the areas of specialization.

### Dissertation (15-21 credits)

Code	Title	Credit Hours
ENG 799	Dissertation	15-21

A dissertation demonstrates ability to do original research and to present this investigation in an orderly, exact, and complete manner.

## Minor in a Supporting Field

With the approval of the student's advisory/dissertation committee and the Graduate Program Director, students may use their electives and additional courses toward achieving a minor in certain supporting fields outside of English. A minor consists of at least 12 credits of advanced work in a single cognate subject. All course work applied toward the minor must be approved by the Graduate Program Director.

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Foreign Language Requirement
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

# Geography, Environment, and Sustainability

College of Arts and Sciences

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Dan Royall, Department Head

Selima Sultana, Associate Department Head

Jay Lennartson, Director of Undergraduate Studies

Rick Bunch, Graduate Program Director

Aaron S. Allen, Director of Environment and Sustainability Program

## Mission Statement

The mission of the Department of Geography, Environment, and Sustainability is to advance understanding of the interconnected natural and human worlds through our interdisciplinary research, teaching, and service. GES is a student-centered department with a commitment to rigorous classroom instruction and providing opportunities for field-based inquiry. Our faculty are leaders in their fields who translate their expertise into cutting-edge applied and theoretical teaching and research in our undergraduate, masters and doctoral programs. We prepare students for a wide range of careers and advanced research fields including sustainability, physical geography, urban planning, Geographic Information Science (GISc), and environmental fields.

GES believes that our work can and should contribute to a more just, equitable, and sustainable world. We affirm UNC Greensboro's commitment to equal opportunity in education and employment for all persons and actively seek to increase representation from historically underrepresented groups. We acknowledge that fields of study represented in GES historically have struggled to attract students and faculty from diverse backgrounds and that the current makeup of GES does not mirror the diversity of UNC Greensboro. We therefore seek to create spaces that are welcoming of diversity in many forms, including race, religion, gender identity, sexual orientation, geographic origin, immigration status, socioeconomic background, political beliefs, veteran status, disability, family status, and age.

## About

The Department of Geography, Environment, and Sustainability offers curricula with three principal objectives: to promote the understanding of the locational dimensions of human behavior in their environmental context; to offer courses of study through which concepts and methods are applied to understanding economic, environmental, and social problems at the local, regional, and global scales; and to promote sustainability through the interconnected lenses of social equity, the environment, economy, and aesthetics. Thus, the Department contributes an important dimension to the university student's liberal education and provides practical training in important contemporary areas of concern as well as the background appropriate for certain vocations.

Graduates of geography programs have found careers in business and industry, in urban and regional planning agencies, in departments of federal and state governments, and in teaching. Job titles include city or regional planner, cartographer, demographer, resource analyst, land or economic developer, location analyst, and teacher. Many graduates find that an undergraduate degree in geography is an excellent foundation for

advanced graduate work or professional training in planning, business, or law.

Graduates of environmental and sustainability programs go on to careers in non-profits, government, and the private sector as well as to graduate studies in a variety of disciplines. Career paths are numerous and include advocacy, agriculture, business, design, education, enforcement, journalism, law, nature and land protection, organizing for social and environmental justice, tourism and recreation, etc. Our students come from diverse backgrounds, participate regularly in internships and study abroad, and benefit from personalized advising.

Special facilities of the department include fully equipped laboratories in computer cartography, geographic information systems, remote sensing, and physical geography. The Department has led annual credit-bearing field courses since the early 1980s.

## Graduate Programs

The Department of Geography, Environment, and Sustainability offers a M.A. in Applied Geography, a M.S. in Environment and Sustainability, a Ph.D. in Geography, a Post-Baccalaureate Certificate in Climate Justice, a Post-Baccalaureate Certificate in Conservation, Post-Baccalaureate Certificate in Environmental Humanities, a Post-Baccalaureate Certificate in Global and Regional Studies Geography, and a Post-Baccalaureate Certificate in Sustainability. The department also offers a Post-Baccalaureate Certificate in Urban and Economic Development jointly with the Department of Political Science; for more information, see the program page (p. 467). The programs focus on the application of theory and methods in geography toward the understanding of problems related to economic development, environmental quality, population change, and social well-being in urban, rural, regional, and international contexts.

## Environment and Sustainability Program

Aaron S. Allen, Director and Honors Program Liaison

The Environment & Sustainability Program is an interdisciplinary program that fosters understanding of the relationships between human societies and the natural, physical, and biological settings in which life on Earth exists. Our graduate degree (M.S.), two undergraduate majors (B.A.), and two minors all integrate perspectives of the natural sciences, social sciences, and arts and humanities.

The program degrees build on the unique definition of sustainability at UNC Greensboro (<http://sustainability.uncg.edu>), where "Academics, operations, and outreach are conducted with careful attention to the enduring interconnectedness of social equity, the environment, the economy, and aesthetics." Our degrees require electives in each of those four areas: natural sciences, equity and society, development and economics, and ethics and aesthetics.

Students work with diverse faculty and staff from across campus and community (1) to learn how to gather and integrate information about environmental and sustainability problems from multiple disciplines, (2) to think critically about the causes of environmental and sustainability problems, (3) to propose effective solutions and evaluate their strengths and weaknesses, and (4) to communicate their ideas clearly. Our students come from a variety of backgrounds and are eligible for internships and study abroad, and all receive expert advising from program faculty. Graduates will be well prepared for roles as educated citizens who are especially well informed about the environment and for numerous career

paths that require a broad range of knowledge about environmental and sustainability issues.

#### **Professor**

Rick L. Bunch<sup>G</sup>  
 Keith G. Debbage<sup>G</sup>  
 Corey Michael Johnson<sup>G</sup>  
 Paul A. Knapp<sup>G</sup>  
 Jeffrey C. Patton<sup>G</sup>  
 Dan Royall<sup>G</sup>  
 Selima Sultana<sup>G</sup>

#### **Associate Professor**

Zhi-Jun Liu<sup>G</sup>  
 Sarah J Praskievicz<sup>G</sup>

#### **Academic Professional Associate Professor**

James A. Nelson<sup>G</sup>

#### **Assistant Professor**

Wenliang Li<sup>G</sup>  
 John G. Stehlin<sup>G</sup>

#### **Academic Professional Assistant Professor**

Plaxedes Chitiyo<sup>G</sup>

#### **Senior Lecturer**

Mary Bee Hall-Brown<sup>G</sup>  
 G.Jay Lennartson<sup>G</sup>

#### **Lecturer**

Shanna N Eller  
 Shaleen A Miller

*G Graduate-level faculty*

### **Jointly-Appointed Faculty**

Aaron S. Allen<sup>G</sup>, Associate Professor (jointly appointed with the School of Music (p. 517)) and Director of Environment and Sustainability Program

- Environment and Sustainability, B.A. (p. 354)
- Geography, B.A. (p. 358)
- Geography, Secondary Education, B.A. (p. 360)
- Geography, B.S. (p. 361)
- Climate Justice Undergraduate Minor (p. 364)
- Digital Earth Technologies Undergraduate Minor (p. 364)
- Environment Undergraduate Minor (p. 364)
- Geography Undergraduate Minor (p. 366)
- Sustainability Undergraduate Minor (p. 367)
- Geography Second Academic Concentration (p. 368)
- Applied Geography, M.A. (p. 369)
- Sustainability and Environment, M.S. (p. 371)
- Geography, Ph.D. (p. 372)
- Climate Justice, Post-Baccalaureate Certificate (p. 372)
- Conservation, Post-Baccalaureate Certificate (p. 373)
- Digital Earth Technologies, Post-Baccalaureate Certificate (p. 373)
- Environmental Humanities, Post-Baccalaureate Certificate (p. 374)

- Global Societies and Governance, Post-Baccalaureate Certificate (p. 374)
- Sustainability, Post-Baccalaureate Certificate (p. 375)

## **Environment and Sustainability, B.A.**

Students in the undergraduate B.A. in Environment and Sustainability work with diverse faculty and staff from across the campus and community in addition to their time in Departmental classes. The aims of this interdisciplinary program are (1) to learn how to gather and integrate information about environmental and sustainability problems from multiple disciplines, (2) to think critically about the causes of environmental and sustainability problems, (3) to propose effective and equitable solutions and evaluate their strengths and weaknesses, and (4) to communicate ideas clearly.

Students in the Program come from a variety of backgrounds, both culturally and disciplinarily, and participate regularly in internships and study abroad through Departmental and extramural offerings. Our classes require students to engage in field work as well as experiential learning. Every major receives the benefit of in-depth personalized advising every semester from permanent faculty who have received honors for their work in mentoring students.

Graduates will be well prepared for roles as educated citizens who are especially well informed about the environment and for numerous career paths that require a broad range of knowledge about environmental and sustainability issues. In addition to interdisciplinary core courses, the curriculum requires courses in biology, chemistry, geography, and philosophy, and students may elect to take courses in other disciplines, ranging from anthropology and sociology, to art and English, and to the physical sciences. Graduates of environmental and sustainability programs go on to careers in non-profits, government, and the private sector, as well as to graduate studies in a variety of disciplines.

### **Overall Requirements**

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A minimum of 69 credits toward the major, comprised of core courses (41 credits) and concentration-specific options (at least 28 credits).
- Only grades of C- or higher will count toward completion of the required core courses in the major as well as BIO 105/BIO 105L, BIO 111/BIO 111L, and BIO 112/BIO 112L used toward completion of the concentration requirements.

### **Degree Program Requirements**

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

### **Major Requirements**

Code	Title	Credit Hours
<b>Core Courses</b>		41
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	

*Geography, Environment, and Sustainability*

GES 162	Introduction to Environment & Sustainability
GES 164	Introduction to Environment
GES 270	Environment and Experience
GES 325	Introduction to Spatial Analysis
GES 482	Topics in Ethics and Aesthetics
GES 484	Topics in Development and Economics
GES 486	Topics in Equity and Society
GES 488	Topics in Environmental Sciences
<i>Chemistry</i>	
CHE 252	Chemistry and the Human Environment
<i>Mathematics</i>	
MAT 183	Mathematics for the Life Sciences
<i>Philosophy</i>	
PHI 363	Environmental Ethics
<i>Select 3 credits from the following GES courses:</i>	
GES 260	Sustainable Campus Operations
GES 367	Research in Environment & Sustainability
GES 462	Sustainability
GES 464	Environment

## Concentrations

Students must select one of the concentrations as detailed following the major requirements.

- Natural Sciences
- Equity, Development, and Ethics

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Natural Sciences Concentration Requirements

In addition to the required 30 credits specified below, all students in the Natural Sciences concentration are required to have a minor in Biology. All courses in the Biology minor already on the Environmental Science Options and Elective lists below will count toward the requirements for the Natural Sciences concentration.

Code	Title	Credit Hours
<b>Biology</b>		8
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory *	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory *	
<b>Environmental Science</b>		13
<i>Select 13 credits from the following:</i>		
BIO 301	Principles of Ecology	
BIO 315	Ecology and Evolution Laboratory	
BIO 361	Biology and Conservation of Sea Turtles	
BIO 401	Adv Topics in Animal Ecology	
BIO 410	Advanced Tpcs in Plant Ecology	
BIO 420	Marine Biology	
BIO 421	Ecosys Ecogy Biogeochem	
BIO 422	Plant Diversity	
BIO 426	Conservation Biology	

BIO 427 & BIO 423	Landscape Ecology and Landscape Ecology Laboratory
BIO 429 & BIO 432	Aquatic Ecology and Aquatic Ecology Laboratory
BIO 431	The Biosphere
BIO 438	Animal Behavior
BIO 441	Invertebrate Zoology
BIO 444	Entomology
BIO 445	Disease Ecology
BIO 451 & 451L	Vascular Plant Systematics and Vascular Plant Systematics Lab
BIO 456	Global Change
BIO 470	Vertebrate Zoology
BIO 480	Environmental Physiology
BIO 488	Essentials of Toxicology
CHE 205	Introductory Organic Chemistry
CHE 331	Quantitative Analysis
CHE 351	Organic Chemistry I
CHE 352	Organic Chemistry II
GES 305	Environmental Hazards Assessment
GES 312	Geomorphology of North America
GES 313	Natural Resource Regions of North America
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory
GES 319 & 319L	Weather and Climate and Climatology Laboratory
GES 328	The Water Planet
GES 330	Elements of Hydrology
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
GES 418	Biogeography
GES 419	Advanced Weather and Climate-Synoptic Climatology

**Equity and Society** 3

<i>Select 3 credits from the following:</i>	
ATY 362	Methods in Cultural Anthropology
ATY 377	Disaster, Self, and Society
ATY 420	Economic Anthropology
ATY 426	Food and Culture in a Global Context
ATY 450	Environmental Anthropology
ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)
ATY 465	Medical Anthropology
ATY 469	Anthropology of Infectious Disease
CTR 444	Recreation, Parks, and Health
GES 302	Urban Geography: Sustainable Land Use
GES 303	World Population Problems
GES 304	Sustainable Transport and Mobility
GES 322	Research Methods in Spatial Science
GES 331	Sustainable Tourism and Transportation
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment
GES 405	Sustainable Regional Planning

GES 415	National Parks and Protected Areas	
GES 432	Geography of Livable Cities	
HEA 307	Global Health	
HEA 315	Epidemiology	
HEA 316	Environmental Health	
HIS 319	Sugar, Soccer, Samba: History of Brazil	
HIS 323	American Indians and Nature	
HIS 334	United States Environmental History	
PCS 406	Environmental Justice	
PSC 312	Environmental Law and Policy	
PSC 313	Natural Resources Law and Policy	
SOC 328	Social Movements	
SOC 330	Urban Society	
SOC 346	Population Problems	
SOC 370	Environmental Sociology	
SOC 373	Green Criminology	
SOC 377	Disaster, Self, and Society	
SOC 421	Sem in Populatn / Urbn Studies	
<b>Development and Economics</b>		<b>3</b>
<i>Select 3 credits from the following:</i>		
BUS 130	Entrepreneurship in a Sustainable Global Environment	
BUS 340	Social Entrepreneurship	
ECO 100	Economics of a Global Sustainable Society	
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis	
ENT 440	Experiences in Sustainable Entrepreneurship	
HTM 200	Introduction to Sustainable Development	
HTM 312	Hospitality Facilities Management	
HTM 314	Sustainable Food and Craft Beverage	
HTM 332	Sustainable Destination and Experience Management	
HTM 335	Sustainable Tourism and Transportation	
<b>Ethics and Aesthetics</b>		<b>3</b>
<i>Select 3 credits from the following:</i>		
ARE 260	Art, Education, and Social Practice	
ARH 359	Art and/as Social Justice	
CST 420	Environmental Communication	
ENG 290	Social Movement and Social Justice Rhetorics	
ENG 373	American Romanticism	
ENG 380	Literature and the Environment	
IAR 124	Introduction to Sustainable Design	
LLC 130	Global Green: Cultures of Production and/or Consumption	
MUS 326	Music and Environment	
PHI 261	Ethical Issues in Business	
PHI 322	Philosophy of the Arts	
PHI 338	Ethics and International Affairs	
REL 250	Religious Traditions and Care of the Earth	
VPA 324	The Arts as Social Change: Theory and Practice	
WGS 374	Ecofeminism	
WGS 375	Topics in Native American and Indigenous Studies	

\* A grade of C- or higher is required in BIO 111/BIO 111L and BIO 112/BIO 112L.

## **Equity, Development, & Ethics Concentration Requirements**

Code	Title	Credit Hours
<b>Biology</b>		
<i>Select 4 credits of the following, with a minimum grade of C- in both lecture and lab:</i>		
BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory *	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory *	
<b>Environmental Science</b>		<b>3</b>
<i>Select 3 credits from the following:</i>		
BIO 301	Principles of Ecology	
BIO 315	Ecology and Evolution Laboratory	
BIO 361	Biology and Conservation of Sea Turtles	
BIO 401	Adv Topics in Animal Ecology	
BIO 410	Advanced Tpcs in Plant Ecology	
BIO 420	Marine Biology	
BIO 421	Ecosys Ecogy Biogeochem	
BIO 422	Plant Diversity	
BIO 426	Conservation Biology	
BIO 427 & BIO 423	Landscape Ecology and Landscape Ecology Laboratory	
BIO 429 & BIO 432	Aquatic Ecology and Aquatic Ecology Laboratory	
BIO 431	The Biosphere	
BIO 438	Animal Behavior	
BIO 441	Invertebrate Zoology	
BIO 444	Entomology	
BIO 445	Disease Ecology	
BIO 451 & 451L	Vascular Plant Systematics and Vascular Plant Systematics Lab	
BIO 456	Global Change	
BIO 470	Vertebrate Zoology	
BIO 480	Environmental Physiology	
BIO 488	Essentials of Toxicology	
CHE 205	Introductory Organic Chemistry	
CHE 331	Quantitative Analysis	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 313	Natural Resource Regions of North America	
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory	
GES 319 & 319L	Weather and Climate and Climatology Laboratory	
GES 328	The Water Planet	
GES 330	Elements of Hydrology	

GES 358	Geographic Information Systems	HTM 312	Hospitality Facilities Management
GES 359	Remote Sensing of Environment	HTM 314	Sustainable Food and Craft Beverage
GES 418	Biogeography	HTM 332	Sustainable Destination and Experience Management
GES 419	Advanced Weather and Climate-Synoptic Climatology	HTM 335	Sustainable Tourism and Transportation
<b>Equity and Society</b>		<b>6</b>	<b>Ethics and Aesthetics</b>
<i>Select 6 credits from the following:</i>		<i>Select 6 credits from the following:</i>	
ATY 362	Methods in Cultural Anthropology	ARE 260	Art, Education, and Social Practice
ATY 377	Disaster, Self, and Society	ARH 359	Art and/as Social Justice
ATY 420	Economic Anthropology	CST 420	Environmental Communication
ATY 426	Food and Culture in a Global Context	ENG 290	Social Movement and Social Justice Rhetorics
ATY 450	Environmental Anthropology	ENG 373	American Romanticism
ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)	ENG 380	Literature and the Environment
ATY 465	Medical Anthropology	IAR 124	Introduction to Sustainable Design
ATY 469	Anthropology of Infectious Disease	LLC 130	Global Green: Cultures of Production and/or Consumption
CTR 444	Recreation, Parks, and Health	MUS 326	Music and Environment
GES 302	Urban Geography: Sustainable Land Use	PHI 261	Ethical Issues in Business
GES 303	World Population Problems	PHI 322	Philosophy of the Arts
GES 304	Sustainable Transport and Mobility	PHI 338	Ethics and International Affairs
GES 322	Research Methods in Spatial Science	REL 250	Religious Traditions and Care of the Earth
GES 331	Sustainable Tourism and Transportation	VPA 324	The Arts as Social Change: Theory and Practice
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment	WGS 374	Ecofeminism
GES 405	Sustainable Regional Planning	WGS 375	Topics in Native American and Indigenous Studies
GES 415	National Parks and Protected Areas	<b>Free Electives</b>	<b>3</b>
GES 432	Geography of Livable Cities	<i>Select 3 credits from the following:</i>	
HEA 307	Global Health	ATY 113	Engaging Culture
HEA 315	Epidemiology	ATY 153 & 153L	The Human Species and The Human Species: Laboratory
HEA 316	Environmental Health	BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory *
HIS 319	Sugar, Soccer, Samba: History of Brazil	BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory *
HIS 323	American Indians and Nature	BIO 497	Internship in Biology
HIS 334	United States Environmental History	ECO 201	Principles of Microeconomics
PCS 406	Environmental Justice	ECO 202	Principles of Macroeconomics
PSC 312	Environmental Law and Policy	ECO 300	The International Economy
PSC 313	Natural Resources Law and Policy	ELC 375	Philosophy of Education
SOC 328	Social Movements	ENG 307	Public Advocacy and Argument
SOC 330	Urban Society	ENG 327	Writing for Professionals and Entrepreneurs
SOC 346	Population Problems	ENT 206	Start Something Globally Sustainable!
SOC 370	Environmental Sociology	GES 163	North Carolina Environments
SOC 373	Green Criminology	GES 205	Environmental Change: Its Nature and Impact
SOC 377	Disaster, Self, and Society	GES 366	Internship in Environment & Sustainability
SOC 421	Sem in Populatn / Urbn Studies	GES 368	Individual Study in Environment & Sustainability
<b>Development and Economics</b>		GES 450	Applied Physical Geography
<i>Select 6 credits from the following:</i>		GES 451	Seminar in Regional Geography
BUS 130	Entrepreneurship in a Sustainable Global Environment	GES 493	Honors Work
BUS 340	Social Entrepreneurship	HTM 201	Corporate Social Responsibility and Change Management
ECO 100	Economics of a Global Sustainable Society	IAR 221	History and Theory of Design I
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis	IAR 222	History and Theory of Design II
ENT 440	Experiences in Sustainable Entrepreneurship	NTR 103	Introduction to Food Science
HTM 200	Introduction to Sustainable Development		

PHY 205 & 205L	Conceptual Physics and Conceptual Physics Laboratory
PSC 210	Introduction to Health Policies
SOC 202	Social Problems in Global Context

- \* A grade of C- or higher is required in BIO 105/BIO 105L, BIO 111/BIO 111L, and BIO 112/BIO 112L.

## Disciplinary Honors in Environment and Sustainability

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3-6</b>
HSS 490	Senior Honors Project or GES 493 Honors Work	
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Environment and Sustainability Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Aaron Allen at [asallen@uncg.edu](mailto:asallen@uncg.edu) for further information and guidance about Honors in Environment and Sustainability Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Geography, B.A.

Students may elect a general geography major or they may complete additional courses for a concentration in Urban Planning, Earth Science, or Geographic Information Science. Students may also complete a major in Geography with Social Studies High School Teaching Licensure.

## Student Learning Goals

Students completing this major are expected to demonstrate a basic competence in earth science, human geography, and regional geography. In addition, they are expected to be able to successfully investigate geographic problems using the current research techniques and methodologies of the discipline and to clearly and effectively express their findings in both written and oral form.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A minimum of 27 credits in geography above the 100 level. Only grades of C- or higher will count toward completion of the major and concentrations.
- No more than 6 credit hours from GES courses numbered 160-170, 260-289, 360-399, 460-489 may be applied to the major.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Geographic Techniques</b>		<b>3</b>
<i>Select one of the following:</i>		
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Spatial Science	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
<b>Earth Science</b>		<b>3-4</b>
<i>Select one option of the following:</i>		
Option A:		
GES 108	Our Dynamic Planet	
Option B:		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	
<b>Human Geography</b>		<b>3</b>
<i>Select one of the following:</i>		
GES 105	Introduction to Human Geography	
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 304	Sustainable Transport and Mobility	
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
<b>Regional Geography</b>		<b>3</b>
<i>Select one of the following:</i>		
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 313	Natural Resource Regions of North America	
GES 333	Geography of Europe	
GES 340	Geography of East Asia	
GES 344	Geography of the United States and Canada	
GES 491	Current Topics in Regional Geography	
GES 451	Seminar in Regional Geography	

## Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Earth Science
- Geographic Information Science
- Urban Planning

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Earth Science Concentration Requirements

A central theme of geography is human interaction with the earth's physical environment. This concentration permits students to apply the basic scientific principles of physical geography, cartography, and natural resource analysis to the problem of ensuring a high quality of life through maintenance of the natural processes that support human existence. This concentration also provides training to enhance the employment opportunities of students with a strong interest in environmental assessment and resource evaluation.

Code	Title	Credit Hours
<b>Additional Concentration Requirements</b>		
GES 319 & 319L	Weather and Climate and Climatology Laboratory	23
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory	
<i>Select a minimum of five courses from the following:</i>		
GES 205	Environmental Change: Its Nature and Impact	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 330	Elements of Hydrology	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 418	Biogeography	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
GES 457	Advanced Cartography	
GES 459	Advanced Remote Sensing-Imaging	
GES 450	Applied Physical Geography	

### Geographic Information Science Concentration Requirements

Students with this concentration will develop skills in using maps, geospatial computer programs, and remotely sensed images to answer geographic questions relevant to land use planning, urban development, geomorphic or biogeographic processes, or environmental impact assessment. A capstone course (GES 421), which includes a faculty-directed major project, is completed in the final semester.

Code	Title	Credit Hours
<b>Additional Concentration Requirements</b>		
<i>Required</i>		
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	15
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
<i>Select at least one of the following:</i>		
GES 457	Advanced Cartography	

GES 459	Advanced Remote Sensing-Imaging
GES 421	Geographic Information Science *

\* Taken after the completion of the other Additional Concentration Requirements.

### Urban Planning Concentration Requirements

The inter-regional shift of people and jobs in the United States and elsewhere over the past decades coupled with the movement away from large central cities has increased the need for formal urban and regional planning. Planners are needed in the private sector as well as in state and local governments to provide the appropriate kinds of economic and community development that will ensure a high quality of life in both developed and developing countries. In a growth region like the Southeast, geographers with a planning background are in increasing demand

Code	Title	Credit Hours
<b>Additional Concentration Requirements</b>		
GES 105	Introduction to Human Geography	24
GES 301	Cities of the World	
GES 306	World Economic Geography	
<i>Select five courses from the following:</i>		
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 304	Sustainable Transport and Mobility	
GES 320	Tourism Planning and Development	
GES 322	Research Methods in Spatial Science	
GES 331	Sustainable Tourism and Transportation	
GES 344	Geography of the United States and Canada	
GES 357	Principles of Cartography	
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	

## Geography as a Second Major

- Minimum of 27 credit hours

A student may obtain a second major in geography along with any other major. The student should take 27 credits, including four core courses listed above for the Geography Major. Students considering this option should consult a faculty member in the department.

### Disciplinary Honors in Geography

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3-6
or GES 493	Honors Work	

<b>6 credits of Honors course work in the major</b>	
<b>3 credits of Honors course work in the major or another area</b>	<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Geography; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Jay Lennartson at gjlennar@uncg.edu for further information and guidance about Honors Geography. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.A. to M.A. in Applied Geography

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. in Geography may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must complete the Accelerated Master's Program information along with their application for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work from the following course list toward completion of both the undergraduate and graduate degree, provided they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the B.A. and M.A. degree in Geography remain the same.

## Geography, Secondary Education, B.A.

### Student Learning Goals

Students completing this major are expected to demonstrate a basic competence in earth science, human geography, and regional geography.

- 6** In addition, they are expected to be able to successfully investigate geographic problems using the current research techniques and methodologies of the discipline and to clearly and effectively express their findings in both written and oral form.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A minimum of 27 credits in geography above the 100 level. Only grades of C- or higher will count toward completion of the major and concentrations.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
	<b>Core Courses</b>	<b>12-14</b>
	<i>Geographic Techniques</i>	
	Select one of the following:	
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	
GES 322	Research Methods in Spatial Science	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
	<i>Earth Science</i>	
	Select one option of the following:	
	<i>Option A:</i>	
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	
	<i>Option B:</i>	
GES 106		
	<i>Human Geography</i>	
	Select one of the following:	
GES 105	Introduction to Human Geography	
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
	<i>Regional Geography</i>	
	Select one of the following:	
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 344	Geography of the United States and Canada	

Code	Title	Credit Hours
	<b>Teacher Licensure Requirements</b>	<b>18</b>
ECO 201	Principles of Microeconomics	

or ECO 202 Principles of Macroeconomics	
HIS 308	Navigating World History
HIS 316	Interpreting American History
HIS 430	Historical Methods for Social Studies Teachers
HIS 440	Principles and Practices for Teaching History
<i>Select one additional 300-level history course</i>	

Code	Title	Credit Hours
<b>Secondary Subject Area Licensure Requirements</b>		
TED 435	Literacy in the Content Area	27
ERM 405	Measurement and Assessment in Teaching	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 453	Teaching Practices and Curriculum in Social Studies	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
<i>Strongly Recommended</i>		
LIS 120	Introduction to Instructional Technology for Educational Settings	

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

## Geography as a Second Major

- Minimum of 27 credit hours

A student may obtain a second major in geography along with any other major. The student should take 27 credits, including four core courses listed above for the Geography Major. Students considering this option should consult a faculty member in the department.

Disciplinary Honors in Geography

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3-6
or GES 493	Honors Work	
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Geography; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Jay Lennartson at gjlennar@uncg.edu for further information and guidance about Honors Geography. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. in Geography may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must complete the Accelerated Master's Program information along with their application for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work from the following course list toward completion of both the undergraduate and graduate degree, provided they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the B.A. and M.A. degree in Geography remain the same.

## Geography, B.S. Overall Requirements

- 120 credit hours, to include a minimum of 36 credits at or above the 300 course level
- 64-78 credits from the major plus electives, with 12-24 credit hours of electives in each concentration.
- A minimum of 27 credits in geography above the 100 level. Only grades of C- or higher in GES courses will count toward completion of the major and concentrations.
- No more than 6 credit hours from GES courses numbered 160-170, 260- 289, 360-399, 460-489 may be applied to the major.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Earth Science
- Geographic Information Science (GIS)
- Urban Planning

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Earth Science Concentration Requirements

A central theme of geography is human interaction with the earth's physical environment. This concentration permits students to apply the basic scientific principles of physical geography, cartography, and natural resource analysis to the problem of ensuring a high quality of life through maintenance of the natural processes that support human existence. This concentration also provides training to enhance the employment opportunities of students with a strong interest in environmental assessment and resource evaluation.

Only grades of C- or higher in GES courses will count toward completion of the concentration.

Code	Title	Credit Hours
<b>Earth Science Foundational Courses</b>		<b>27</b>
<i>Required</i>		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory <sup>†</sup>	
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory <sup>†</sup>	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
MAT 191	Calculus I <sup>††</sup>	
<i>Plus, select three from the following:</i>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory <sup>†††</sup>	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
PHY 211	General Physics I <sup>†††</sup>	
PHY 212	General Physics II	

### Geographic Techniques

<i>Required</i>		7
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	
<i>Plus, select one of the following:</i>		
GES 322	Research Methods in Spatial Science	

GES 325	Introduction to Spatial Analysis
GES 357	Principles of Cartography
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment

### Human Geography

Select one of the following:	3
GES 105	Introduction to Human Geography
GES 301	Cities of the World
GES 302	Urban Geography: Sustainable Land Use
GES 303	World Population Problems
GES 304	Sustainable Transport and Mobility
GES 306	World Economic Geography
GES 315	The Geography of World Affairs

### Regional Geography

Select one of the following:	3
GES 102	The Historical Geography of the Western World
GES 104	World Regional Geography
GES 313	Natural Resource Regions of North America
GES 333	Geography of Europe
GES 340	Geography of East Asia
GES 344	Geography of the United States and Canada
GES 451	Seminar in Regional Geography
GES 491	Current Topics in Regional Geography

### Earth Science Requirement

<i>Required</i>	26
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory
GES 319 & 319L	Weather and Climate and Climatology Laboratory
GES 418	Biogeography

*Select a minimum of five (5) courses from the following: \**

GES 205	Environmental Change: Its Nature and Impact
GES 305	Environmental Hazards Assessment
GES 312	Geomorphology of North America
GES 325	Introduction to Spatial Analysis
GES 328	The Water Planet
GES 330	Elements of Hydrology
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
GES 419	Advanced Weather and Climate-Synoptic Climatology
GES 450	Applied Physical Geography

<sup>†</sup> Counts toward GEC GNS requirement.

<sup>††</sup> Counts toward GEC GMT requirement.

<sup>†††</sup> Counts toward LEC GLS/GPS requirement.

\* Courses selected cannot have been taken as an Earth Science Foundational Course.

### Geographic Information Science Concentration Requirements

Students with this concentration will develop skills in using maps, geospatial computer programs, and remotely sensed images to answer geographic questions relevant to land use planning, urban development,

geomorphic or biogeographic processes, or environmental impact assessment. A capstone course (GES 421), which includes a faculty-directed major project, is completed in the final semester.

Only grades of C- or higher in GES courses will count toward completion of the concentration.

Code	Title	Credit Hours
<b>Geographic Information Science Foundational Courses</b>		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory <sup>†</sup>	15
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory <sup>†</sup>	
PHY 211	General Physics I <sup>††</sup>	
MAT 191	Calculus I <sup>†††</sup>	
<b>Geographic Techniques</b>		
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	7
GES 322	Research Methods in Spatial Science	
<b>Earth Science</b>		
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory	8
GES 319 & 319L	Weather and Climate and Climatology Laboratory	
<b>Human Geography</b>		
Select one of the following:		
GES 105	Introduction to Human Geography	3
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 304	Sustainable Transport and Mobility	
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
<b>Regional Geography</b>		
Select one of the following:		
GES 102	The Historical Geography of the Western World	3
GES 104	World Regional Geography	
GES 313	Natural Resource Regions of North America	
GES 333	Geography of Europe	
GES 340	Geography of East Asia	
GES 344	Geography of the United States and Canada	
GES 451	Seminar in Regional Geography	
GES 491	Current Topics in Regional Geography	
<b>Geographic Information Science Requirements</b>		
<i>1. Required</i>		
CSC 120	Introduction to Computer Programming for Non-Majors	27
GES 325	Introduction to Spatial Analysis	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 457	Advanced Cartography	
GES 458	Advanced Geographic Information Systems	

GES 459 Advanced Remote Sensing-Imaging

*2. Required (Taken after completion of #1.)*

GES 421 Geographic Information Science (Taken after completion of #1)

<sup>†</sup> Counts toward GEC GNS requirement.

<sup>††</sup> Counts toward LEC GLS/GPS requirement.

<sup>†††</sup> Counts toward GEC GMT requirement.

## Urban Planning Concentration Requirements

The inter-regional shift of people and jobs in the United States and elsewhere over the past decades coupled with the movement away from large central cities has increased the need for formal urban and regional planning. Planners are needed in the private sector as well as in state and local governments to provide the appropriate kinds of economic and community development that will ensure a high quality of life in both developed and developing countries. In a growth region like the Southeast, geographers with a planning background are in increasing demand.

Only grades of C- or higher in GES courses will count toward completion of the concentration.

Code	Title	Credit Hours
<b>Urban Planning Foundational Courses</b>		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory <sup>†</sup>	10
GES 105	Introduction to Human Geography <sup>††</sup>	
Select one of the following:		
MAT 112	Contemporary Topics in Mathematics <sup>†††</sup>	
STA 108	Elementary Introduction to Probability and Statistics <sup>†††</sup>	
<b>Geographic Techniques</b>		
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	7
GES 357	Principles of Cartography	
<b>Earth Science</b>		
Select one option of the following:		
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory	4
GES 319 & 319L	Weather and Climate and Climatology Laboratory	
<b>Human Geography</b>		
Select one of the following:		
GES 303	World Population Problems	3
GES 306	World Economic Geography	
GES 315	The Geography of World Affairs	
<b>Regional Geography</b>		
Select one of the following:		
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 313	Natural Resource Regions of North America	
GES 333	Geography of Europe	

GES 340	Geography of East Asia	PCS 309	Conflict and Culture
GES 344	Geography of the United States and Canada	PCS 415	Global Peacebuilding
GES 451	Seminar in Regional Geography	PCS 418	Peacebuilding Challenges
GES 491	Current Topics in Regional Geography	PCS 432	Conflict Transformation at the Food-Water Nexus
<b>Urban Planning Requirements</b>	<b>36</b>	PCS 433	Restrve Justice:Thry/Practice
<i>Required</i>		PCS 457	Ecocultures and Sustainable Communities
GES 301	Cities of the World	PCS 479	Gender and Peacebuilding
GES 302	Urban Geography: Sustainable Land Use		
GES 304	Sustainable Transport and Mobility		
GES 358	Geographic Information Systems		
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment		
GES 432	Geography of Livable Cities		
<i>Select six courses from the following:</i> *			
GES 303	World Population Problems		
GES 306	World Economic Geography		
GES 320	Tourism Planning and Development		
GES 322	Research Methods in Spatial Science		
GES 325	Introduction to Spatial Analysis		
GES 331	Sustainable Tourism and Transportation		
GES 344	Geography of the United States and Canada		
GES 357	Principles of Cartography		
GES 359	Remote Sensing of Environment		
GES 433	Regional Economic Development		

† Counts toward GEC GNS requirement.

†† Counts toward GEC GSB requirement.

††† Counts toward GEC GMT requirement.

\* Courses selected cannot have been taken as an Urban Planning Foundational Course.

## Climate Justice Undergraduate Minor

### Program Requirements

- Minimum of 20 credit hours.

Code	Title	Credit Hours	
<b>Required Core Courses</b>		<b>11</b>	
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory		
GES 162	Introduction to Environment & Sustainability *		
GES 319 & 319L	Weather and Climate and Climatology Laboratory **		
<b>Geography, Environment, and Sustainability Courses</b> <sup>1</sup>		<b>3</b>	
<i>Select one course (3 credits) from the following:</i>			
GES 304	Sustainable Transport and Mobility		
GES 419	Advanced Weather and Climate-Synoptic Climatology		
GES 484	Topics in Development and Economics		
GES 486	Topics in Equity and Society		
GES 488	Topics in Environmental Sciences		
<b>Peace and Conflict Studies Courses</b>		<b>6</b>	
<i>Select two courses (6 credits) from the following:</i>			

\* Students may also complete a relevant internship, individual study, or other class with advisor approval.

## Digital Earth Technologies Undergraduate Minor

### Program Requirements

- Minimum of 19 credit hours.

Code	Title	Credit Hours
<b>Required Core Courses</b>		<b>10</b>
GES 121 & 121L	Introduction to Geographic Information Science and Intro to Geographic Information Science Laboratory	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
<b>GIS/Technology-Focused Electives</b>		<b>9</b>
<i>Select 9 credits from the following:</i> *		
GES 322	Research Methods in Spatial Science	
GES 325	Introduction to Spatial Analysis	
GES 357	Principles of Cartography	
GES 421	Geographic Information Science	
GES 457	Advanced Cartography	
GES 458	Advanced Geographic Information Systems	
GES 459	Advanced Remote Sensing-Imaging	
GES 488	Topics in Environmental Sciences	

\* Students may also complete a relevant internship, individual study, or other class with advisor approval.

## Environment Undergraduate Minor

### Program Requirements

- Minimum of 21 credit hours
- Minimum grade of C- required in Core Courses
- Major in any field except B.A. in Environment & Sustainability

Code	Title	Credit Hours	GES 358	Geographic Information Systems
<b>Core Courses</b>		<b>9</b>	GES 359	Remote Sensing of Environment
GES 164	Introduction to Environment		GES 418	Biogeography
GES 162	Introduction to Environment & Sustainability		GES 419	Advanced Weather and Climate-Synoptic Climatology
GES 488	Topics in Environmental Sciences			
<b>Select from the following Options lists below: 3 credits in Environmental Science, 3 credits in GES 486 or Equity &amp; Society, 3 credits GES 484 or Development &amp; Economics, and 3 credits in GES 482 or Ethics &amp; Aesthetics *</b>		<b>12</b>		
<p>* In addition, either GES 260, GES 462, GES 464, or any Core Course or Option approved for inclusion in the B.A. in Environment &amp; Sustainability could be substituted with Program Director's approval.</p>				
<b>Environmental Science Options</b>				
Code	Title	Credit Hours	Code	Title
BIO 301	Principles of Ecology		ATY 362	Methods in Cultural Anthropology
BIO 315	Ecology and Evolution Laboratory		ATY 377	Disaster, Self, and Society
BIO 361	Biology and Conservation of Sea Turtles		ATY 420	Economic Anthropology
BIO 401	Adv Topics in Animal Ecology		ATY 426	Food and Culture in a Global Context
BIO 410	Advanced Tpcs in Plant Ecology		ATY 450	Environmental Anthropology
BIO 420	Marine Biology		ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)
BIO 421	Ecosys Ecogy Biogeochem		ATY 465	Medical Anthropology
BIO 422	Plant Diversity		ATY 469	Anthropology of Infectious Disease
BIO 426	Conservation Biology		CTR 444	Recreation, Parks, and Health
BIO 427	Landscape Ecology		GES 302	Urban Geography: Sustainable Land Use
& BIO 423	and Landscape Ecology Laboratory		GES 303	World Population Problems
BIO 429	Aquatic Ecology		GES 304	Sustainable Transport and Mobility
BIO 432	Aquatic Ecology Laboratory		GES 322	Research Methods in Spatial Science
BIO 431	The Biosphere		GES 331	Sustainable Tourism and Transportation
BIO 438	Animal Behavior		GES 402	Sustainable Urban Planning in an Entrepreneurial Environment
BIO 441	Invertebrate Zoology		GES 405	Sustainable Regional Planning
BIO 444	Entomology		GES 415	National Parks and Protected Areas
BIO 445	Disease Ecology		GES 432	Geography of Livable Cities
BIO 451	Vascular Plant Systematics		HEA 307	Global Health
BIO 456	Global Change		HEA 315	Epidemiology
BIO 470	Vertebrate Zoology		HEA 316	Environmental Health
BIO 480	Environmental Physiology		HIS 319	Sugar, Soccer, Samba: History of Brazil
BIO 488	Essentials of Toxicology		HIS 323	American Indians and Nature
CHE 205	Introductory Organic Chemistry		HIS 334	United States Environmental History
CHE 331	Quantitative Analysis		PCS 406	Environmental Justice
CHE 351	Organic Chemistry I		PSC 312	Environmental Law and Policy
CHE 352	Organic Chemistry II		PSC 313	Natural Resources Law and Policy
GES 305	Environmental Hazards Assessment		SOC 328	Social Movements
GES 312	Geomorphology of North America		SOC 330	Urban Society
GES 313	Natural Resource Regions of North America		SOC 346	Population Problems
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory		SOC 370	Environmental Sociology
GES 319 & 319L	Weather and Climate and Climatology Laboratory		SOC 373	Green Criminology
GES 328	The Water Planet		SOC 377	Disaster, Self, and Society
GES 330	Elements of Hydrology		SOC 421	Sem in Populatn / Urbn Studies

**Equity & Society Options**

Code	Title	Credit Hours
ATY 362	Methods in Cultural Anthropology	
ATY 377	Disaster, Self, and Society	
ATY 420	Economic Anthropology	
ATY 426	Food and Culture in a Global Context	
ATY 450	Environmental Anthropology	
ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)	
ATY 465	Medical Anthropology	
ATY 469	Anthropology of Infectious Disease	
CTR 444	Recreation, Parks, and Health	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 304	Sustainable Transport and Mobility	
GES 322	Research Methods in Spatial Science	
GES 331	Sustainable Tourism and Transportation	
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment	
GES 405	Sustainable Regional Planning	
GES 415	National Parks and Protected Areas	
GES 432	Geography of Livable Cities	
HEA 307	Global Health	
HEA 315	Epidemiology	
HEA 316	Environmental Health	
HIS 319	Sugar, Soccer, Samba: History of Brazil	
HIS 323	American Indians and Nature	
HIS 334	United States Environmental History	
PCS 406	Environmental Justice	
PSC 312	Environmental Law and Policy	
PSC 313	Natural Resources Law and Policy	
SOC 328	Social Movements	
SOC 330	Urban Society	
SOC 346	Population Problems	
SOC 370	Environmental Sociology	
SOC 373	Green Criminology	
SOC 377	Disaster, Self, and Society	
SOC 421	Sem in Populatn / Urbn Studies	

**Development & Economics Options**

Code	Title	Credit Hours
BUS 130	Entrepreneurship in a Sustainable Global Environment	
BUS 340	Social Entrepreneurship	
ECO 100	Economics of a Global Sustainable Society	

ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis
ENT 440	Experiences in Sustainable Entrepreneurship
HTM 200	Introduction to Sustainable Development
HTM 312	Hospitality Facilities Management
HTM 314	Sustainable Food and Craft Beverage
HTM 332	Sustainable Destination and Experience Management
HTM 335	Sustainable Tourism and Transportation

### Ethics & Aesthetics Options

Code	Title	Credit Hours
ARE 260	Art, Education, and Social Practice	
ARH 359	Art and/as Social Justice	
CST 420	Environmental Communication	
ENG 290	Social Movement and Social Justice Rhetorics	
ENG 373	American Romanticism	
ENG 380	Literature and the Environment	
IAR 124	Introduction to Sustainable Design	
LLC 130	Global Green: Cultures of Production and/or Consumption	
MUS 326	Music and Environment	
PHI 261	Ethical Issues in Business	
PHI 322	Philosophy of the Arts	
PHI 338	Ethics and International Affairs	
REL 250	Religious Traditions and Care of the Earth	
VPA 324	The Arts as Social Change: Theory and Practice	
WGS 374	Ecofeminism	
WGS 375	Topics in Native American and Indigenous Studies	

## Geography Undergraduate Minor

Any six courses (18 credit hours) constitute a minor, but the suggested course sequences in the Requirements tab will be of interest to certain students pursuing specific majors and with certain career objectives such as planning, environmental conservation, or business.

### Program Requirements

- Minimum of 18 credit hours.
- No credit hours from GES courses numbered 160-170, and 360-400 may be applied towards the Geography Minor.

### General Geography Minor

Code	Title	Credit Hours
<b>Required</b>		18
Select one physical course		
Select one human course		
Select one regional course		
Select one techniques course		
Select any two other geography courses		

### Minor Emphasizing Urban Planning

Code	Title	Credit Hours
<b>Select six courses from the following:</b>		18
GES 105	Introduction to Human Geography	
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 304	Sustainable Transport and Mobility	
GES 306	World Economic Geography	
GES 344	Geography of the United States and Canada	
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	

### Minor Emphasizing Environmental Studies

Code	Title	Credit Hours
<b>Select six courses from the following:</b>		18
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 205	Environmental Change: Its Nature and Impact	
GES 303	World Population Problems	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 314	Physical Geography: Landscape Processes	
GES 319	Weather and Climate	
GES 330	Elements of Hydrology	
GES 357	Principles of Cartography	
GES 359	Remote Sensing of Environment	
GES 418	Biogeography	
GES 419	Advanced Weather and Climate-Synoptic Climatology	
GES 457	Advanced Cartography	
GES 450	Applied Physical Geography	

#### Select one option of the following: \*

3-4

Option A:	
GES 103	Introduction to Earth Science and Earth Science Laboratory
Option B:	
GES 108	Our Dynamic Planet

\* Either of options A or B may also be chosen, but not both.

### Minor Emphasizing Geographic Information Science and Techniques

Code	Title	Credit Hours
<b>Select six courses from the following:</b>		18
GES 105	Introduction to Human Geography	

GES 121	Introduction to Geographic Information Science
GES 322	Research Methods in Spatial Science
GES 357	Principles of Cartography
GES 358	Geographic Information Systems
GES 359	Remote Sensing of Environment
GES 432	Geography of Livable Cities
GES 433	Regional Economic Development
GES 457	Advanced Cartography
GES 459	Advanced Remote Sensing-Imaging

GES 484	Topics in Development and Economics
GES 486	Topics in Equity and Society
Select 3 credits from the Options in Environmental Science	3
Select 6 credits from two of the three Options lists below (Equity & Society, Development & Economics, Ethics & Aesthetics) that are different from the selected Core Seminar *	6

\* May also include GES 488 or any Core Course or Option approved for inclusion in the B.A. in Environment & Sustainability.

## Geography Minor for Majors in the School of Business and Economics

Provides the student opportunity to acquire knowledge of industrial location, international trade, demographic change and environmental impact.

Code	Title	Credit Hours
<b>Select six courses from the following:</b>		
GES 102	The Historical Geography of the Western World	
GES 104	World Regional Geography	
GES 105	Introduction to Human Geography	
GES 121	Introduction to Geographic Information Science	
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 303	World Population Problems	
GES 306	World Economic Geography	
GES 344	Geography of the United States and Canada	
GES 491	Current Topics in Regional Geography	
GES 432	Geography of Livable Cities	
GES 433	Regional Economic Development	
<b>Select one option of the following: *</b>		
<i>Option A:</i>		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	
<i>Option B:</i>		
GES 108	Our Dynamic Planet	

\* Either of options A or B below may also be chosen, but not both.

## Sustainability Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C- required in Core Courses
- Major in any field except B.A. in Environment & Sustainability

Code	Title	Credit Hours
<b>Core Courses</b>		
GES 162	Introduction to Environment & Sustainability	9
GES 164	Introduction to Environment	
<b>Select one of the following Core Seminars</b>		
GES 482	Topics in Ethics and Aesthetics	

## Environmental Science Options

Code	Title	Credit Hours
BIO 301	Principles of Ecology	
BIO 315	Ecology and Evolution Laboratory	
BIO 361	Biology and Conservation of Sea Turtles	
BIO 401	Adv Topics in Animal Ecology	
BIO 410	Advanced TpCs in Plant Ecology	
BIO 420	Marine Biology	
BIO 421	Ecosys Ecogy Biogeochem	
BIO 422	Plant Diversity	
BIO 423	Landscape Ecology Laboratory	
BIO 426	Conservation Biology	
BIO 427	Landscape Ecology	
BIO 429	Aquatic Ecology	
BIO 431	The Biosphere	
BIO 432	Aquatic Ecology Laboratory	
BIO 438	Animal Behavior	
BIO 441	Invertebrate Zoology	
BIO 444	Entomology	
BIO 445	Disease Ecology	
BIO 451	Vascular Plant Systematics	
BIO 456	Global Change	
BIO 470	Vertebrate Zoology	
BIO 480	Environmental Physiology	
BIO 488	Essentials of Toxicology	
CHE 205	Introductory Organic Chemistry	
CHE 331	Quantitative Analysis	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
GES 305	Environmental Hazards Assessment	
GES 312	Geomorphology of North America	
GES 313	Natural Resource Regions of North America	
GES 314	Physical Geography: Landscape Processes & 314L	
GES 314	and Physical Geography Laboratory	
GES 319 & 319L	Weather and Climate and Climatology Laboratory	
GES 328	The Water Planet	
GES 330	Elements of Hydrology	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 418	Biogeography	

GES 419	Advanced Weather and Climate-Synoptic Climatology		HTM 312	Hospitality Facilities Management
			HTM 314	Sustainable Food and Craft Beverage
			HTM 332	Sustainable Destination and Experience Management
			HTM 335	Sustainable Tourism and Transportation
<b>Equity &amp; Society Options</b>				
Code	Title	Credit Hours	<b>Ethics &amp; Aesthetics Options</b>	
ATY 362	Methods in Cultural Anthropology		ARE 260	Art, Education, and Social Practice
ATY 377	Disaster, Self, and Society		ARH 359	Art and/as Social Justice
ATY 420	Economic Anthropology		CST 420	Environmental Communication
ATY 426	Food and Culture in a Global Context		ENG 290	Social Movement and Social Justice Rhetorics
ATY 450	Environmental Anthropology		ENG 373	American Romanticism
ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)		ENG 380	Literature and the Environment
ATY 465	Medical Anthropology		IAR 124	Introduction to Sustainable Design
ATY 469	Anthropology of Infectious Disease		LLC 130	Global Green: Cultures of Production and/or Consumption
CTR 444	Recreation, Parks, and Health		MUS 326	Music and Environment
GES 302	Urban Geography: Sustainable Land Use		PHI 338	Ethics and International Affairs
GES 303	World Population Problems		PHI 261	Ethical Issues in Business
GES 304	Sustainable Transport and Mobility		PHI 322	Philosophy of the Arts
GES 322	Research Methods in Spatial Science		REL 250	Religious Traditions and Care of the Earth
GES 331	Sustainable Tourism and Transportation		VPA 324	The Arts as Social Change: Theory and Practice
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment		WGS 374	Ecofeminism
GES 405	Sustainable Regional Planning		WGS 375	Topics in Native American and Indigenous Studies
GES 415	National Parks and Protected Areas			
GES 432	Geography of Livable Cities			
HEA 307	Global Health			
HEA 315	Epidemiology			
HEA 316	Environmental Health			
HIS 319	Sugar, Soccer, Samba: History of Brazil			
HIS 323	American Indians and Nature			
HIS 334	United States Environmental History			
PCS 406	Environmental Justice			
PSC 312	Environmental Law and Policy			
PSC 313	Natural Resources Law and Policy			
SOC 328	Social Movements			
SOC 330	Urban Society			
SOC 346	Population Problems			
SOC 370	Environmental Sociology			
SOC 373	Green Criminology			
SOC 377	Disaster, Self, and Society			
SOC 421	Sem in Populatn / Urbn Studies			
<b>Development &amp; Economics Options</b>				
Code	Title	Credit Hours	<b>Geography Second Academic Concentration</b>	
BUS 130	Entrepreneurship in a Sustainable Global Environment		The second academic concentration in Geography is designed specifically for Elementary Education Majors.	
BUS 340	Social Entrepreneurship		<b>Requirements</b>	
ECO 100	Economics of a Global Sustainable Society		• Minimum of 18 credit hours	
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis		<b>Core Courses</b>	
ENT 440	Experiences in Sustainable Entrepreneurship		Select one of the following:	
HTM 200	Introduction to Sustainable Development		GES 121	Introduction to Geographic Information Science
			GES 322	Research Methods in Spatial Science
			GES 357	Principles of Cartography
			GES 358	Geographic Information Systems
			GES 359	Remote Sensing of Environment
			Select one of the following:	
			GES 103	Introduction to Earth Science and Earth Science Laboratory
			or GES 108	Our Dynamic Planet
			Select one of the following:	
			GES 105	Introduction to Human Geography
			GES 301	Cities of the World
			GES 302	Urban Geography: Sustainable Land Use
			GES 303	World Population Problems

GES 306	World Economic Geography
GES 315	The Geography of World Affairs
<i>Select one of the following:</i>	
GES 102	The Historical Geography of the Western World
GES 104	World Regional Geography
GES 313	Natural Resource Regions of North America
GES 344	Geography of the United States and Canada

**Additional Courses***Select any two additional GES courses at the 300 level or higher*

Code	Title	Credit Hours
<b>Required Core Courses (4 credits)</b>		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
<b>Electives (24-33 credits)</b>		
Select 24-33 credits *		24-33
<b>Research Courses (3-6 credits) **</b>		
GES 695	Internship	3-6
<b>Total Credit Hours</b>		<b>34</b>

## Applied Geography, M.A.

The M.A. in Applied Geography offers three options: a thesis option or an internship option requiring a minimum of 34 credit hours, including a maximum of 6 credits dedicated to thesis or internship work, and a portfolio option requiring a minimum of 37 credits plus completion of a significant project. The two non-thesis options result in a terminal degree.

The program leads to the acquisition of research skills and expertise appropriate to geographic analysis in a range of related fields including: business site selection, environmental assessment, geographic techniques such as cartography, geographic information systems and remote sensing, transportation planning, as well as urban and regional development. Emphasis is placed in application of theoretical constructs in geography to solve real world problems at a variety of scales from the Triad and state to national and global issues.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 250-500 word personal statement concerning their interest in geography.

## Degree Program Requirements

**Required:** 34-37 credit hours

### Thesis Option

**Required:** 34 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (4 credits)</b>		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
<b>Electives (24-33 credits)</b>		
Select 24-33 credits *		24-33
<b>Research Courses (3-6 credits) **</b>		
GES 699	Thesis	3-6
<b>Total Credit Hours</b>		<b>34</b>

- \* The student, in consultation with the advisor, will determine the appropriate courses to be taken in that individual's program, including any cognate courses.
- \*\* Research courses comprise Capstone Experience.

### Internship Research Option

**Required:** 34 credit hours

### Non-Thesis/Professional Portfolio Option

**Required:** 37 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (4 credits)</b>		
GES 601	Research Trends in Geography	1
GES 620	Spatial Analysis	3
<b>Electives (24-33 credits)</b>		
Select 24-33 credits *		24-33
<b>Research Courses (3-6 credits) **</b>		
GES 695	Internship or GES 699 Thesis	3-6
<b>Total Credit Hours</b>		<b>37</b>

- \* The student, in consultation with the advisor, will determine the appropriate courses to be taken in that individual's program, including any cognate courses.
- \*\* Research courses comprise Capstone Experience.

### Formal Review

- Approval of master's plan of study
- Assessment of academic performance, which will be determined by the approval of thesis, internship, or professional portfolio proposal
- Final thesis defense, internship presentation, or completion of portfolio

Details concerning specific core requirements, plans of study, theses, internships, and competency portfolios can be obtained from the Graduate Program Director.

### Geosciences Education for Teachers Concentration

**Required:** 38 credit hours

The Geosciences Education for Teachers concentration is directed towards students and educators interested in expanding their expertise in teaching geosciences. Completing the Master of Arts in Applied Geography with this concentration requires students to combine the core requirements of the M.A. degree with courses emphasizing the knowledge and skills needed to teach geosciences at the middle grades, secondary grades, and community college levels. The required core

courses, formal reviews and examinations are the same as for the M.A. in Applied Geography, non-thesis, course work option with a competency portfolio. Within this framework, students will complete 38 credit hours by taking the required courses specified below. Note that GES 650 Applied Physical Geography and GES 651 Seminar in Regional Geography will be field course experiences for the concentration and students will present their portfolios as part of GES 650 and GES 651. (Students' competency portfolios will be comprised of self-selected geosciences instructional modules designed while students were enrolled in GES 607 Earth Science for Educators, GES 608 Weather and Climate for Educators, GES 609 Hydrology for Educators, GES 610 Physical Geology for Educators, and GES 611 Natural Hazards and Society for Educators).

Code	Title	Credit Hours
<b>Required Core Courses (38 credits)</b>		
GES 601	Research Trends in Geography	1
GES 607	Earth Science for Educators	5
GES 608	Weather and Climate for Educators	5
GES 609	Hydrology for Educators	5
GES 610	Physical Geology for Educators	5
GES 611	Natural Hazards and Society for Educators	5
GES 620	Spatial Analysis	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
AST 609 (COURSE INACTIVE)		3
<b>Total Credit Hours</b>		<b>38</b>
<b>Sustainability Electives (9 credits)</b>		
Select 9 credits from the following: *		
	GES 660	Sustainable Campus Operations
	GES 682	Topics in Ethics and Aesthetics
	GES 684	Topics in Development and Economics
	GES 686	Topics in Equity and Society
	GES 688	Topics in Environmental Sciences
<b>Total Credit Hours</b>		<b>34</b>

\* Up to 9 credits of courses from outside the Department of Geography, Environment, and Sustainability may be chosen in consultation with the adviser (these could include courses from Anthropology, Biology, Communication Studies, Community and Therapeutic Recreation, Economics, Education, Interior Architecture, Business, Sociology, or others).

## Sustainability Concentration

**Required:** 34 credit hours

The Sustainability concentration in the M.A. in Applied Geography is directed towards students who have an interest in connecting approaches to addressing coupled human environmental problems in the context of broader studies in geography. Students completing this concentration will combine the core requirements of the M.A. in Applied Geography with departmental courses emphasizing interdisciplinary approaches to social and environmental challenges alongside classes from outside the department (chosen in consultation with the advisor). The concentration provides foundational and advanced knowledge and skills necessary for sustainability-related careers in a variety of sectors. The core seminar, GES 662 Sustainability, offers a translational experience around the unique definition of sustainability at UNC Greensboro, where academics, operations, and outreach are conducted with careful attention to the enduring interconnectedness of social equity, environment, economy, and aesthetics.

Code	Title	Credit Hours	Code	Title	Credit Hours
<b>Required Courses (10 credits)</b>					
GES 601	Research Trends in Geography	1	GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
GES 620	Spatial Analysis	3	GES 605	Sustainable Regional Planning	3
GES 699	Thesis	6	GES 631	Sustainable Transportation Planning	3
<b>Sustainability Concentration Core (3 credits)</b>					
GES 662	Sustainability	3	GES 632	Geography of Livable Cities	3
<b>Sustainability-Focused Electives (12 credits)</b>					
Select 12 credits from the following:		12	<b>Elective Courses (3 credits)</b>		
			Select one course (3 credits) from the following:		3
			GES 622	GIS Applications in Urban Planning	

GES 633	Regional Economic Development	
PSC 620	Urban and Regional Development Policy	
PSC 630	Community and Economic Development Theory and Practice	
Total Credit Hours		15

research/business proposals; and effectively communicating through oral, written, and online multimedia formats.

The degree requires 36 credit hours, of which 18 are required core courses (all offered asynchronously online) and 18 are electives chosen in consultation with the advisor. Nine of the elective credits must be interdisciplinary and come from outside the Department of Geography, Environment, and Sustainability (GES). The other nine credits of electives must be from inside GES, including the required final project (either an internship, capstone, or thesis). The M.S. is designed so that it can be completed entirely online; electives may be taken either online or face-to-face. More information is available at <https://ges.uncg.edu/msse/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit:

- A resume/C.V.
- A personal statement summarizing student's background and interests.
- Two letters of recommendation.
- Official undergraduate transcripts.

Applicants are required to have a bachelor's degree from an accredited college or university or appropriately evaluated credentials for non-U.S. schools. An undergraduate minimum GPA of 3.0 is preferred.

GRE scores are optional.

For further information, consult the M.S. in Sustainability and Environment Prospective Student (<https://ges.uncg.edu/evs/msse/prospective-student-faq/>)FAQ.

## Degree Program Requirements

**Required:** 36 credit hours

Code	Title	Credit Hours
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3
<b>Core Courses (18 credits)</b>		
GES 662	Sustainability	3
GES 664	Environment	3
GES 682	Topics in Ethics and Aesthetics	3
GES 684	Topics in Development and Economics	3
GES 686	Topics in Equity and Society	3
GES 688	Topics in Environmental Sciences	3
<b>Department Electives (9 credits)</b>		
Select three courses (9 credits) from GES graduate courses relevant to sustainability and environment <sup>1,3</sup>		9
<b>Interdisciplinary Electives (9 credits)</b>		
Select three courses (9 credits) from graduate courses outside of GES relevant to sustainability and environment <sup>2</sup>		9
<b>Final Project</b>		
Select one of the following options: <sup>3</sup>		
<i>Internship (3 credits)</i>		
GES 695	Internship	
<i>Capstone (3 credits)</i>		
GES 697	Capstone in Sustainability and Environment (course pending approval)	

## Accelerated B.A. to M.A. in Applied Geography

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. in Geography may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE. All applicants must complete the Accelerated Master's Program information along with their application for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work from the following course list toward completion of both the undergraduate and graduate degree, provided they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
GES 604	Political Geography	3
GES 618	Biogeography	3
GES 619	Advanced Weather and Climate-Synoptic Climatology	3
GES 632	Geography of Livable Cities	3
GES 650	Applied Physical Geography	3
GES 651	Seminar in Regional Geography	3
GES 657	Advanced Cartography	3
GES 659	Advanced Remote Sensing-Imaging	3

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the B.A. and M.A. degree in Geography remain the same.

## Sustainability and Environment, M.S.

With a focus on the interconnectedness of social equity, the environment, the economy, and aesthetics, the customizable M.S. in Sustainability and Environment is designed for professionals pursuing sustainability in any field. The program is intended for students interested in sustainability-related careers in governmental and non-governmental organizations and the private sector, as well as professionals already working in sustainability or related fields. Additionally, the M.S. provides a launching pad for students seeking doctoral or advanced professional degrees. Students in the program develop skills in critical and systems thinking, problem-solving, communication, and navigating relevant research. Specifically, students are trained in identifying problems and potential solutions; analyzing quantitative data and scientific literature; developing

<b>Thesis (6 credits)</b>			
GES 699 Thesis			
<b>Total Credit Hours</b>	<b>36</b>		
<sup>1</sup> As approved by advisor. May include repeats of one or more courses from the Core Courses requirement if the topic varies.			
<sup>2</sup> As approved by advisor. May include transfer credits.			
<sup>3</sup> A final project (internship, capstone, or thesis) as approved by the student's advisor is required and counts as credits towards the Department Electives. The final project satisfies the capstone experience or thesis requirements for master's degrees. Students electing the:			
• Internship option must complete 3 credits in GES 695			
• Capstone option must complete 3 credits in GES 697			
• Thesis option must complete 6 credits in GES 699			

## Electives

The department and interdisciplinary electives will be customized with the student based on interests and professional needs in one of four focus areas:

- Natural Sciences (courses from e.g. biology, chemistry, physics, mathematics, geography, etc.)
- Equity and Society (courses from e.g. policy, sociology, history, women's and gender studies, African and African Diaspora Studies, geography, etc.)
- Development and Economics (courses from e.g. business, economics, sustainable tourism, etc.)
- Ethics and Aesthetics (courses from e.g. philosophy, literature, art, music, theater, dance, etc.)

## Geography, Ph.D.

The Ph.D. in Geography is an innovative program centered on the research-oriented application of geographical concepts and theories to the solving of real-world problems. The program requires 45-54 credit hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 250-500 word personal statement.

## Degree Program Requirements

**Required:** 45-54 credit hours

At least 27 of the 33 credits in required core and cluster courses (excluding dissertation) must be at the 600 level or higher. Up to 9 credits of course work may be transferred from another institution on approval of the department.

Code	Title	Credit Hours
<b>Required Core Courses (9 credits)</b>		
GES 701	History of Geographic Thought	3
GES 702	Research Design	3
GES 720	Advanced Spatial Analysis	3
<b>Courses Required from Geography Clusters (24 credits)</b>		

Select 24 credits from courses in the three geography clusters in the program \*

<b>Dissertation (12-21 credits)</b>		
GES 799 Doctoral Dissertation Research		12-21
<b>Total Credit Hours</b>		<b>45-54</b>

\* These three clusters are:

- Geographic Information Sciences
- Human Geography
- Physical Geography

Students are required to complete two courses in each of the three clusters and an additional two courses related to the dissertation research cluster.

## Required Milestones\*

- Diagnostic Exam
- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Climate Justice, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Climate Justice is an interdisciplinary program that considers forms of power, privilege, and oppression alongside the technical understanding of global heating and the climate crisis. The aims of the certificate are to empower students with knowledge about this social-ecological nexus and to equip them with the skills to analyze dominant value systems for work in an array of emerging climate careers. Students take classes from the Department of Geography, Environment, and Sustainability and from the Department of Peace and Conflict Studies. The Climate Justice certificate is run through the Environment and Sustainability Program and developed in conjunction with the M.S. in Sustainability and Environment, <https://ges.uncg.edu/msse/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Undergraduate degree in any field, with a demonstrable interest in social and/or environmental activism and with prerequisites necessary for advanced course work in appropriate disciplines.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours	Code	Title	Credit Hours			
<b>Required Core Courses (6 credits)</b>								
GES 619	Advanced Weather and Climate-Synoptic Climatology	3	GES 662	Sustainability	3			
GES 662	Sustainability	3	GES 664	Environment	3			
<b>Geography, Environment, and Sustainability Courses (3 credits)</b>								
Select one course (3 credits) from the following:		3	GES 688	Topics in Environmental Sciences	3			
GES 605	Sustainable Regional Planning		<b>Conservation Electives from Geography, Environment, and Sustainability Courses (6 credits)</b>					
GES 684	Topics in Development and Economics		Select 6 credits from the following:		6			
GES 686	Topics in Equity and Society		GES 602	Sustainable Urban Planning in an Entrepreneurial Environment				
GES 688	Topics in Environmental Sciences		GES 603	Understanding Geographic Information Systems				
<b>Peace and Conflict Studies Courses (6 credits)</b>			GES 605	Sustainable Regional Planning				
Select two courses (6 credits) from the following:		6	GES 606	Environmental Planning				
PCS 601	Indigenous Peace Practices		GES 612	Natural Resource Geography				
PCS 605	Skills and Techniques of Conflict Management		GES 615	National Parks and Protected Areas				
or PCS 622	Skills in Transformative Conflict		GES 618	Biogeography				
PCS 621	Critical Foundations of Peace and Conflict Studies		GES 641	Earth Surface Processes and Landforms				
PCS 624	Peace and Justice in a Changing Climate		GES 650	Applied Physical Geography				
PCS 630	The Power of Nonviolence for Social Change		<b>Conservation Electives from Biology Courses (6 credits)</b>					
PCS 632	Conflict Transformation at the Food-Water Nexus		Select 6 credits from the following:		6			
PCS 633	Restrve Justice:Thry/Practice		BIO 601	Seminar in Animal Ecology				
PCS 657	Ecocultures and Sustainable Communities		BIO 605	Seminar in Ecology				
PCS 667	Borders, Partitions, and Generative Othering Narratives		BIO 620	Ecosystem Ecology and Biogeochemistry				
PCS 676	Peace Development and Community Building		BIO 623	Landscape Ecology Laboratory				
PCS 677	International Human Rights Advocacy		BIO 626	Conservation Biology				
<b>Total Credit Hours</b>		<b>15</b>	BIO 627	Landscape Ecology				
			BIO 629	Aquatic Ecology				
			BIO 638	Aquatic Ecology Laboratory				
			BIO 641	Stream Ecology				
			BIO 656	Global Change				
			BIO 660	Symbiosis				
			<b>Total Credit Hours</b>		<b>21</b>			

## Conservation, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Conservation provides foundational and advanced knowledge and skills necessary for transitioning to conservation-related careers in governmental and non-government organizations and the private sector. The curriculum includes the student's choice of a selection of conservation-focused classes from the Department of Geography, Environment, and Sustainability (GES) and the Department of Biology.

The core courses are part of the M.S. in Sustainability and Environment and provide a strong interdisciplinary foundation in UNC Greensboro's approach to sustainability, which is conducted with careful attention to the enduring interconnectedness of social equity, the environment, the economy, and aesthetics. More information is available at <https://ges.uncg.edu/msse/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Undergraduate degree in any field, with a demonstrable interest in conservation and with pre-requisites necessary for advanced course work in Geography and Biology.

## Certificate Program Requirements

**Required:** 21 credit hours

## Digital Earth Technologies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Digital Earth Technologies provides advanced skills and knowledge in methodologies and techniques for earth observation and monitoring. Geospatial technologies, such as geographic information systems (GIS) and remote sensing, are necessary for modeling, monitoring, and predicting environmental change.

The 12 credit hour curriculum includes two core advanced courses (one in GIS and one in remote sensing) and two elective courses.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Undergraduate degree in any field, with prerequisites necessary for advanced course work in environment/sustainability and geography.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (6 credits)</b>		
GES 658	Advanced Geographic Information Systems	3
GES 659	Advanced Remote Sensing-Imaging	3
<b>GIS/Technology-Focused Electives (6 credits)</b>		
Select 6 credits of electives from the following:		6
GES 603	Understanding Geographic Information Systems	
GES 614	GIS Programming and Design Application	
GES 620	Spatial Analysis	
GES 621	Seminar in Geographic Information Science	
GES 622	GIS Applications in Urban Planning	
GES 657	Advanced Cartography	
GES 690	Research Problems in Applied Geography	
GES 695	Internship *	
GES 697	Capstone in Sustainability and Environment *	
GES 699	Thesis *	
<b>Total Credit Hours</b>		<b>12</b>

\* Subject to advisor approval. Must be selected from relevant courses at the 500-level or above in at least two of the following subjects:

- ADS
- ARH
- ART
- CCI
- ENG
- GES
- HIS
- MAS
- MUS
- PHI
- REL
- WGS

## Global Societies and Governance, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Global Societies and Governance provides advanced training in core issues related to globalization, with a particular focus on relationships between scales of governance in different contexts and building transnational sociocultural knowledge.

The 15 credit hour curriculum includes two core advanced courses (one in political geography and one in economic development) and three elective courses.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (6 credits)</b>		
GES 604	Political Geography	3
GES 633	Regional Economic Development	3
<b>Topical Electives (9 credits)</b>		
Select three courses (9 credits) of electives from the following: *		9
GES 651	Seminar in Regional Geography	
GES 655	Qualitative Methods in Human Geography	
GES 684	Topics in Development and Economics	
GES 686	Topics in Equity and Society	
<b>Total Credit Hours</b>		<b>15</b>

\* Students may also satisfy electives with topically relevant 600-level courses in GES or from relevant disciplines, subject to advisor approval. Up to 3-6 credits in GES 695 Internship, GES 697 Capstone in Sustainability and Environment, or GES 699 Thesis may also be chosen in consultation with the advisor and when the project is relevant to global societies and governance.

## Environmental Humanities, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Environmental Humanities provides a foundation for interdisciplinary thinking. The aims of the certificate are to prepare students in disciplinary humanities degrees for interdisciplinary environmental work in cultural fields. Students take classes from the Department of Geography, Environment, and Sustainability along with electives from two humanities departments. The Environmental Humanities certificate is run through the Environment and Sustainability Program and developed in conjunction with the M.S. in Sustainability and Environment, <https://ges.uncg.edu/msse/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Undergraduate degree in any field, with prerequisites necessary for advanced course work in environment/sustainability and at least one humanistic discipline.

## Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (6 credits)</b>		
GES 662	Sustainability	3
GES 664	Environment	3
<b>Environmental Humanities Electives (12 credits)</b>		
Select 12 credits of elective courses *		12
<b>Total Credit Hours</b>		<b>18</b>

# Sustainability, Post-Baccalaureate Certificate

With a focus on the interconnectedness of social equity, the environment, the economy, and aesthetics, the Post-Baccalaureate Certificate in Sustainability provides foundational and advanced knowledge and skills necessary for transitioning to sustainability-related careers in a variety of sectors from sciences to the arts, from business to education, and from governmental to non-governmental organizations.

In addition, the P.B.C. in Sustainability is a direct pathway into the M.S. in Sustainability & Environment (all courses from the P.B.C. count toward the M.S. subject to the policies of The Graduate School). The curriculum includes two required core classes and the student's choice of a selection of sustainability classes in the Department of Geography, Environment, and Sustainability. The student may choose, in consultation with the advisor, up to two sustainability-relevant classes from other departments at UNC Greensboro. The core classes focus on developing conceptual knowledge and cultivating transferable skills for applications of sustainability. More information is available at <https://ges.uncg.edu/msse/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Undergraduate degree in any field.

## Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (6 credits)</b>		
GES 662	Sustainability	3
GES 664	Environment	3
<b>Sustainability Topics (6 credits)</b>		
Select 6 credits from the following:		6
GES 682	Topics in Ethics and Aesthetics	
GES 684	Topics in Development and Economics	
GES 686	Topics in Equity and Society	
GES 688	Topics in Environmental Sciences	
<b>Sustainability-Focused Electives (6 credits)</b>		
Select 6 credits from the following: *		6
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	
GES 603	Understanding Geographic Information Systems	
GES 605	Sustainable Regional Planning	
GES 606	Environmental Planning	
GES 612	Natural Resource Geography	
GES 615	National Parks and Protected Areas	
GES 618	Biogeography	
GES 619	Advanced Weather and Climate-Synoptic Climatology	
GES 631	Sustainable Transportation Planning	
GES 632	Geography of Livable Cities	
GES 641	Earth Surface Processes and Landforms	
GES 650	Applied Physical Geography	

GES 660	Sustainable Campus Operations
<b>Total Credit Hours</b>	<b>18</b>

\* Up to 6 credits of courses from outside the Department of Geography, Environment, and Sustainability may be chosen in consultation with the adviser (these could include courses from Anthropology, Biology, Communication Studies, Community and Therapeutic Recreation, Economics, Education, Interior Architecture, Business, Sociology, or others).

# History

## College of Arts and Sciences

2129 Moore Humanities and Research Administration  
336-334-5992  
<http://his.uncg.edu> (<http://www.uncg.edu/his/>) is.uncg.edu  
(<https://his.uncg.edu>)

**Greg O'Brien, Department Head**

**Mark Elliott, Associate Department Head**

**Asa Eger, Director of Undergraduate Studies**

**Richard Barton, Graduate Program Director**

**Torren Gatson, Interim Director of Public History and Graduate Program Director, Museum Studies**

The Department of History offers a program which has four principal objectives:

1. to provide a general knowledge of the history of the United States, Europe, and the wider world (as we have defined our fields of concentration);
2. to teach students to think and read critically and thereby to develop the ability to analyze historical documents and to appreciate the nature of historical interpretations;
3. to improve students' ability to communicate both orally and in writing; and,
4. to foster the ability to conduct historical research.

The Department offers a broad spectrum of courses in U.S., European, and wider world history; in the ancient, medieval, and modern periods; in social, cultural, political, economic, intellectual, military, and diplomatic history; the history of science; and in a variety of special topics including gender, sexuality, witchcraft, and terrorism.

The History Major prepares students for career opportunities in a wide range of employment, where liberally educated minds can be turned to fruitful account. It offers an excellent general background for later, more specialized studies in fields such as law and journalism. A number of history majors go on to work in public service at the local, state, and federal levels or find employment in those areas of the private sector where a premium is put on a sound general education. Finally, many history majors employ their skills more directly: in the teaching profession (from the primary through graduate school levels), in museums and archives, or in the expanding field of historical preservation work.

The department offers programs leading to the Bachelor of Arts degree in history, a M.A. in History, a M.A. in History with a Museum Studies concentration, and a Ph.D. in history. The Public History Program (Museum Studies) works in partnership with the Department of Interior Architecture, cross-listing many core classes. Classes in each of our programs are generally small and, through an intensive mentoring program, faculty-student interaction has become a hallmark of graduate study in the department.

Although the department does not formally restrict admission to its courses with regard to level, it recommends its 300-level courses to sophomores and above and its 400-level courses to juniors and seniors.

### Professor

Jodi E. Bilinkoff<sup>G</sup>  
Charles C. Bolton<sup>G</sup>  
Alexander A Eger<sup>G</sup>

Lisa Levenstein<sup>G</sup>  
Lisa Carol Tolbert<sup>G</sup>

### Associate Professor

Jamie Adams Anderson<sup>G</sup>  
Richard E Barton<sup>G</sup>  
Jill C Bender<sup>G</sup>  
Mark E. Elliott<sup>G</sup>  
Thomas F. Jackson<sup>G</sup>  
Watson W. Jennison<sup>G</sup>  
Jeff W. Jones<sup>G</sup>  
Greg O'Brien<sup>G</sup>  
Anne Elizabeth Parsons<sup>G</sup>  
Linda M Rupert<sup>G</sup>

### Assistant Professor

Torren Leon Gatson<sup>G</sup>  
Teresa Marie Walch<sup>G</sup>

### Visiting Assistant Professor

David M Wight<sup>G</sup>

### Senior Lecturer

Mark A. Moser

### Lecturer

Mandy Lee Cooper<sup>G</sup>  
Anthony Michael Rossodivito

### G Graduate-level faculty

- History, B.A. (p. 376)
- History, Secondary Education, B.A. (p. 379)
- History Undergraduate Minor (p. 382)
- History Second Academic Concentration (p. 382)
- History, M.A. (p. 382)
- History, Ph.D. (p. 384)

## History, B.A.

**The History, B.A. major is available in traditional as well as online formats.**

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum 30 credits at or above the 100 level. The department divides its undergraduate offerings into three fields: Western Europe, United States, and the Wider World. The minimum of 30 credits must include courses as provided below.
- History majors must maintain a cumulative grade point average of at least 2.0 in history courses to qualify for a degree in History.

### Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
<b>100-200-Level Courses</b>		
	Select 3 credits from Field I: Western Europe at the 200 level *	9
	Select 3 credits from Field II: United States at the 200 level *	
	Select 3 credits from Field III: Wider World at the 100 or 200 level *	
<b>Intermediate/Advanced Requirements</b>		
HIS 391	Historical Skills and Methods	6
HIS 411A	Seminar in Historical Research and Writing	
	or HIS 411B Seminar in Historical Research and Writing	
	or HIS 411C Seminar in Historical Research and Writing	
<b>300-Level Courses</b>		
	Select an additional 9 credits the intermediate level (300) *	9
<b>400-Level Courses</b>		
	Select an additional 6 credits at the advanced level (400) *	6
<i>To ensure that each major has breadth in his or her program, of the 30 credit hour minimum, a student must take at least 6 credits from each of the three fields (Western Europe, United States, Wider World). In addition, at least 3 credits of the 6 credits from each of the three fields must be at the intermediate (300) or advanced (400) level. *</i>		

\* Selection must be made according to the Courses by Field table below.

## \*Courses by Field

### Field I: Western Europe

Code	Title	Credit Hours
HIS 206	Topics in Premodern Western History	
HIS 208	Topics on the West and the Modern World	
HIS 220	The Ancient World	
HIS 221	Medieval Legacy	
HIS 222	Europe 1400-1789	
HIS 223	The Making of Modern Europe	
HIS 309	Unity and Unrest in Medieval Towns	
HIS 310	Daughters of Eve: Women in the Middle Ages	
HIS 312	The Crusades	
HIS 313	The Viking Age	
HIS 314	The Modern British Empire, 1750-Present	
HIS 315	Witchcraft and Magic in European History	
HIS 348	The World at War, 1914-1918	
HIS 349	The World at War, 1939-1945	
HIS 351	History of Greece, 2000 BC-31 BC	
HIS 354	Roman Republic 754 BC - 44 BC	
HIS 355	The Roman Empire, 44 BC-AD 337	
HIS 369	History of Spain	
HIS 373	English History to 1660	
HIS 374	British History 1688-Present	
HIS 376	German History, 1914-1945	
HIS 392	Nazi Germany & the Holocaust	
HIS 411B	Seminar in Historical Research and Writing	
HIS 441	Ancient World: Selected Topics	
HIS 442	Middle Ages: Selected Topics	
HIS 444	Early Modern Europe:Sel Tpcs	
HIS 460	19th Cen Europe:Selectd Topics	
HIS 462	Twentieth-Century Europe: Selected Topics	
HIS 463	Early Modern EngInd:Selct Tpcs	
HIS 464	Modern Britain: Selected Topics	
HIS 467	French History: Selctd Topics	
HIS 471	Modrn Europn Thought:Selc Tpcs	
HIS 474	Modern Germany:Selected Topics	
HIS 492	Honors Work: European History	
HSS 490	Senior Honors Project	

### Field II: United States

Code	Title	Credit Hours
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
HIS 213	Topics in American History	
HIS 301	Race and Slavery	
HIS 302	Race and Segregation	
HIS 316	Interpreting American History	
HIS 317	Introduction to Public History	
HIS 326	Using Photographs as Historical Evidence	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 332	Civil Rights and Black Freedom, 1940-1980	
HIS 334	United States Environmental History	
HIS 335	America Before the Revolution	
HIS 336	The American Revolutionary Era, 1763-1789	
HIS 337	Emerging Nation: US History 1789-1848	
HIS 338	Civil War, Reconstruction, and Reunion, 1848-1896	
HIS 339	From Civil War to Superpower: America 1896-1945	
HIS 340	The United States since World War II	
HIS 342	Gender, Sex, and Health in the 20th Century US	
HIS 344	The New South	
HIS 347	History of North Carolina	
HIS 350	American Immigration: Newcomers and Gatekeepers	
HIS 403	African American His: Sel Tpcs	
HIS 411A	Seminar in Historical Research and Writing	
HIS 412	Public History	
HIS 415	Amer Diplmtc Hist - 20th Cntry	
HIS 420	Southern History: Selected Topics	
HIS 422	Early Amer His:Selctd Topics	
HIS 424	20th Cen US His:Selctd Topics	
HIS 426	The Civil War and Reconstruction: Selected Topics	
HIS 434	The American Revolution: Selected Topics	
HIS 445	Southern History and Southern Material Culture in a Museum Context	
HIS 446	Americn Cultrl His:Selct Tpcs	
HIS 449	Amer Soc Hist:Family / Religion	
HIS 451	Gender / History: Sel Topics	
HIS 478	Research Methods in Historical Archaeology	

HIS 491	Honors Work: American History
HSS 490	Senior Honors Project

### Field III: Wider World

Code	Title	Credit Hours
HIS 101	Contemporary World	
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 207	Topics in Premodern World History	
HIS 209	Topics in Modern World History	
HIS 210	Human Rights in Modern World History	
HIS 215	The Civilizations of Asia	
HIS 216	The Civilizations of Asia	
HIS 217	The World, 1900-1945	
HIS 218	The World since 1945	
HIS 239	The First America: Latin America, 1492-1830	
HIS 240	(Dis)order and Progress: Latin America since 1810	
HIS 308	Navigating World History	
HIS 319	Sugar, Soccer, Samba: History of Brazil	
HIS 320	History of Mexico and Central America	
HIS 322	American Indian History: 1840 to the Present	
HIS 323	American Indians and Nature	
HIS 333	American Indian History to 1840	
HIS 341	Pirates of the Caribbean: The Real Story	
HIS 356	The Making of the African Diaspora	
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 380	Topics in the Near and Middle East	
HIS 381	The Near and Middle East since World War I	
HIS 383	Chinese History to 1800	
HIS 384	The Modern Transformation of China: 1800 to Present Day	
HIS 387	History of the Chinese Frontier	
HIS 389	West Africa during the Atlantic Slave Trade	
HIS 408	Latin America and Caribbean: Selected Topics	
HIS 411C	Seminar in Historical Research and Writing	
HIS 414	Topics in World History	
HIS 475	Modern Russian History: Selected Topics	
HIS 481	African History: Selected Topics	
HIS 487	Southern African History	
HIS 488	East Asian History: Selected Topics	
HIS 493	Honors Work: Wider World History	
HSS 490	Senior Honors Project	

### Related Area Requirements

Because history is closely related to many other disciplines, we strongly recommend that history majors consult their advisors about using their liberal education requirements and electives to build a coherent series of related courses. Students interested in the various national histories may wish to pursue language and literature courses in the same area; students interested in social and institutional history may wish to pursue courses in the social sciences such as anthropology, sociology, political science, and economics; students interested in cultural and intellectual

history will profit by work in philosophy, religious studies, and art and music history.

### Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Public History

### Electives

Electives sufficient to complete the 120 credit hours required for degree.

#### Public History Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
HIS 317	Introduction to Public History	9
<i>Select one course from the list below:</i>		
HIS 346	Topics in Historical Memory	
HIS 412	Public History	
HIS 446	American Cultrl His:Selct Tpcs	
<i>Select one course from the list below if not already taken as a course for the History major requirements or electives: * , **</i>		
AAD 310	Managing and Leading in the Arts	
AAD 320	Arts Marketing	
AAD 321	Fundraising in the Arts	
AAD 380	Introduction to Art Museum Studies	
AAD 381	Intro to Art Museum Collections	
ADS 310	The Portrayal of African Americans in Film	
ADS 330	Black Music as Cultural History: 1960-1980	
ATY 360	Methods in Archaeology	
ATY 370	Historical Archaeology of the Modern World	
ATY 423	Applying Archaeology in the Real World	
ATY 440	Colliding Worlds: Forming America	
HIS 326	Using Photographs as Historical Evidence	
HIS 341	Pirates of the Caribbean: The Real Story	
HIS 346	Topics in Historical Memory	
HIS 347	History of North Carolina	
HIS 390	History Internship	
HIS 405	Intro to Archival Management	
HIS 412	Public History	
HIS 443	Historic Presrv:Prin / Prac	
HIS 446	American Cultrl His:Selct Tpcs	
HIS 455	Field Methods in Preservation Technology	

\* Note that some of the electives other than HIS courses may have prerequisites.

\*\* The following special topics courses may be substituted with approval of the Director of Undergraduate Studies when the topic contains Public History content: HIS 380, HIS 403

## Disciplinary Honors in History

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors in History requirement
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Contract Honors Course</b>		
	300-level Contract Course	6
	400-level Contract Course	
<b>Senior Honors Project</b>		
	<i>To be planned in one of the following courses:</i> *	6
HIS 491	Honors Work: American History	
HIS 492	Honors Work: European History	
HIS 493	Honors Work: Wider World History	
HSS 490	Senior Honors Project	

\* Taken before the Senior Honors Project.

### Recognition

Receive a Certificate of Disciplinary Honors in History; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

See Lisa Tolbert at [lctolber@uncg.edu](mailto:lctolber@uncg.edu) for further information and guidance about Honors in History. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## History, Secondary Education, B.A.

### Overall Requirements

- 122 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum 30 credits at or above the 100 level. The department divides its undergraduate offerings into three fields: Western Europe, United States, and the Wider World. The minimum of 30 credits must include courses as provided below.
- History majors must maintain a cumulative grade point average of at least 2.0 in history courses to qualify for a degree in History.

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
	General Education Requirements (MAC) (p. )	
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>100-200-Level Courses</b>		
	Select 3 credits from Field I: Western Europe at the 200 level *	9
	Select 3 credits from Field II: United States at the 200 level *	
	Select 3 credits from Field III: Wider World at the 100 or 200 level *	
<b>300-Level Courses</b>		
	Select 3 credits from Field I: Western Europe at the 300 level *	9
	Select 3 credits from Field II: United States at the 300 level *	
	Select 3 credits from Field III: Wider World at the 300 level *	
<b>400-Level Courses</b>		
HIS 430	Historical Methods for Social Studies Teachers **	12
<i>Select 9 credits at the advanced (400) level, which must include one of the following:</i>		
HIS 411A	Seminar in Historical Research and Writing	
	or HIS 411B Seminar in Historical Research and Writing	
	or HIS 411C Seminar in Historical Research and Writing	

### Courses by Field

To ensure that each major has breadth in his or her program, of the 30 credit hour minimum, a student must take at least 6 credits from each of the three fields (Western Europe, United States, Wider World). In addition, at least 3 credits of the 6 credits from each of the three fields must be at the intermediate (300) or advanced (400) level.

### Field I: Western Europe

Code	Title	Credit Hours
HIS 206	Topics in Premodern Western History	
HIS 208	Topics on the West and the Modern World	
HIS 220	The Ancient World	
HIS 221	Medieval Legacy	
HIS 222	Europe 1400-1789	
HIS 223	The Making of Modern Europe	
HIS 309	Unity and Unrest in Medieval Towns	
HIS 310	Daughters of Eve: Women in the Middle Ages	
HIS 312	The Crusades	
HIS 313	The Viking Age	
HIS 314	The Modern British Empire, 1750-Present	
HIS 315	Witchcraft and Magic in European History	
HIS 317	Introduction to Public History	
HIS 348	The World at War, 1914-1918	
HIS 349	The World at War, 1939-1945	
HIS 351	History of Greece, 2000 BC-31 BC	
HIS 354	Roman Republic 754 BC - 44 BC	
HIS 355	The Roman Empire, 44 BC-AD 337	
HIS 363	European Economic History	
HIS 364	The French Revolutionary Era	
HIS 365	Modern France	
HIS 369	History of Spain	
HIS 371	Europe since World War I	
HIS 373	English History to 1660	

HIS 374	British History 1688-Present
HIS 375	Germany in the Nineteenth Century, 1800-1914
HIS 376	German History, 1914-1945
HIS 392	Nazi Germany & the Holocaust
HIS 411B	Seminar in Historical Research and Writing
HIS 441	Ancient World: Selected Topics
HIS 442	Middle Ages: Selected Topics
HIS 444	Early Modern Europe:Sel Tpcs
HIS 460	19th Cen Europe:Selectd Topics
HIS 462	Twentieth-Century Europe: Selected Topics
HIS 463	Early Modern Engln:Selct Tpcs
HIS 464	Modern Britain: Selected Topics
HIS 467	French History: Selctd Topics
HIS 471	Modrn Europn Thought:Selc Tpcs
HIS 474	Modern Germany:Selected Topics
HIS 492	Honors Work: European History

## Field II: United States

Code	Title	Credit Hours
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
HIS 301	Race and Slavery	
HIS 302	Race and Segregation	
HIS 316	Interpreting American History	
HIS 317	Introduction to Public History	
HIS 326	Using Photographs as Historical Evidence	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 332	Civil Rights and Black Freedom, 1940-1980	
HIS 334	United States Environmental History	
HIS 335	America Before the Revolution	
HIS 336	The American Revolutionary Era, 1763-1789	
HIS 337	Emerging Nation: US History 1789-1848	
HIS 338	Civil War, Reconstruction, and Reunion, 1848-1896	
HIS 339	From Civil War to Superpower: America 1896-1945	
HIS 340	The United States since World War II	
HIS 342	Gender, Sex, and Health in the 20th Century US	
HIS 344	The New South	
HIS 347	History of North Carolina	
HIS 350	American Immigration: Newcomers and Gatekeepers	
HIS 403	African American His: Sel Tpcs	
HIS 411A	Seminar in Historical Research and Writing	
HIS 412	Public History	
HIS 415	Amer Diplmhc Hist - 20th Cntry	
HIS 420	Southern History: Selected Topics	
HIS 422	Early Amer His:Selctd Topics	
HIS 424	20th Cen US His:Selctd Topics	
HIS 426	The Civil War and Reconstruction: Selected Topics	
HIS 434	The American Revolution: Selected Topics	
HIS 445	Southern History and Southern Material Culture in a Museum Context	

HIS 446	Americn Cultrl His:Selct Tpcs
HIS 449	Amer Soc Hist:Family / Religion
HIS 451	Gender / History: Sel Topics
HIS 478	Research Methods in Historical Archaeology
HIS 491	Honors Work: American History

## Field III: Wider World

Code	Title	Credit Hours
HIS 101	Contemporary World	
HIS 203	History of Africa to 1870	
HIS 204	History of Africa since 1870	
HIS 207	Topics in Premodern World History	
HIS 209	Topics in Modern World History	
HIS 210	Human Rights in Modern World History	
HIS 215	The Civilizations of Asia	
HIS 216	The Civilizations of Asia	
HIS 217	The World, 1900-1945	
HIS 218	The World since 1945	
HIS 239	The First America: Latin America, 1492-1830	
HIS 240	(Dis)order and Progress: Latin America since 1810	
HIS 308	Navigating World History	
HIS 318	Revolution and Reform in Modern Latin America	
HIS 319	Sugar, Soccer, Samba: History of Brazil	
HIS 320	History of Mexico and Central America	
HIS 321	Latin America and the United States	
HIS 322	American Indian History: 1840 to the Present	
HIS 323	American Indians and Nature	
HIS 333	American Indian History to 1840	
HIS 341	Pirates of the Caribbean: The Real Story	
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 380	Topics in the Near and Middle East	
HIS 381	The Near and Middle East since World War I	
HIS 383	Chinese History to 1800	
HIS 384	The Modern Transformation of China: 1800 to Present Day	
HIS 387	History of the Chinese Frontier	
HIS 389	West Africa during the Atlantic Slave Trade	
HIS 408	Latin America and Caribbean: Selected Topics	
HIS 411C	Seminar in Historical Research and Writing	
HIS 475	Modern Russian History: Selected Topics	
HIS 481	African History: Selected Topics	
HIS 487	Southern African History	
HIS 488	East Asian History: Selected Topics	
HIS 493	Honors Work: Wider World History	

## Related Area Requirements

Because history is closely related to many other disciplines, we strongly recommend that history majors consult their advisors about using their liberal education requirements and electives to build a coherent series of related courses. Students interested in the various national histories may wish to pursue language and literature courses in the same area;

students interested in social and institutional history may wish to pursue courses in the social sciences such as anthropology, sociology, political science, and economics; students interested in cultural and intellectual history will profit by work in philosophy, religious studies, and art and music history.

## Teacher Licensure Requirements

The courses listed below satisfy competencies for the Standard Professional I License in Secondary Social Studies.

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
ECO 201 or ECO 202	Principles of Microeconomics Principles of Macroeconomics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History <i>Select one additional 300-level history course</i>	
<b>Select an additional 15 credits of social studies electives</b>		<b>15</b>
Select five courses from at least three different disciplines from the following: * ATY: ATY 113 Engaging Culture ATY 158 Adventures in Time-Travel through Archaeology ATY 230 Cultures of Native North America ATY 333 Latin American Societies and Cultures  GES: GES 103 Introduction to Earth Science GES 103L Earth Science Laboratory GES 104 World Regional Geography GES 105 Introduction to Human Geography GES 108 Our Dynamic Planet GES 306 World Economic Geography GES 315 The Geography of World Affairs GES 344 Geography of the United States and Canada GES 451 Seminar in Regional Geography GES 491 Current Topics in Regional Geography  May also select any other regional course  PSC: PSC 200 American Politics PSC 260 Introduction to Comparative Politics PSC 290 The Politics of the Non-Western World  PSY: PSY 121 General Psychology PSY 230 Biological Psychology PSY 240 Principles of Learning PSY 250 Developmental Psychology PSY 260 Psychological Perspectives on Social Psychology PSY 280 Cognitive Psychology PSY 385 IQ and Intelligence  SOC: SOC 101 Introduction to Sociology		

SOC 202	Social Problems in Global Context
SOC 323	Deviance and Social Control
SOC 335	Sociology of the Family
SOC 344	Global Society
SOC 362	Sociological Perspectives on Education
SOC 420	Family Violence

### Secondary Subject Area Licensure Requirements 27

The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.

TED 435	Literacy in the Content Area
ERM 405	Measurement and Assessment in Teaching
TED 444	Educational Psychology for the Secondary Grades
TED 445	Human Diversity, Teaching, and Learning
TED 453	Teaching Practices and Curriculum in Social Studies
TED 465	Student Teaching: Secondary School
TED 466	Student Teaching Seminar
<i>Strongly Recommended</i>	
LIS 120	Introduction to Instructional Technology for Educational Settings

\* Note that some courses identified below may have prerequisites and many satisfy general education requirements.

\*\* This course serves as a prerequisite for other courses for History, Secondary Education majors.

## Electives

Electives sufficient to complete the 122 credit hours required for degree.

### Disciplinary Honors in History Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors in History requirement
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Contract Honors Course</b>		<b>6</b>
300-level Contract Course		
400-level Contract Course		
<b>Senior Honors Project</b>		<b>6</b>
To be planned in one of the following courses: *		
HIS 491	Honors Work: American History	
HIS 492	Honors Work: European History	
HIS 493	Honors Work: Wider World History	
HSS 490	Senior Honors Project	

\* Taken before the Senior Honors Project.

**Recognition**

Receive a Certificate of Disciplinary Honors in History; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

See Lisa Tolbert at [lctolber@uncg.edu](mailto:lctolber@uncg.edu) for further information and guidance about Honors in History. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## History Undergraduate Minor

The History Minor complements majors in a variety of fields, including English, the languages, and the other social sciences. Requirements are flexible to permit students to select courses with the help of their major departments, which will develop and extend their individual interests as expressed in their majors.

### Program Requirements

- The History Minor consists of 15 credit hours in History (5 courses), at any level and from any field, at least 9 of which must be taken in residence at UNC Greensboro.

## History Second Academic Concentration

### History Second Academic Concentration for Elementary Education K-6 Teacher Licensure, B.S.

**Requirements**

- 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
<i>Select 12 credits of the following:</i>		
HIS 301	Race and Slavery	
HIS 302	Race and Segregation	
HIS 326	Using Photographs as Historical Evidence	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 335	America Before the Revolution	
HIS 336	The American Revolutionary Era, 1763-1789	
HIS 337	Emerging Nation: US History 1789-1848	
HIS 338	Civil War, Reconstruction, and Reunion, 1848-1896	
HIS 339	From Civil War to Superpower: America 1896-1945	
HIS 340	The United States since World War II	
HIS 344	The New South	
HIS 347	History of North Carolina	
HIS 349	The World at War, 1939-1945	

## History Second Academic Concentration for Special Education: General Curriculum, B.S.

**Requirements**

- 18 credit hours

Code	Title	Credit Hours
HIS 211	The United States: A General Survey to 1865	
or HIS 212	The United States: A General Survey Since 1865	
HIS 347	History of North Carolina	

*Select 12 credits of which two courses are at the 200 level and two courses are at the 300 level*

## History, M.A.

The Master of Arts (M.A.) in History requires 30 credit hours. Students must pass a language examination or take an extra 3 credits of course work. Upon entering the program, students will develop an individualized plan of study with prior approval from the Graduate Program Director. They will develop three fields of study based upon the specializations of their three-member faculty committee. Any of our faculty members with graduate faculty status may serve as the main advisor for a M.A. committee. Such a framework allows our students maximum flexibility in pursuing research topics of greatest interest and applicability to their future goals.

The M.A. in History offers excellent preparation for those planning to teach history at community colleges and secondary schools and provides a solid foundation for those who go on to Ph.D. programs or who find employment in government and business. The M.A. improves analytic, research, and writing skills.

The M.A. in History with a concentration in Museum Studies requires 36 credit hours. The program provides graduate-level preparation in the core history program and grounding in the theory and practice of public history. Through mentorship, significant hands-on training, and an internship program, students are prepared to enter the professional world of public history in museums, historic sites, and other venues.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit:

- Personal statement
- Resume
- Three letters of recommendation
- 15-page writing sample

Qualified applicants must present an approved undergraduate background (though not necessarily a major) in History. At least 9 credit hours of advanced undergraduate history is required.

The submission of GRE scores is optional.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours	
<b>Required Courses (12 credits)</b>			
HIS 510	Historiography	3	
HIS 709	Introductory Research Seminar	3	
HIS 703 & HIS 704 or HIS 699	M.A. Research Project I and M.A. Research Project II Thesis	6	
<b>Colloquia (9 credits)</b>			
Select three courses (9 credits) from the following colloquia:		9	
HIS 701	Colloquium in American History before 1865		
HIS 702	Colloquium in American History after 1865		
HIS 705	Colloquium in European History before 1789		
HIS 706	Colloquium in European History since 1789		
HIS 710	Colloquium in the Atlantic World		
HIS 716	Graduate Colloquium in World History		
<b>Electives (9 credits)</b>			
Select three courses (9 credits) from remaining graduate-level HIS courses *		9	
<b>Total Credit Hours</b>		<b>30</b>	

\* Including additional colloquia. Chosen in consultation with their faculty committee members and the Graduate Program Director. One elective course (3 credits) may be taken at the graduate level in a related department or program, with the approval of the Graduate Program Director.

## Language Requirement

Many areas of historical research require proficiency in a foreign language. Students who intend to concentrate in such areas are encouraged to pass the written language examination, administered by the department. In lieu of the language examination, students may substitute an extra 3-credit course. Students who intend to pursue a Ph.D., especially in areas other than U.S. history, are strongly encouraged to pass the language examination. Students may retake a failed language exam.

## Comprehensive Examination

Students will develop three fields of study based upon the specializations of their three-member faculty committee. If a student selects a faculty member whose specialization is in U.S. history as main advisor, then at least one of the committee members must be a specialist in a non-U.S. field. If a student selects a faculty member whose specialization is in European history as main advisor, then at least one of the committee members must be a specialist in a non-European field. Similarly, if a student selects a faculty member whose specialization is outside United States or European history, at least one of the committee members must come from either U.S. or European history. Some faculty members may require that students have completed at least one course with them before agreeing to serve on a committee; students should consult with prospective committee members early in their graduate career. A faculty member from another UNC Greensboro department or program who has graduate faculty status can serve on a M.A. committee and create a field of study.

All students must pass a written comprehensive examination in each of their three fields of study. The exams are usually administered twice a

year, during Fall and Spring. Students may retake a failed comprehensive exam once.

## Research Seminars Capstone Experience

Students may take HIS 703 M.A. Research Project I/HIS 704 M.A. Research Project II or have the option of completing a 6-credit thesis (HIS 699 Thesis), with the approval of the main faculty advisor and the Graduate Program Director. Students will present the findings of their research at a History Department Graduate Conference.

## Museum Studies Concentration

**Required:** 36 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (27 credits)</b>		
HIS/IAR 626	The Practice of Public History	3
HIS/IAR 627	Museum and Historic Site Interpretation: Principles and Practice	3
HIS 633	Community History Practicum	3
HIS/IAR 690	Internship	3
HIS 701	Colloquium in American History before 1865	3
HIS 702	Colloquium in American History after 1865	3
HIS 709	Introductory Research Seminar	3
HIS 720	Public History Capstone I	3
HIS 721	Public History Capstone II	3
<b>Electives (9 credits)</b>		
Select three courses (9 credits) of electives from graduate-level HIS courses		9
<b>Total Credit Hours</b>		<b>36</b>

## Electives

By approval of the Director of Public History, students will complete three courses (9 credits) of electives, chosen from graduate-level courses in History. One elective course (3 credits) may be taken at the graduate level in a related department or program.

## Public History Capstone (Capstone Experience)

Students will complete public projects through HIS 720 Public History Capstone I and HIS 721 Public History Capstone II. They will present and reflect on the projects at the History Department's annual Graduate Conference.

## Additional Public History Courses

Code	Title	Credit Hours
HIS/IAR 543	Historic Preservation: Principles and Practice	3
HIS/IAR 547	History Museum Curatorship: Collections Management	3
HIS/IAR 548	Architectural Conservation	3
HIS/IAR 555	Field Methods in Preservation Technology	3
HIS/IAR 624	History of American Landscapes and Architecture	3
HIS/IAR 625	Preservation Planning and Law	3
HIS 629	Museum Education	3
HIS 631	Digital History	3
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
IAR 536	History of Decorative Arts	3

PSC 511P	Topics in Public Affairs: Program Evaluation	1	HIS 751	PhD Dissertation Proposal Course <sup>1</sup>	3-12
PSC 540	Nonprofit Management and Leadership	3	<b>Electives in U.S. Major Field (6 credits)</b>		
PSC 645	Nonprofit Financial Management and Budgeting	3	Select two courses (6 credits) of electives in a major field <sup>2</sup>	6	
			<b>Electives in Minor Field (6 credits)</b>		
			Select two courses (6 credits) of electives in a minor field <sup>2</sup>	6	
			<b>Electives in Non-U.S. Minor Field (6 credits)</b>		
			Select two courses (6 credits) in a non-U.S. minor field <sup>2</sup>	6	
			<b>Research and Historiography (0-6 credits)</b>		
			Complete up to 6 credits of additional research <sup>3</sup>	0-6	
			<b>Dissertation (12-24 credits)</b>		
			HIS 799	Dissertation	12-24
			<b>Total Credit Hours</b>		<b>48-84</b>

## History, Ph.D.

The Ph.D. in history prepares students to teach and conduct research in American history and to understand it within an expanded global perspective. Students are required to integrate the major field with two minor fields, designed to add temporal, methodological, or geographical diversity to the major field. This broader intercontinental perspective enables students to explore themes such as the interaction of political, economic, and cultural systems, questions of race and ethnicity, and the transnational dimensions of national experience. This global perspective is encouraged by providing a selection of courses that are cross-national, comparative, and integrative in content and format.

Students are encouraged to enlarge their perspective by understanding and analyzing national history in broader, international contexts. This goal is facilitated in two ways: first, a close integration of the minors into the major area; second, a selection of courses that are cross-national and integrative in format.

In a setting of relatively small classes, individualized research projects, and frequent contact with faculty, students are trained in the arts of scholarly research and writing. No less is the emphasis placed on fostering teaching skills. Through a required teaching seminar, hands-on teaching experience, and careful mentoring, students are prepared for teaching in a college or university environment.

A total of 48-84 credit hours of course work and dissertation credit, including a minimum of 36-54 credits of course work beyond the M.A. in history and a minimum of 12 credits of dissertation credit, are required to complete the Ph.D. in history. Upon entering the program, all students will develop a Plan of Study with the approval of the Graduate Program Director.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a writing sample and a personal statement to be considered for admission.

The submission of GRE scores is optional.

The Ph.D. program admits only a few highly-qualified students each year. To enroll in the program, students must first obtain a M.A. in History, as well as a B.A. in History or a closely-related field.

## Degree Program Requirements

**Required:** 48-84 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (18-36 credits)</b>		
HIS 701	Colloquium in American History before 1865	3
HIS 702	Colloquium in American History after 1865	3
HIS 714	Varieties of Teaching	3
HIS 716	Graduate Colloquium in World History	3
HIS 750	PhD Readings Course <sup>1</sup>	3-12

<sup>1</sup> Students may repeat HIS 750 and HIS 751 as needed up to a maximum of 12 credit each with approval of their advisory/dissertation committee and the Graduate Program Director.

<sup>2</sup> As described in the Major Field and Minor Fields sections below.

<sup>3</sup> If not taken at the M.A. level or equivalent.

## Research and Historiography

If the Graduate Program Director should conclude that an admitted Ph.D. candidate did not perform at least 6 credits of substantive research during the M.A. degree program or earned an M.A. in an area of history other than U.S. history, then the student will be required to complete up to 6 credits of additional research. These additional research credits will ordinarily include HIS 703 M.A. Research Project I and HIS 709 Introductory Research Seminar.

## Electives in U.S. Major Field

In addition to the core requirements, students must complete 6 credits of HIS graduate courses in their major field. HIS 692 Advanced Topics in History may not be counted for Ph.D. credit. Consult with the Graduate Program Director for course offerings.

## Electives in Minor Fields

With the approval of the student's advisory/dissertation committee and the Graduate Program Director, doctoral students will choose and define two minor fields. Each minor field will consist of 6 credits of HIS graduate courses. Where appropriate, and with the permission of the Doctoral Advisory/Dissertation Committee and Graduate Program Director, students may take a maximum of one course (3 credits) at the 600-level or above outside the Department of History as part of their minor fields. All course work applied toward the minors must be approved by the Graduate Program Director and listed on the student's Plan of Study.

- **Minor Field.** The minor field must demonstrate temporal, methodological, or geographical diversity from the major field. Students may select a minor field from:
  - either of the two major fields (pre-1865 U.S. History or post-1865 U.S. History), or
  - the list of specified minor fields, or
  - a self-defined minor field with the permission of their main advisor, minor field advisors, and the Graduate Program Director.
- **Non-U.S. Minor Field.** Students may select the non-U.S. minor field from:

- the list of specified minor fields, or
- a self-defined minor field that demonstrates geographical diversity from the major field with the permission of their main advisor, minor field advisors, and the Graduate Program Director.

### Minor Fields List

- Public History
- American South
- American Indian
- Russia/Soviet Union
- Modern European History
- Medieval European History
- Intellectual History
- Borderlands
- Historical Memory
- Modern Britain, Ireland, British Empire
- Modern Germany
- East/Southeast Asia
- Atlantic World
- Urban History
- Cold War
- Environment and Landscape
- African American History
- Race
- Human Rights and Social Justice
- Slavery
- Migration Studies
- Women, Gender, and Sexuality
- Transnational
- Social Movements

- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

### Faculty Mentor

A mentor must be named after 9 credits of course work. Normally, the mentor will be the graduate faculty member in the Department whose research and teaching interests most closely correspond to those of the student. Prospective mentors must agree to serve on the committee. Mentors will be responsible for the pedagogical, scholarly, and professional development of their students during their program of study, will chair their Doctoral Advisory/Dissertation Advisory Committee, and will direct the student's dissertation.

### Permission to Proceed and Grade Point Average (GPA)

All students in the Ph.D. program must obtain "permission to proceed" at the end of their first year of courses (normally 18 credits). This permission is granted by a collective decision of the Doctoral Advisory/Dissertation Committee and the departmental Graduate Committee.

Students must maintain a 3.5 GPA to proceed to the writing of the dissertation.

### Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Foreign Language Requirement
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal

# Informatics and Analytics

*College of Arts and Sciences*

Forest Building  
500 Forest Street  
<https://informatics.uncg.edu/>

**Prashanti Manda**, *Graduate Program Director*

In our data-driven world, skills to manage data and extract information from it are increasingly valuable throughout business and society. The Master of Science in Informatics and Analytics program aims at teaching such skills to a broad and diverse spectrum of students, whose backgrounds need not be in the quantitative sciences.

**Professor**

David Robert Bickel

**Associate Professor**

Prashanti Manda<sup>G</sup>

**Assistant Professor**

Aaron Kyle Beveridge<sup>G</sup>

**Lecturer**

Somya Darsan Mohanty<sup>G</sup>

Neelu Sharma

- Informatics and Analytics, M.S. (p. 386)

## Informatics and Analytics, M.S.

The Master of Science in Informatics and Analytics develops leaders and problem-solvers who possess the knowledge and skill to thrive in the data science industry.

The program includes six interdisciplinary courses that establish a strong foundation in data science principles. In addition to the core program, students specialize in a concentration of interest.

The hallmark of the UNC Greensboro program is a unique capstone experience that links knowledge-with-practice and equips graduate students with key skills for professional success.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a statement of purpose that outlines their career goals, how the M.S. in Informatics and Analytics will advance their career goals, and how their background has prepared them to enter the program.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Interdisciplinary Foundational Core (18 credits)</b>		
IAF 601	Introduction to Data Analytics-Methods and Approaches	3
IAF 602	Statistical Methods for Data Analytics	3
IAF 603	Preparing Data for Analytics	3

IAF 604	Machine Learning and Predictive Analytics	3
IAF 605	Data Visualization	3
IAF 606	Solving Problems with Data Analytics	3
<b>Disciplinary Concentration (12 credits)</b>		
Select 12 credits in one of the concentrations		12
<b>Total Credit Hours</b>		<b>30</b>

### Advanced Data Analytics Concentration

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
IAA 621	Statistical Computing	3
IAA 622	Complex Data Analysis	3
<b>Elective Course (3 credits)</b>		
Select one course (3 credits) from the following:		3
IAA 623	Categorical Data Analysis	
IAA 624	Multivariate Analysis	
IAA 625	Survey Sampling	
<b>Required Capstone (3 credits)</b>		
IAA 689	Capstone Project in Advanced Data Analytics	3
<b>Total Credit Hours</b>		<b>12</b>

### Bioinformatics Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
IAB 620	Introduction to Bioinformatics	3
IAB 621	Bioinformatics	3
IAB 622	Advanced Bioinformatics	3
IAB 689	Capstone Project in Bioinformatics	3
<b>Total Credit Hours</b>		<b>12</b>

### Computational Analytics Concentration

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
IAC 620	Algorithm Analysis and Design	3
IAC 621	Data Science	3
IAC 622	Big Data and Machine Learning	3
<b>Required Capstone (3 credits)</b>		
IAC 689	Capstone Project in Computational Analytics	3
<b>Total Credit Hours</b>		<b>12</b>

### Cultural Analytics Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
IAL 620	Text Mining and Natural Language Processing	3
IAL 621	Content Analysis for Social Network Data	3
IAL 622	The Internet of Things and Wearable Analytics	3
IAL 689	Capstone Project in Cultural Analytics	3
<b>Total Credit Hours</b>		<b>12</b>

## Health Informatics Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
IAH 630	Fundamentals of Health Informatics	3
IAH 631	Artificial Intelligence in Health Care	3
IAL 632	Ethics and Intellectual Property for Informatics and Analytics	3
IAH 689	Capstone Project in Health Informatics	3
<b>Total Credit Hours</b>		<b>12</b>

Please consult with an advisor to determine how the course taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Informatics and Analytics remain the same.

## Sports Analytics Concentration (courses pending approval)

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
IAS 620	Fundamentals of Sports Analytics	3
IAS 621	Sports Performance Analytics	3
IAS 622	Sports Management Analytics	3
IAS 689	Capstone Project in Applied Sports Analytics	3
<b>Total Credit Hours</b>		<b>12</b>

## Accelerated B.A. or B.S. to M.S. in Informatics and Analytics

### Application and Admission

Undergraduate students at UNC Greensboro may apply for admission to the Accelerated Master's Program (AMP) and the M.S. in Informatics and Analytics if they have a cumulative undergraduate GPA of at least 3.5 in a related major and are in their junior year. Transfer students may apply if their cumulative GPA from their previous institution was at least a 3.0, or if they have earned a 3.0 (with a 3.5 in courses related to the major) at UNCG during their first semester.

All applicants must complete the Accelerated Master's Program information when applying for the M.S. in Informatics and Analytics.

Applicants must provide three letters of recommendation, a resume, and a statement of purpose. It is strongly encouraged that those wishing to enter the program have taken an introductory statistics course and have some programming experience.

### Courses

Admitted students may apply up to 12 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements:

Code	Title	Credit Hours
IAF 601	Introduction to Data Analytics-Methods and Approaches	3
IAF 602	Statistical Methods for Data Analytics	3
IAF 603	Preparing Data for Analytics	3
IAF 604	Machine Learning and Predictive Analytics	3
IAF 605	Data Visualization	3
IAF 606	Solving Problems with Data Analytics	3

# Interior Architecture

*College of Arts and Sciences*

102 Gatewood Studio Arts Building  
336-334-5320  
<https://iarc.uncg.edu>

**Lucinda Havenhand**, *Department Head and Director of Undergraduate Studies*

**Travis Hicks**, *Associate Department Head and Graduate Program Director*  
**Matthew Jones**, *Coordinator of Admissions and First-Year*

## About

Interior Architecture is a holistic and integrative practice dedicated to the design and making of interior environments that support the human experience. As a discipline, Interior Architecture interweaves the arts and the sciences, discipline, both mutually informing and connecting with the allied disciplines of interior design, architecture, art, historic preservation, engineering, and graphic, industrial, and product design.

## Undergraduate

The Interior Architecture program is structured as a continuing sequence of studio courses that help the student develop a deepening mastery of the processes of designing architectural interiors. The first year presents small-scale problems that take the student through the total design process, from problem identification to graphic communication of the solution. Methods of drawing, making, and craft are emphasized. Second-year design studios focus on the development of interior design skills such as space planning, the satisfaction of human needs, and attention to function within the context of interior spaces. Visual communication skills are stressed. Third- and fourth-year studio courses engage students with typical interior environments, with emphasis on institutional and commercial interiors, but also including residential design, historic restoration, adaptive reuse, and interior product design. The curriculum is highly sequenced, requiring students to successfully complete courses at one level before progressing to the next. Attention is also directed toward the environmental needs of special populations. The Interior Architecture Internship provides opportunities for experiential learning in design practice through private design firms, government agencies, or health care facilities.

## Accreditation

The Interior Architecture program is accredited by the Council for Interior Design Accreditation (CIDA).

## Departmental Admission

Entry into the Interior Architecture program requires a secondary application at <https://apply.uncg.edu/apply/?sr=2c690277-620b-4cd1-81e3-2f29b2fecf21>. Enrollment is limited. Students are admitted on evidence of scholastic and design potential, motivation, and self-direction. A personal interview or group orientation during a scheduled Open House is highly recommended. Students may not enroll in interior architecture courses without formal admission to the Interior Architecture program or written permission from the instructor. Students accepted as Pre-Interior Architecture majors by the university must also complete the secondary application to gain acceptance into the program and complete the BFA degree sequence.

Transfer students must also complete the secondary application at <https://apply.uncg.edu/apply/?sr=2c690277-620b-4cd1-81e3-2f29b2fecf21>. Additionally, they must submit a portfolio and transcript evidence of art and design skills acquired through prior course work if they wish to be considered for advanced placement in the program. Only students who have previously taken art, architecture, design, or interior design courses can be considered for advanced placement.

## Graduate

The Master of Fine Arts (M.F.A.) in Interior Architecture offers students a venue for advanced investigations of the built environment in close collaboration with faculty mentors. Students pursuing an M.F.A. in Interior Architecture develop their own intellectual interests in design while preparing for careers in teaching, research, or specialized practice.

The program offers distinctly strong student-faculty relationships, where students work closely with faculty members to gain expertise. The Department of Interior Architecture supports a broad range of student interests reflecting IARc's values of promoting sustainable design for social, psychological, and ecological well-being. The department offers particular strengths in historic preservation, interior product design, community-engaged design, and human-environment relationships.

The M.F.A. is a post-professional degree program.

### Professor

Lucinda Kaukas Havenhand<sup>G</sup>  
Travis Lee Hicks<sup>G</sup>

### Associate Professor

Amanda Jane Gale<sup>G</sup>

### Assistant Professor

Asha Kutty<sup>G</sup>  
E Stephen Skorski<sup>G</sup>  
Derek Scott Toomes<sup>G</sup>

### Academic Professional Assistant Professor

Matthew Bradley Jones<sup>G</sup>

### Lecturer

Kate S Horton  
Cameron Scott John  
Kista Mansell  
Jamaul Alejandro Redmond

### G Graduate-level faculty

- Interior Architecture, B.F.A. (p. 388)
- Design Studies Undergraduate Minor (p. 389)
- Historic Preservation Undergraduate Minor (p. 390)
- Interior Architecture, M.F.A. (p. 390)
- Historic Preservation, Post-Baccalaureate Certificate (p. 392)

## Interior Architecture, B.F.A.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.

## Degree Program Requirements

Code	Title	Credit Hours	
University Requirements (p. 849)			<b>6 credits of Honors course work in the major</b>
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)			<b>3 credits of Honors course work in the major or another area</b>

## Major Requirements

Code	Title	Credit Hours	
<b>Studio Courses</b>			
IAR 101	Environmental Design I		
IAR 102	Environmental Design II		
IAR 201	Basic Environmental Design III		
IAR 202	Basic Environmental Design IV		
IAR 301	Interior Architecture I		
IAR 302	Interior Architecture II		
IAR 411	Interior Architecture III		
IAR 412	Interior Architecture IV		
<b>Support Courses</b>		<b>45</b>	
IAR 110	Design Visualization I		
IAR 112	Design Visualization II		
IAR 124	Introduction to Sustainable Design		
IAR 211	Visual Communication I		
IAR 212	Visual Communication II		
IAR 221	History and Theory of Design I		
IAR 222	History and Theory of Design II		
IAR 311	Computer-Aided Design for Interior Architecture		
IAR 331	Social and Behavioral Aspects of Interior Architecture		
IAR 332	Interior Architecture Materials		
IAR 333	Interior Architecture Construction and Building Systems		
IAR 434	Design Seminar *		
IAR 451	Professional Practice in Interior Architecture		
IAR 452	Internship in Interior Architecture		

\* IAR 434 is taken twice (for 6 credit hours total) with two different themes.

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Disciplinary Honors in Interior Architecture

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours	
<b>Required</b>			
IAR 412	Interior Architecture IV	3-6	<b>6 credits of Honors course work in the major</b>
or HSS 490	Senior Honors Project		<b>3 credits of Honors course work in the major or another area</b>

**6 credits of Honors course work in the major**

**6**

**3 credits of Honors course work in the major or another area**

**3**

### Recognition

Receive a Certificate of Disciplinary Honors in Interior Architecture; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Asha Kutty at [a\\_kutty@uncg.edu](mailto:a_kutty@uncg.edu) for further information and guidance about Honors in Interior Architecture. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.F.A to M.F.A.

### Application and Admission

Qualified undergraduate IARc majors may apply for admission to the graduate program at the end of the Fall semester of the third year in the B.F.A. program. Once admitted, a student may earn a B.F.A. and a M.F.A. in five years (including Summer sessions). A cumulative GPA of at least 3.5 in the B.F.A. program is required. Additionally, standard application requirements for the M.F.A. in Interior Architecture include undergraduate transcripts, portfolio review, TOEFL scores for international students, recommendations, a personal statement and a personal interview (optional).

All applicants must complete the Accelerated Master's Program (AMP) information when applying for admission to the graduate degree program.

### Courses

Courses to be counted for the M.F.A. program must receive prior approval of the IARc Graduate Program Director. Admitted students may apply a maximum of 18 credits of graduate level course work toward completion of both the B.F.A. and M.F.A., provided a grade of B or better is earned in each graduate course and that graduate level requirements are fulfilled.

The M.F.A. degree requires 60 credits of graduate-level course work, and the B.F.A. requires 120 credits. Assuming 18 credits are double-counted for both degrees, students would need to complete an additional 42 credits of graduate courses to complete the M.F.A. degree.

The following courses (18 credits) may be counted toward both the B.F.A. and M.F.A. degrees:

Code	Title	Credit Hours
IAR 501	Advanced Interior Architecture I	6
IAR 502	Advanced Interior Architecture II	6
IAR 565	Materials and Methodologies Seminar *	3
IAR 600	Supervised Professional Experience	3

\* Or an elective IAR 500-level, 3-credit course.

Substitutes for the above courses require permission of the IARc Graduate Program Director.

## Design Studies Undergraduate Minor

A minor in Design Studies is available for majors outside the Department of Interior Architecture. The minor requires a total of 18 credit hours

selected from the list provided. Applicants are required to attend an open house, meet with the Director of Undergraduate Studies or the Department Chair in IARc. Once admitted into the Design Studies minor, the student meets with the Department Chair to identify appropriate courses to take. The plan of study for the minor can be designed to focus on sustainability, design thinking, design theory, entrepreneurship, historic perspectives, or design fundamentals.

Students interested in a Design Studies minor must consult with an IARc advisor before declaring the minor. A cumulative GPA of C (2.0) or better must be achieved in the courses taken toward a minor.

#### Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
<i>Select 18 credits of the following: *</i>		
<i>IAR 101 Environmental Design I</i>		
IAR 102	Environmental Design II	
IAR 110	Design Visualization I	
IAR 112	Design Visualization II	
IAR 221	History and Theory of Design I	
IAR 222	History and Theory of Design II	
IAR 321	Design Thinking and/or Entrepreneurial Thinking	
IAR 331	Social and Behavioral Aspects of Interior Architecture	
IAR 332	Interior Architecture Materials	
IAR 427	Problems in Interior Architecture	
IAR 443	Historic Preservation: Principles and Practice	
IAR 451	Professional Practice in Interior Architecture	

\* Additional IAR curriculum courses and electives may be taken with the approval of the IAR advisor and the corresponding course instructor.

## Historic Preservation Undergraduate Minor

### Admission Requirements

Apply to minor via the UNCG Minor Request Form. Submit a one-page statement of our interest in the program directly to the HP Coordinator via email. Students must have a 2.5 GPA or higher to qualify for the minor.

### Program Requirements

- Minimum of 15 credit hours.
- A GPA of 2.0 or better must be achieved in the courses taken toward the minor.

Code	Title	Credit Hours
<b>Core Requirements</b>		
IAR 424	History of American Landscapes and Architecture	9
IAR 443	Historic Preservation: Principles and Practice	
IAR 455	Field Methods in Preservation Technology	

### Approved Electives \*

6

Select 6 credits from the list below:

IAR 124	Introduction to Sustainable Design
IAR 221	History and Theory of Design I
IAR 222	History and Theory of Design II
IAR 452	Internship in Interior Architecture
ATY 113	Engaging Culture
ATY 360	Methods in Archaeology
ECO 315	The Economics of Entrepreneurship
ECO 323	Public Economics
GES 105	Introduction to Human Geography
GES 302	Urban Geography: Sustainable Land Use
GES 402	Sustainable Urban Planning in an Entrepreneurial Environment
HIS 317	Introduction to Public History
HIS 405	Intro to Archival Management
HIS 412	Public History
HIS 447	History Museum Curatorship: Collections Management
PSC 310	Public Administration
PSC 311	The Nonprofit Sector and Governance
PSC 313	Natural Resources Law and Policy
PSC 435	Citizen Participation in Policy-Making
PSC 440	Nonprofit Management and Leadership

\* The following courses may be taken with the approval of the HP Coordinator: IAR 301, IAR 302, IAR 411, IAR 412, and IAR 434.

## Interior Architecture, M.F.A.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit the following items to the department:

- 1-2 page personal statement including the reason for applying to the M.F.A. program in Interior Architecture at UNC Greensboro, how it relates to the candidate's career goals, and what they may want to specialize in and why, if admitted.
- Portfolio of design work. Representative examples of design work including short written descriptions of the projects to provide an overview of the candidate's design skills and design experience. Examples of 2-D or 3-D art work could be included, if applicable.

Applicants will be invited for a personal interview face-to-face or online after all the documents for admission are submitted.

An undergraduate degree in interior design or interior architecture is preferred. Candidates who do not hold an undergraduate degree in interior design or interior architecture but are graduates of a related environmental design program, such as architecture, industrial design, etc., may be required to complete specific undergraduate prerequisite courses in interior architecture as a part of their graduate studies. Such decisions would be based upon an individual evaluation of credentials, portfolio, and design experience.

Individuals who have completed a M.S. or a M.A. degree in Interior Architecture, Design, or a related field who wish to pursue a terminal M.F.A. may apply to the program.

## Degree Program Requirements

**Required:** 60 credit hours

### Research Track

Code	Title	Credit Hours
<b>Required Studio Courses (18 credits)</b>		
IAR 501	Advanced Interior Architecture I	6
IAR 502	Advanced Interior Architecture II	6
IAR 602	Advanced Interior Architecture III	6
<b>Required Core Courses (6 credits)</b>		
IAR 631	Advanced Scholarship in Interior Architecture	3
IAR 645	Introduction to Scholarship in Interior Architecture	3
<b>Electives in Area of Specialization (30 credits)</b>		
Select 30 credits of electives from 500- and 600-level IAR courses or related courses in other departments *		30
<b>Thesis (Capstone Experience) (6 credits)</b>		
IAR 699	Thesis	6
<b>Total Credit Hours</b>		<b>60</b>

\* With prior approval of the Graduate Program Director or the student's thesis chair.

### Studio Track

Code	Title	Credit Hours
<b>Required Studio Courses (18 credits)</b>		
IAR 501	Advanced Interior Architecture I	6
IAR 502	Advanced Interior Architecture II	6
IAR 602	Advanced Interior Architecture III	6
<b>Required Core Courses (6 credits)</b>		
IAR 565	Materials and Methodologies Seminar	3
IAR 631	Advanced Scholarship in Interior Architecture	3
<b>Electives in Area of Specialization (27 credits)</b>		
Select 27 credits of electives from 500- and 600-level IAR courses or related courses in other departments *		27
<b>Internship/Professional Experience (3 credits)</b>		
Select one course (3 credits) from the following:		3
IAR 600	Supervised Professional Experience	
IAR 690	Internship	
or HIS 690	Internship	
<b>Studio Project (Capstone Experience) (6 credits)</b>		
IAR 603	Capstone Studio Project	6
<b>Total Credit Hours</b>		<b>60</b>

\* With prior approval of the Graduate Program Director or the student's thesis chair.

### Electives in Area of Specialization

With prior approval of the Graduate Program Director or the student's thesis chair, students will select either 30 credits of electives for the Research Track or 27 credits for the Studio Track in an area of specialization from 500- and 600-level courses in IAR or courses in related departments ART, ERM, HEA, HIS, LIS, MAS, and PSC.

### Internship/Professional Experience

With prior approval of the student's thesis chair and the Graduate Program Director, students in the Studio Track will select a minimum of 3 credits of internship or professional experience. Both courses can be taken twice for credit.

### Thesis or Capstone Studio Project

The student will complete a 6-credit Thesis or Capstone Studio Project. For the Research Track, students will participate in a public discussion of the thesis with other students and faculty members. The student's thesis committee will be responsible for reviewing and approving the successful completion of the thesis. Credit may be divided over two or more semesters. Students can opt to defend their thesis in the Spring or Summer semester of their second year or Fall semester of the third year. For the Studio Track, students will present their complete capstone studio project in a public exhibition.

### Students Entering with a M.A. or M.S. Degree

Students who are admitted and enroll in the M.F.A. in Interior Architecture who have completed a previous M.S. or M.A. degree in Interior Architecture, Design, or a related field may have up to 24 credits of course requirements waived from the 60 total credits required for the M.F.A. Each student will be evaluated individually by reviewing their transcript, portfolio, and professional activities to determine the amount of course credits that will be waived from their program requirements. Students must complete at least 36 credits at UNC Greensboro; at least half of the credits completed to earn the M.F.A. must be in courses at the 600-level or higher. Students entering the M.F.A. with a M.S. or a M.A. may select either the Research Track or the Studio Track.

## Accelerated B.F.A to M.F.A. in Interior Architecture

### Application and Admission

Qualified undergraduate IARc majors may apply for admission to the graduate program at the end of the Fall semester of the third year in the B.F.A. program. Once admitted, a student may earn a B.F.A. and a M.F.A. in five years (including Summer sessions). A cumulative GPA of at least 3.5 in the B.F.A. program is required. Additionally, standard application requirements for the M.F.A. in Interior Architecture include undergraduate transcripts, portfolio review, TOEFL scores for international students, recommendations, a personal statement and a personal interview (optional).

All applicants must complete the Accelerated Master's Program (AMP) information when applying for admission to the graduate degree program.

### Courses

Courses to be counted for the M.F.A. program must receive prior approval of the IARc Graduate Program Director. Admitted students may apply a maximum of 18 credits of graduate level course work toward completion

of both the B.F.A. and M.F.A., provided a grade of B or better is earned in each graduate course and that graduate level requirements are fulfilled.

The M.F.A. degree requires 60 credits of graduate-level course work, and the B.F.A. requires 120 credits. Assuming 18 credits are double-counted for both degrees, students would need to complete an additional 42 credits of graduate courses to complete the M.F.A. degree.

The following courses (18 credits) may be counted toward both the B.F.A. and M.F.A. degrees:

Code	Title	Credit Hours
IAR 501	Advanced Interior Architecture I	6
IAR 502	Advanced Interior Architecture II	6
IAR 565	Materials and Methodologies Seminar *	3
IAR 600	Supervised Professional Experience	3

\* Or an elective IAR 500-level, 3-credit course.

Substitutes for the above courses require permission of the IARc Graduate Program Director.

## Historic Preservation, Post-Baccalaureate Certificate

The 15-credit hour Post-Baccalaureate Certificate in Historic Preservation provides graduate students in history, interior architecture, and related fields training and credentials to pursue careers in historic preservation, management of historic sites, and related public history professions. The certificate can be earned in tandem with the M.F.A. in Interior Architecture, another graduate degree, or as a stand-alone certificate. The certificate course work may be completed through a combination of online and in-person courses.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 750-word personal statement.

Applications for the certificate program may be submitted through the Graduate School portal at <https://grs.uncg.edu/apply-now/>.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (9 credits)</b>		
IAR 543	Historic Preservation: Principles and Practice	3
IAR 624	History of American Landscapes and Architecture	3
Select one course (3 credits) from the following: *		3
IAR 555	Field Methods in Preservation Technology	
IAR 600	Supervised Professional Experience	
IAR 690	Internship	
<b>Electives (6 credits)</b>		
Select 6 credits from the following: **		6
IAR 501	Advanced Interior Architecture I	

or IAR 502	Advanced Interior Architecture II
IAR 530	Introduction to Public Interest Design
IAR 555	Field Methods in Preservation Technology
IAR 625	Preservation Planning and Law
CTR 611	Foundations of Recreation and Parks
CTR 613	Recreation and Parks Management
ECO 631	Applied Policy Methods
ECO 736	Public Economics
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment
GES 632	Geography of Livable Cities
HIS 547	History Museum Curatorship: Collections Management
HIS 626	The Practice of Public History
HIS 627	Museum and Historic Site Interpretation: Principles and Practice
HIS 631	Digital History
PSC 520	Urban Political System
PSC 540	Nonprofit Management and Leadership
PSC 600	Public Administration and Management
PSC 613	Local Government Administration
PSC 630	Community and Economic Development Theory and Practice

**Total Credit Hours** 15

\* Students with appropriate professional work experience may substitute an elective for the practicum/internship requirement with prior approval of the Graduate Program Director.

\*\* Other electives may be substituted as approved by the program coordinator.

# Languages, Literatures, and Cultures

*College of Arts and Sciences*

2321 Moore Humanities and Research Administration  
336-334-5655  
<https://llc.uncg.edu>

**Roberto E. Campo**, Department Head

**Ana Hontanilla**, Associate Department Head

**Claudia Cabello Hutt**, Graduate Program Director

**Cybelle McFadden**, Graduate Program Advisor, Director of Undergraduate Studies in LLC (includes concentrations in French and Francophone Studies, German Studies, Global Languages & Communities GLC), Program Advisor for French and Francophone Studies and GLC

**Kelly Pereira**, Director of Undergraduate Studies in Spanish, Director of Language Instruction for Spanish Heritage Students

**Catherine Viano-Laughon**, Director of Language Instruction for the French Basic Language Program

**Vacant**, Director of Language Instruction for the Spanish Basic Language Program

## Mission

The mission of the Department is to impart an understanding of world languages, literatures, and cultures within the context of a liberal and humanistic education. We afford students experiences that highlight oral and written literacy, literary analysis, critical skills, and cultural and aesthetic appreciation through instruction in literature, culture, and linguistics in various languages, including American Sign Language, Arabic, Chinese, French, German, Japanese, Korean, Russian, and Spanish.

Through engaged teaching, innovative research, diverse creative activity, and dedicated service, the Department strives to:

- Communicate an understanding of languages, literatures, and cultures within the context of a humanistic liberal education;
- Connect with individuals and communities within the department, across the campus, the state, the nation, and the world to foster a culture of meaningful intellectual inquiry, participatory and life-long learning that promotes respect for all;
- Contribute to the University's strategic goal of internationalizing the campus as we prepare our students to excel in a variety of professions and graduate studies.

## Programs

The Department offers the programs listed below.

- Languages, Literatures, and Cultures major with the following concentrations:
  - Applied Languages: French K–12 Teaching Licensure
  - Applied Languages: Spanish K–12 Teaching Licensure
  - French and Francophone Studies
  - German Studies
  - Global Languages and Communities
- Spanish Major
- Minors: American Sign Language, Chinese, French, German, Russian, and Spanish
- The Department also offers a sequence of courses in Arabic, Japanese, and Korean.

The Department contributes to various concentrations in the International and Global Studies program and the major in International Business Studies. We take very seriously our role in preparing students to apply their liberal arts education to future careers in areas such as education, business, health professions, and public service. We also offer Master of Arts and Master of Education degrees with concentrations in French and Spanish and a Post-Baccalaureate Certificate in Advanced Spanish Language and Hispanic Cultural Studies to provide further scholarly and professional training.

Through its courses, degree programs, and co-curricular activities, the Department contributes to the university's goal of promoting diversity and internationalizing the curriculum. We foster students' abilities to communicate within a global context and to reflect on their own heritage by supporting exchange and study abroad programs. The Department is also committed to promoting an atmosphere in which creativity and scholarly accomplishment may flourish for both students and faculty. Through our engaged teaching, innovative research and creative activity, and dedicated service, the faculty works to improve pedagogy, scholarship, and the community.

The Department promotes co-curricular activities through language clubs, honorary societies, film series, and other opportunities. Paid or unpaid internships requiring foreign language skills are increasingly available. Students may elect to live in the Global Village or UNC Greensboro's International House and are encouraged to participate in study abroad opportunities through UNC Greensboro's International Programs Center or through Summer Study Abroad sponsored by the Department.

German Studies and Russian Studies Consortia offer a broad array of German and Russian courses in language, literature, and culture taught by specialists in the UNC system through the N.C. Information Superhighway.

Students with special learning needs may qualify for the Modified Foreign Language Program in Spanish. Registration in the program requires written permission from the Department. Native or near-native speakers must consult with an appropriate departmental advisor before signing up for courses in the Department of Languages, Literatures, and Cultures. Students with one or more years of Chinese or Japanese must contact the course instructor or a departmental advisor before registering for courses.

Intermediate proficiency (equivalent to 204 or 241 level) is expected for major-level work in French, German, or Spanish. Students cannot receive credit for lower-level courses after taking and receiving credit for higher level ones.

## Language Placement Test in French, German, Russian, or Spanish

Students with one or more years of high school French, German, Russian, or Spanish who wish to continue the study of that same language at UNC Greensboro must take the Language Placement Test.

Incoming transfer students returning to the study of French, German, Russian, or Spanish begun in high school but not previously pursued at the college level, **must** also take the test. Transfer students with college-level foreign languages credit are encouraged to take the placement test to determine their best starting point.

The Language Placement Test is administered at SOAR orientation sessions during the summer and before the beginning of each semester. The test may also be taken during the year on an individual basis,

by appointment, in the Department's office. Students should call the Department at 336-334-5655 to schedule their appointment.

Language Placement Test scores are valid for one year after the test is taken. The test can be taken only once a year. Once a student has begun the lower-level sequence (101–204/241), she or he cannot retake the placement test in order to place out of any of the remaining courses in the sequence.

A student who scores at the interview-stage level and is planning to continue in the language at the 300 level should consult the Director of Undergraduate Study for the appropriate language or another designated faculty member before registering for any other course in the language. The advisor will interview the student in order to determine his or her placement at the 300 level or recommend courses at the intermediate level to reinforce the student's background in language.

If a student who scores at the interview-stage level does not plan to continue study in the language, the Department of Languages, Literatures, and Cultures will confirm the student's Language Placement Test scores with the University Registrar's Office, and the student will be considered as having met the foreign language requirement at UNC Greensboro.

Students in need of additional advising or with concerns regarding the placement results are asked to make an appointment with a designated faculty member.

## Graduate Studies

The Department of Languages, Literatures, and Cultures, as part of its commitment to further the study of foreign languages and literatures both regionally and nationally, offers the Master of Arts (M.A.) in Languages, Literatures, and Cultures with a concentration in French and Francophone Studies or Spanish. Students may choose from a broad spectrum of courses and possibilities, whether they are interested in perfecting their knowledge of French or Spanish or pursuing doctoral studies. Each program is balanced and comprehensive while allowing for electives in French, Spanish, or a related field. A Masters of Arts in Teaching (M.A.T.) and a Masters of Education (M.Ed.) in Teacher Education with a concentration in French Education or Spanish Education are also offered. Most graduate classes are offered in the late afternoon, evening, or online to accommodate working professionals.

### Professor

Veronica Grossi<sup>G</sup>

Ana M Hontanilla<sup>G</sup>

Ignacio Lopez<sup>G</sup>

### Associate Professor

Mariche G Bayonas<sup>G</sup>

Kelly Anne Lowther Pereira<sup>G</sup>

Kathleen S Macfie<sup>G</sup>

Cybelle H. McFadden<sup>G</sup>

Faye Stewart

### Assistant Professor

Xiao Rao

### Academic Professional Assistant Professor

Elyssa Suzanne Fenton

### Senior Lecturer

Tatia Dorita Beal

Sarah M Carrig

Guylene M Deasy  
Karen M. DeNaples  
Peter T. Dola  
Maria M. Freeman  
Alejandro Hortal<sup>G</sup>  
Wendy K. Jones-Worden  
Meiqing Sun  
Chiaki Takagi  
Jose Felipe Troncoso

### Lecturer

Jessica Y Bennett  
River River Bondurant  
Amy Brabeck  
Nicholas Ryan Brown  
Tina Marie Hanford  
Mary Ann Horley  
Richard Matthew Morgan Hronek  
Daniel Tae-Suk Kim  
Kraig Carl Klingenberg  
Elin Leah Limburg  
Liliana Lira-Rivera  
Laura Lopez  
Joshua Lunsford  
Kevin M Reese  
Molly Rose Reininger  
Guadalupe Salinas Fernandez  
Catherine Ann Viano Laughon

### G Graduate-level faculty

- Languages, Literatures, and Cultures, B.A. (p. 394)
- Spanish, B.A. (p. 401)
- American Sign Language Undergraduate Minor (p. 403)
- Chinese Undergraduate Minor (p. 403)
- French and Francophone Studies Undergraduate Minor (p. 403)
- German Undergraduate Minor (p. 404)
- Russian Undergraduate Minor (p. 404)
- Spanish Undergraduate Minor (p. 404)
- Languages, Literatures, and Cultures Second Academic Concentration (p. 404)
- Languages, Literatures, and Cultures, M.A. (p. 407)
- Master of Arts in Teaching, M.A.T. (p. 409)
- Teacher Education, M.Ed. (p. 410)
- Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate (p. 411)

## Languages, Literatures, and Cultures, B.A.

The B.A. in Languages, Literatures, and Cultures provides opportunities for language-based global engagement. Students gain linguistic and intercultural competencies applicable to many fields.

All students in the major take a course in the common core and complete a high-impact Intercultural Experience requirement that can be met by study abroad, an LLC service-learning course, residence in the Global Village learning community, certificate of completion of the Global

Leadership Program, Disciplinary Honors, or approval by the Program Director.

## **Student Learning Outcomes**

Upon completion of the B.A. in Languages, Literatures, and Cultures, students will:

1. Communicate an understanding of languages, literatures, and cultures within a global context;
2. Speak, read, write, and comprehend the language(s) studied with sufficient ease to allow them to communicate effectively across cultures;
3. Demonstrate the ability to communicate in a culturally-informed manner in international, intercultural and/or multicultural contexts in order to connect meaningfully with individuals and communities across the campus, the state, the nation, and the world;
4. Understand the importance of transcultural encounters and employ intercultural competencies essential for success in our increasingly diverse global societies.

## **French and Francophone Studies Concentration**

### **Admission Requirements**

Students may declare their major at the Intermediate level of the French Basic Language Program (FRE 203 and/or FRE 204 or FRE 241).

### **Progression Requirements**

- Students starting at the FRE 203 level:
  - must complete 30 credits in French/Francophone or related course work (including FRE 203 and FRE 204).
- Students starting at the FRE 204 (OR FRE 241) level:
  - must complete 27 credits in French/Francophone or related course work (including FRE 204 or FRE 241).
- Students starting at the 300 level:
  - must complete 24 credits in French/Francophone or related course work.

## **German Studies Concentration**

### **Admission Requirements**

Students may declare their major at the Intermediate level of the German Basic Language Program (GER 203 and/or GER 204).

### **Progression Requirements**

- Students starting at the GER 203 level:
  - must complete 30 credits in German or German Studies-related course work (including GER 203 and GER 204).
- Students starting at the GER 204 level:
  - must complete 27 credits in German or German Studies-related course work (including GER 204).
- Students starting at the 300 level:
  - must complete 24 credits in German or German Studies-related course work.

## **Applied Languages: French Education Concentration**

### **Admission to the Languages, Literatures, and Cultures French K-12 Teaching Licensure Concentration**

A student who seeks admission to the French with K-12 Teaching Licensure Concentration is expected to achieve:

- A minimum grade point average (GPA) of 2.75 overall and in the major
- Completion of all courses needed to fulfill the General Education requirements
- Satisfactory scores on the Praxis I (ACT or SAT– See Praxis I substitution table for ACT, SAT, and Praxis I)

Students interested in the K-12 Teaching Licensure major must consult the Director of Undergraduate Studies in Languages, Literatures, and Cultures for early discussion of all requirements as well as the K-12 advisor. Additionally, students must request for early admission to the Teacher Education Program from the School of Education Office of Student Services. Candidates should apply for admission to the School of Education Office of Student Services at the end of their sophomore year and be admitted no later than the first semester of their junior year. Please review requirements on their webpage (<https://soe.uncg.edu/services/office-of-student-services-advising/teacher-education/>). Consult the Teacher Education Handbook for details.

### **Admission to Student Teaching**

During the Junior year, students already admitted to the Teacher Education Program must apply for admission to Student Teaching. Admission includes:

- Completion of requirements specific to the major.
- Eligibility to enter student teaching requires maintaining an overall GPA of 3.0 or better after being admitted to the major, and achieving a grade of C or better in each professional course. After admission to the major, if a student fails to maintain an overall GPA of 3.0, the student has one semester to improve their GPA. If a student receives a C- or lower in a professional course, the student is eligible to retake the course at its next offering.

Application forms are available online from the Office of Student Services in the School of Education. Forms must be submitted by February 15 for student teaching in the spring of the following year. Student teaching assignments are usually made in schools within commuting distance from UNC Greensboro. Teacher education students are individually responsible for expenses incurred during student teaching, including transportation. Note: Student teaching is offered only in the spring semester.

### **Application for Teacher Licensure**

An application for licensure should be filed with the School of Education Office of Student Services within two weeks of graduation. Students should be aware that the license process will take six weeks or longer after graduation to be completed. UNC Greensboro recommends for a teacher's licensure those students who have completed the appropriate teacher education curriculum, attained acceptable competencies, and whose work has been approved by the appropriate department.

To be licensed in North Carolina, students must meet all specific state requirements for licensure, including demonstration of technology competencies.

## Applied Languages: Spanish Education Concentration

### Admission to the Languages, Literatures, and Cultures Spanish K-12 Teaching Licensure Concentration

A student who seeks admission to the Spanish with K-12 Teaching Licensure Concentration is expected to achieve:

- A minimum grade point average (GPA) of 2.75 overall and in the major
- Completion of all courses needed to fulfill the General Education requirements
- Satisfactory scores on the Praxis I (ACT or SAT— See Praxis I substitution table for ACT, SAT, and Praxis I)

Students interested in the K-12 Teaching Licensure major must consult the Director of Undergraduate Studies in Languages, Literatures, and Cultures for early discussion of all requirements as well as the K-12 advisor. Additionally, students must request for early admission to the Teacher Education Program from the School of Education Office of Student Services. Candidates should apply for admission to the School of Education Office of Student Services at the end of their sophomore year and be admitted no later than the first semester of their junior year. Please review requirements on their webpage (<https://soe.uncg.edu/services/office-of-student-services-advising/teacher-education/>). Consult the Teacher Education Handbook for details.

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To be licensed in North Carolina, students must meet all specific state requirements for licensure, including demonstration of technology competencies.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- No requirement for a concentration can be met by a grade lower than C- with an overall GPA of 2.0.
- Students must complete a High Impact Intercultural Experience (HIIIE). One of the following must be met:
  - Study abroad
  - A service-learning course in the Department of LLC (such as LLC 389, LLC 399, or LLC 499)
    - Additional service-learning course options for the Languages, Literatures, and Cultures, B.A. Applied Languages Spanish K-12 Teaching Licensure Concentration include (SPA 302, SPA 310, SPA 321, and SPA 499).
  - Residence in a Global Village
  - Certificate of completion of the Global Leadership Program
  - Disciplinary Honors
  - Approval of the Director of Undergraduate Studies
- Students may only count two courses twice across the two LLC majors (Languages, Literatures, and Cultures, B.A. and Spanish, B.A.) including concentrations (i.e., Global Languages and Communities and Spanish, French and Francophone Studies and Global Languages and Communities).
  - Core course (LLC 120, LLC 130, LLC 222, and LLC 250)
    - 300-level and above courses in FRE, GER, and SPA
    - LLC 389, LLC 399, and LLC 499
- Only one course may count twice from the Languages, Literatures, and Cultures, B.A. Global Languages and Communities concentration to the following minors:
  - Chinese Undergraduate Minor
  - French and Francophone Studies Undergraduate Minor
  - German Undergraduate Minor
  - Russian Undergraduate Minor
  - Spanish Undergraduate Minor

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
<b>Required: LLC Core Course</b>		<b>3</b>
	<i>Select one course from the following:</i>	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	

LLC 222	Foundational Topics in Languages, Literatures, and Cultures
LLC 250	Global Cultures Through Film: Angles of Vision

## Concentration

Select one of the concentrations as detailed following the major requirements.

- French and Francophone Studies
- German Studies
- Global Languages and Communities
- Applied Languages: French K-12 Teaching Licensure
- Applied Languages: Spanish K-12 Teaching Licensure

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### French and Francophone Studies Concentration Requirements

- Minimum of 24 credits at the 300 level or above in French/ Francophone and related course work, including the courses listed below.
- No requirement for the major or concentration can be met by a grade lower than C-.

Code	Title	Credit Hours
		9

#### Language

Select 9 credits of the following:

FRE 301	Bridges to French Literature and Culture *
FRE 311	French Conversation and Phonetics
FRE 312	French Conversation and Culture
FRE 313	Conversation in France
FRE 315	Advanced Grammar and Composition: From Morphology to Meaning
FRE 410	The Theory and Practice of French Translation
FRE 497	Directed Study in French Language

#### Literature and/or Film

Select 9 credits of the following:

FRE 353	The French Imaginary: Fiction and Culture
FRE 407	Teaching French Thru French Lit
FRE 450	Tpcs French Literary Movements
FRE 451	Topics in French Prose Fiction
FRE 455	Topics in French and Francophone Literature and Film
FRE 456	Topics in French Theatre
FRE 457	Advanced Topics in French Literature
FRE 458	Topics in Francophone Lit
FRE 459	Topics in French Poetry
FRE 463	Studies in Film Genre

#### Culture and Civilization

Select 3 credits of the following:

FRE 332	Contemporary French Culture
FRE 341	Business French
FRE 433	French Francophn Civ / Culture

FRE 496	Directed Study in French and Francophone Civilization and Culture
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#### Electives

Select 3 credits from courses with the FRE course prefix at the 300 level and above

- \* The course is contingent. Qualifies only if taken before FRE 315 (or other courses above this course number).

### German Studies Concentration Requirements

- Minimum of 24 credits in German above the 204 level.
- No requirement for the major or concentration can be met by a grade lower than C-.

Code	Title	Credit Hours
		12

#### Literature or Culture

Select 12 hours from the following courses:

GER 217	German Texts That Changed the World I - Read in English *
GER 218	German Texts That Changed the World II - Read in English *
GER 222	The Holocaust in Literature and Art *
GER 305	German Literature: Advanced Intermediate Topics
GER 405	Advanced Topics in German Literature
GER 406	Advanced Topics in German Culture
GER 422	German Memory in Fiction and Film *
GER 491	Tutorial **
GER 492	Tutorial **
GER 493	Honors Work <sup>1</sup>

#### Electives

Select four additional GER courses above the 204 level.

- \* The courses listed are contingent. The courses count as a major credit only if a student also enrolls in GER 311 and/or 1 credit of GER 491 or GER 492 where an appropriate amount of speaking or reading or writing is done in German.

- \*\* German Studies Concentration students may take 1 credit of the following:

- GER 491
- GER 492

<sup>1</sup> GER 493 must be taken for 3 credits to qualify.

### Related Area Courses

The courses below are suggested but not required.

Code	Title	Credit Hours
ATY 385	Language and Culture	
ENG 201	European Literary Classics: Ancient to Renaissance	
ENG 339	Shakespeare: Early Plays and Sonnets	
ENG 340	Shakespeare: Later Plays	
HIS 376	German History, 1914-1945	
HIS 392	Nazi Germany & the Holocaust	
PHI 342	History of Modern Philosophy	

RUS 313	Major Authors in Russian Literature	
RUS 314	Major Movements in Russian Literature and Culture	
<b>Global Languages and Communities Concentration Requirements</b>		
Code	Title	Credit Hours
<b>Language Series **</b>		<b>12</b>
<i>Primary Language of Study</i>		
Complete a minimum of 12 credits in CHI, FRE, GER, JNS, RUS, or SPA courses taught in the language at or above the 300 course level *		
<i>Additional Language of Study</i>		
All majors must demonstrate proficiency at or above the 204 level in an additional language (other than English). Students taking Intermediate level courses to fulfill requirement may count 203/204. If you are a native speaker of another language other than English, please provide documentation to demonstrate that you have met this requirement. The program director may approve alternatives to meet this requirement.		
<b>LLC Service Learning Courses <sup>1</sup></b>		<b>3</b>
<i>Select one course from below or another service-learning course approved by the director.</i>		
LLC 389	LLC Service Learning	
LLC 399	Cultural Immersion through Community-Based Service Learning	
LLC 499	Community-Based Service Learning	
SPA 302	Spanish Language and Cultures for Heritage Speakers	
SPA 310	Advanced Spanish Language and Cultures for Heritage Speakers	
SPA 321	Spanish in a Public School Setting	
<b>Additional Courses <sup>2</sup></b>		<b>6-12</b>
LLC 355	Topics in Languages, Literatures, and Cultures	
LLC 455	Advanced Topics: Rebels and Revolutionaries in Languages, Literatures, and Cultures	
LLC 468	African History and Cultures through Film	

\*     • Must include courses that develop writing skills and textual analysis.  
     • A maximum of 3 credits achieved by Special Exam may count toward the major.

\*\* No more than 6 credits in an additional language sequence at the 101-204 level may count toward the total required hours for the major.

<sup>1</sup> The Service Learning Requirement for GLC Concentration meets the HIE requirement for LLC.

<sup>2</sup> Students may fulfill the remaining "Additional Courses" credits for the major from the courses listed below and/or 300-level and above courses in the languages of study. Must include at least one 300-level and above LLC course (3 credit hours). Program Director may approve other courses to meet this requirement.

## **Applied Languages: French K-12 Teaching Licensure Concentration Requirements**

- **Required:** 30 hours in the French concentration in addition to the Teacher Licensure Requirements.

Code	Title	Credit Hours
<b>Bridge Course</b>		<b>3</b>
FRE 301 or FRE 303	Bridges to French Literature and Culture Francophone Cultures: An Introduction	
<b>Writing</b>		<b>3</b>
FRE 315	Advanced Grammar and Composition: From Morphology to Meaning	
<b>Oral Communication Skills</b>		<b>3</b>
FRE 311 or FRE 312 or FRE 313	French Conversation and Phonetics * French Conversation and Culture Conversation in France	
<b>Culture and Civilization</b>		<b>3</b>
<i>Select one of the following courses:</i>		
FRE 331	Culture and Civilization in France	
FRE 332	Contemporary French Culture	
FRE 341	Business French	
FRE 433	French Francophn Civ / Culture	
FRE 496	Directed Study in French and Francophone Civilization and Culture	
<b>Literature and Film Courses</b>		<b>9</b>
FRE 353	The French Imaginary: Fiction and Culture	
FRE 455	Topics in French and Francophone Literature and Film	
<i>Select one additional course from the following: **</i>		
FRE 407	Teachng French Thru French Lit	
FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Lit	
<b>Linguistics</b>		<b>3</b>
FRE 311	French Conversation and Phonetics *	
<b>Additional Requirements <sup>1</sup></b>		<b>6-9</b>
<i>Electives to be chosen from the following:</i>		
FRE 301	Bridges to French Literature and Culture	
FRE 303	Francophone Cultures: An Introduction	
FRE 312	French Conversation and Culture	
FRE 313	Conversation in France	
FRE 315	Advanced Grammar and Composition: From Morphology to Meaning	
FRE 332	Contemporary French Culture	
FRE 341	Business French	
FRE 407	Teachng French Thru French Lit	
FRE 433	French Francophn Civ / Culture	
FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Lit	
FRE 496	Directed Study in French and Francophone Civilization and Culture	

FRE 497	Directed Study in French Language
LLC 468	African History and Cultures through Film

- \* FRE 311 can also be used as a "Conversation" course. If FRE 311 is taken as a "Conversation" course, students will be required to take 9 hours in the "Additional Requirements" electives field to reach the 30 hours required for the major (not including Teacher Licensure Requirements).
- \*\* In-depth inquiry can be completed in any of the Topics courses
- 1 To complete 30 total hours in the French concentration in addition to the Teacher Licensure Requirements.

Code	Title	Credit Hours
<b>Teacher Licensure Requirements</b>		
ERM 405	Measurement and Assessment in Teaching	30
LLC 412	Teaching Second Languages in K-12 *	
LLC 419	Second Language Acquisition	
LLC 465	Student Teaching and Seminar in World Languages	
TED 444	Educational Psychology for the Secondary Grades **	
TED 445	Human Diversity, Teaching, and Learning ***	
TED 435	Literacy in the Content Area	

\* LLC 412 requires 50 hours of internship in the schools.

\*\* TED 444 and TED 445 require 25 hours of internship in the schools.

### Clinical Experience in Teaching and/or Capstone Experience

Students will register for the course listed below. This course, as well as requiring a full semester experience in the public-school setting, will include completion of two portfolios that together align with the North Carolina Standards for Second Language Teachers and the ISTE/NETS Standards.

- A portfolio documenting proof of completion of requirements for licensure (in TaskStream) and,
- A teaching portfolio (in Pearson's EdTPA)

Code	Title	Credit Hours
LLC 465	Student Teaching and Seminar in World Languages	

### Sequence of Professional Education Courses

Junior		Credit Hours
<b>Fall</b>		
ERM 405	Measurement and Assessment in Teaching	3
TED 445	Human Diversity, Teaching, and Learning	3
<b>Credit Hours</b>		
<b>Spring</b>		
TED 444	Educational Psychology for the Secondary Grades	3
LLC 419	Second Language Acquisition	3
<b>Credit Hours</b>		
<b>Senior</b>		
<b>Fall</b>		
LLC 412	Teaching Second Languages in K-12	3
TED 435	Literacy in the Content Area	3
<b>Credit Hours</b>		

Spring		
LLC 465	Student Teaching and Seminar in World Languages *	12
	<b>Credit Hours</b>	12
	<b>Total Credit Hours</b>	30

\* Course offered only in spring semester. No other courses may be taken during student teaching.

### Applied Languages: Spanish K-12 Teaching Licensure Concentration Requirements

- **Required:** 27 hours in the Spanish concentration in addition to the Teacher Licensure Requirements.

Code	Title	Credit Hours
<b>Bridge Course</b>		
SPA 301	Spanish Language and Cultures	3
or SPA 302	Spanish Language and Cultures for Heritage Speakers	
<b>Writing</b>		
SPA 315	Intermediate Spanish Composition	6
or SPA 318	Intermediate Spanish Composition for Heritage Speakers	
SPA 415	Advanced Spanish Composition	
<b>Oral Communication Skills</b>		
Choose one of the following courses:		
SPA 311	Views of the Hispanic World Through Intermediate Conversation	3
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
<b>Cultural Studies</b>		
Choose one of the following courses:		
SPA 317	Foundations in Hispanic Cultures, Literatures, and Films	3
SPA 332	Foundations in Spanish Cultures, Literatures and Films	
SPA 334	Foundations in Latin American Cultures, Literatures and Films	
SPA 417	Topics in Hispanic Cultures, Literatures and Films	
SPA 432	Seminar in Spanish Cultures, Literatures and Films	
SPA 435	Seminar in U.S. Latino/Latina Cultural Studies	
SPA 436	Seminar in Latin American Cultures, Literatures and Films	
<b>Literary Studies</b>		
SPA 351	Introduction to Literary Studies	3
<b>Linguistics</b>		
SPA 342	Introduction to Hispanic Linguistics *	
<b>Additional Requirements</b>		
Electives to be chosen from the following: **		
<b>Cultural Studies</b>		
SPA 310	Advanced Spanish Language and Cultures for Heritage Speakers	9
SPA 311	Views of the Hispanic World Through Intermediate Conversation	

SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad
SPA 317	Foundations in Hispanic Cultures, Literatures, and Films
SPA 332	Foundations in Spanish Cultures, Literatures and Films
SPA 334	Foundations in Latin American Cultures, Literatures and Films
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation
SPA 417	Topics in Hispanic Cultures, Literatures and Films
SPA 432	Seminar in Spanish Cultures, Literatures and Films
SPA 435	Seminar in U.S. Latino/Latina Cultural Studies
SPA 436	Seminar in Latin American Cultures, Literatures and Films
SPA 462	Seminar in Film Genre
<b>Hispanic Linguistics</b>	
SPA 442	Topics in Hispanic Linguistics
SPA 443	Spanish in the U.S.
SPA 445	Spanish Phonetics
SPA 446	Seminar in Hispanic Linguistics
<b>Literary Studies</b>	
SPA 406	Topics in Latin American Literature
SPA 407	Topics in Spanish Literature
SPA 409	Topics in Literature from the Spanish Speaking World
SPA 452	Seminar in Spanish Literature
SPA 454	Seminar in Latin American Literature
SPA 459	Seminar in Literatures from the Spanish Speaking World
<b>Additional Courses</b>	
SPA 321	Spanish in a Public School Setting
SPA 497	Directed Study in Spanish Language
SPA 498	Directed Study in Hispanic Cultures and/or Literatures

\* Students will be completing their in-depth project in SPA 342

\*\* Must include:

- At least one 400-level seminar
- One additional 400-level course

Code	Title	Credit Hours
<b>Teacher Licensure Requirements</b>		
ERM 405	Measurement and Assessment in Teaching	30
LLC 412	Teaching Second Languages in K-12 *	
LLC 419	Second Language Acquisition	
LLC 465	Student Teaching and Seminar in World Languages	
TED 444	Educational Psychology for the Secondary Grades **	
TED 445	Human Diversity, Teaching, and Learning **	
TED 435	Literacy in the Content Area	

\* LLC 412 requires 50 hours of internship in the schools.

\*\* TED 444 and TED 445 require 25 hours of internship in the schools.

### Clinical Experience in Teaching and/or Capstone Experience

Students will register for the course listed below. This course, as well as requiring a full semester experience in the public-school setting, will include completion of two portfolios that together align with the North Carolina Standards for Second Language Teachers and the ISTE/NETS Standards.

- A portfolio documenting proof of completion of requirements for licensure and,
- A teaching portfolio (in Pearson's EdTPA)

Code	Title	Credit Hours
LLC 465	Student Teaching and Seminar in World Languages	

### Sequence of Professional Education Courses

Junior	Credit Hours
Fall	
ERM 405	Measurement and Assessment in Teaching
TED 445	Human Diversity, Teaching, and Learning
	Credit Hours
	6
Spring	
TED 444	Educational Psychology for the Secondary Grades
LLC 419	Second Language Acquisition
	Credit Hours
	3
	3
Senior	
Fall	
LLC 412	Teaching Second Languages in K-12
TED 435	Literacy in the Content Area
	Credit Hours
	3
	3
Spring	
LLC 465	Student Teaching and Seminar in World Languages *
	Credit Hours
	12
	Total Credit Hours
	30

\* Course offered only in spring semester. No other courses may be taken during student teaching.

### Disciplinary Honors in French

#### Requirements

- A minimum of 15 credit hours of Honors and advanced courses with grades of B or better.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 9 credits of the following:</b>		
Honors courses in the major		
Contract Honors courses in the major		
FRE 493	Honors Work	9

**Select 3 credits of the following:**

- Advanced 400-level courses
- Honors and contract courses in the major
- Any Honors courses, whether in the major or not

3

**Recognition**

Receive a Certificate of Disciplinary Honors in Spanish; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Recognition**

Receive a Certificate of Disciplinary Honors in French; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

See Laura Chesak at [laura\\_chesak@uncg.edu](mailto:laura_chesak@uncg.edu) for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

**Disciplinary Honors in German****Requirements**

- A minimum of 12 credit hours as detailed below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
GER 493	Honors Work *	6
HSS 490	Senior Honors Project	

**Select 3-6 credits of contract courses in German above the 300 level 3-6**

\* 3 credits of the course listed in preparation for Senior Honors Project.

**Recognition**

Receive a Certificate of Disciplinary Honors in German; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

See Laura Chesak at [laura\\_chesak@uncg.edu](mailto:laura_chesak@uncg.edu) for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

**Disciplinary Honors in Spanish****Requirements**

- A minimum of 15 credit hours of Honors and advanced courses with grades of B or better.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 12 credits in the major from the following:</b>		
400-level courses		12
Honors courses in the major		
Contract Honors courses in the major		
SPA 493	Honors Work	

**Recognition**

Receive a Certificate of Disciplinary Honors in Spanish; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

See Laura Chesak at [laura\\_chesak@uncg.edu](mailto:laura_chesak@uncg.edu) for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

**Spanish, B.A.**

The Spanish Major is designed to ensure a well-rounded preparation in language, literature, and culture. The program is balanced and comprehensive, yet allows students the latitude to explore subjects of special interest to them. Specific course and area requirements and electives in language, literature, and culture characterize the program. The major in Spanish begins at the 300 level.

**Admission Requirements**

Students may declare their major at the Intermediate level of the Spanish Basic Language Program (SPA 203 and/or SPA 204).

**Progression Requirements**

- Students starting at the SPA 203 level:
  - must complete 33 credits in Spanish or Spanish-related course work (Including SPA 203 and SPA 204).
- Students starting at the SPA 204 level:
  - must complete 30 credits in Spanish or Spanish-related course work (Including SPA 204).
- Students starting at the 300 level:
  - must complete 27 credits in Spanish or Spanish-related course work.

**Overall Requirements**

- 120 credits, to include at least 36 credits at or above the 300 course level.
- Minimum 27 credits at the 300 level or above in Spanish or Spanish-related course work, including the courses listed below
- No requirement for the major can be met by a grade lower than C-
- Students may only count two courses twice across the two LLC majors (Languages, Literatures, and Cultures, B.A. and Spanish, B.A.) including concentrations (i.e., Global Languages and Communities and Spanish, French and Francophone Studies and Global Languages and Communities).
  - Core course (LLC 120, LLC 130, LLC 222, and LLC 250)
  - 300-level and above courses in FRE, GER, and SPA
  - LLC 389, LLC 399, and LLC 499

**Degree Program Requirements**

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
<i>Bridge Course</i>		
SPA 301	Spanish Language and Cultures	
or SPA 302	Spanish Language and Cultures for Heritage Speakers	
<i>Linguistics</i>		
SPA 342	Introduction to Hispanic Linguistics	
<i>Literary Studies</i>		
SPA 351	Introduction to Literary Studies	
<i>Writing Courses</i>		
SPA 315	Intermediate Spanish Composition	
or SPA 318	Intermediate Spanish Composition for Heritage Speakers	
SPA 415	Advanced Spanish Composition	
<i>400-level Seminar</i>		
SPA 432	Seminar in Spanish Cultures, Literatures and Films	
or SPA 435	Seminar in U.S. Latino/Latina Cultural Studies	
or SPA 436	Seminar in Latin American Cultures, Literatures and Films	
or SPA 462	Seminar in Film Genre	
or SPA 446	Seminar in Hispanic Linguistics	
or SPA 452	Seminar in Spanish Literature	
or SPA 454	Seminar in Latin American Literature	
or SPA 459	Seminar in Literatures from the Spanish Speaking World	
<i>Hispanic Linguistics</i>		
SPA 442	Topics in Hispanic Linguistics	
SPA 443	Spanish in the U.S.	
SPA 445	Spanish Phonetics	
SPA 446	Seminar in Hispanic Linguistics	
<i>Literary Studies</i>		
SPA 406	Topics in Latin American Literature	
SPA 407	Topics in Spanish Literature	
SPA 409	Topics in Literature from the Spanish Speaking World	
SPA 452	Seminar in Spanish Literature	
SPA 454	Seminar in Latin American Literature	
SPA 459	Seminar in Literatures from the Spanish Speaking World	
<i>Service Learning/Internship</i>		
LLC 389	LLC Service Learning	
LLC 399	Cultural Immersion through Community-Based Service Learning	
SPA 499	Internship in Spanish	
LLC 499	Community-Based Service Learning	
<i>Additional Courses</i>		
SPA 321	Spanish in a Public School Setting	
SPA 493	Honors Work	
SPA 497	Directed Study in Spanish Language	
SPA 498	Directed Study in Hispanic Cultures and/or Literatures	
LLC 419	Second Language Acquisition	

## Additional Requirements

Students must complete **at least 9 additional credits** in Spanish at the 300 level and 400 level, including one (1) additional 400-level course and two (2) more upper-level courses at the 300- or 400-level. LLC courses may apply when they involve the Spanish language and/or Spanish/Hispanic/Latinx literature or culture in a substantial way (such as LLC 389, LLC 399, LLC 419 and LLC 499).

### The plan of study must include:

- One High Impact Intercultural Experience (HIIIE). One of the following must be met:
  - Study abroad in a Spanish-speaking country
  - An LLC service-learning course (such as SPA 302, SPA 310, SPA 321, SPA 499, LLC 389, LLC 399 or LLC 499)
  - Residence in the Global Village
  - Certificate of completion of the Global Leadership Program
  - Disciplinary Honors
  - Or approval by the Director of Undergraduate Studies.

## Electives

To be chosen from the list below:

Code	Title	Credit Hours
<i>Cultural Studies</i>		
SPA 310	Advanced Spanish Language and Cultures for Heritage Speakers	

SPA 311 Views of the Hispanic World Through Intermediate Conversation

SPA 313 Views of the Hispanic World Through Intermediate Conversation Abroad

SPA 317 Foundations in Hispanic Cultures, Literatures, and Films

SPA 332 Foundations in Spanish Cultures, Literatures and Films

SPA 334 Foundations in Latin American Cultures, Literatures and Films

SPA 411 Cultural Expressions in the Hispanic World Through Advanced Conversation

SPA 417 Topics in Hispanic Cultures, Literatures and Films

SPA 432 Seminar in Spanish Cultures, Literatures and Films

SPA 435 Seminar in U.S. Latino/Latina Cultural Studies

SPA 436 Seminar in Latin American Cultures, Literatures and Films

SPA 462 Seminar in Film Genre

*Hispanic Linguistics*

SPA 442 Topics in Hispanic Linguistics

SPA 443 Spanish in the U.S.

SPA 445 Spanish Phonetics

SPA 446 Seminar in Hispanic Linguistics

*Literary Studies*

SPA 406 Topics in Latin American Literature

SPA 407 Topics in Spanish Literature

SPA 409 Topics in Literature from the Spanish Speaking World

SPA 452 Seminar in Spanish Literature

SPA 454 Seminar in Latin American Literature

SPA 459 Seminar in Literatures from the Spanish Speaking World

*Service Learning/Internship*

LLC 389 LLC Service Learning

LLC 399 Cultural Immersion through Community-Based Service Learning

SPA 499 Internship in Spanish

LLC 499 Community-Based Service Learning

*Additional Courses*

SPA 321 Spanish in a Public School Setting

SPA 493 Honors Work

SPA 497 Directed Study in Spanish Language

SPA 498 Directed Study in Hispanic Cultures and/or Literatures

LLC 419 Second Language Acquisition

## Related Courses, Second Majors

Suggested: Second foreign language and literature; English or American Literature; Classical Studies; Spanish or Spanish American History; International and Global Studies; European Studies, Latin American Studies; Music; Art; Social Science; Anthropology; International Business Studies; Religious Studies.

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Disciplinary Honors in Spanish

#### Requirements

- A minimum of 15 credit hours of Honors and advanced courses with grades of B or better.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 12 credits in the major from the following:</b>		12
400-level courses		
Honors courses in the major		
Contract Honors courses in the major		
SPA 493	Honors Work	

#### Recognition

Receive a Certificate of Disciplinary Honors in Spanish; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

#### Honors Advisor

See Laura Chesak at [laura\\_chesak@uncg.edu](mailto:laura_chesak@uncg.edu) for further information and guidance about Disciplinary Honors. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## American Sign Language Undergraduate Minor

American Sign Language minors are to enroll in non-major American Sign Language (ASL) classes only. Note that advanced ASL courses may not be offered during Summer Session.

Course offerings and spaces in courses are limited. Students must achieve a grade of C or higher in all ASL courses for progression to the minor.

## Overall Requirements

- American Sign Language minors should enroll in American Sign Language (ASL) classes only. Students from the Department of Specialized Education Services (SES) program who seek to complete the ASL minor and who have successfully completed (with a grade of C- or better) one or more courses in the SES 101-204 sequence may apply such courses to the corresponding course number in the ASL 101-204 sequence. Note that 200-level ASL courses may not be offered during Summer Session.

## Program Requirements

- Minimum of 15 credit hours
- Students must achieve a grade of C- or higher in all courses for progression in the minor.

Code	Title	Credit Hours
<b>Required</b>		
ASL 101 or SES 101	Elementary American Sign Language I American Sign Language I	15
ASL 102 or SES 102	Elementary American Sign Language II American Sign Language II	
ASL 203 or SES 203	Intermediate American Sign Language I American Sign Language III	
ASL 204 or SES 204	Intermediate American Sign Language II American Sign Language IV	
ASL 245	Introduction to the Deaf Community	

## Chinese Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

Students pursuing a major in the International and Global Studies Program with a concentration in Asian Studies must complete 6 credits of the language or approved equivalents.

Code	Title	Credit Hours
<b>Required</b>		
CHI 203	Intermediate Chinese I	15
CHI 204	Intermediate Chinese II	
<i>Select 9 credits from the following:</i> *		
CHI 210	Masterworks of Chinese Literature in Translation	
CHI 220	Modern Chinese Literature and Culture	
CHI 301 or CHI 302	Third-Year Chinese Language Third-Year Chinese Conversation and Composition	
CHI 305	Topics in Chinese Culture	
CHI 313	Major Figures in Chinese Literature	

\* At least 6 credit hours must be at the 300 level or higher.

## French and Francophone Studies Undergraduate Minor

#### Admission Requirements

Students may declare their minor at the Intermediate level of the French Basic Language Program (FRE 203 and/or FRE 204 or FRE 241).

#### Progression Requirements

- Students starting at the FRE 203 level:
  - must complete 18 credits in French/Francophone or related course work (including FRE 203).
- Students starting at the FRE 204 level or FRE 241:
  - must complete 15 credits in French/Francophone or related course work (including FRE 204 or FRE 241).
- Students starting at the 300 level:
  - must complete 15 credits in French/Francophone or related course work.

## Program Requirements

- Minimum 15 credits in the minor.
- Minimum 12 credits at the 300 level or above in French/Francophone or related FRE course work.
- No requirement for the minor can be met by a grade lower than C-.

Code	Title	Credit Hours
Select a minimum of 15 credits of courses in French at or above the 204 level, excluding courses in English translation.		15

\* Only one of FRE 204 or FRE 241 may apply toward the minor.

## German Undergraduate Minor

The German program provides a variety of online courses for students interested in German language, literature, culture, history, philosophy, music, and art. For those who wish to study abroad, the department cosponsors academic programs in Germany and Austria.

The German Undergraduate Minor is available in traditional as well as online formats.

## Program Requirements

- Minimum of 15 credit hours of courses in German, of which 6 credits must be at the 300 level or higher.
- Minimum C- grade required in courses for the minor

Code	Title	Credit Hours
Required		15
GER 203	Intermediate German	
GER 204	Intermediate German Topics	

Select 9 credits of courses in German above GER 102

## Qualified

The courses in German literature or culture in English translation listed below can only be used for minor credit if an appropriate amount of reading is done in German.

Code	Title	Credit Hours
GER 217	German Texts That Changed the World I - Read in English	
GER 218	German Texts That Changed the World II - Read in English	

## Russian Undergraduate Minor

## Program Requirements

- Minimum of 15 credit hours
- Minimum C- Grade required in all courses for the minor.

Code	Title	Credit Hours
Required		15
RUS 203	Intermediate Russian I *	
RUS 204	Intermediate Russian II *	

Select 9 credits in Russian above the 100 level

\* These two courses also count toward the Special Programs in Liberal Studies Major: Russian Studies Concentration.

## Spanish Undergraduate Minor

### Admission Requirements

Students may declare their minor at the Intermediate level of the Spanish Basic Language Program (SPA 203 and/or SPA 204).

### Progression Requirements

- Students starting at the SPA 203 level:
  - must complete 18 credits in SPA course work (Including SPA 203).
- Students starting at the SPA 204 level:
  - must complete 15 credits in SPA course work (Including SPA 204).
- Students starting at the 300 level:
  - must complete 15 credits in SPA course work.

## Program Requirements

- Minimum 15 credits in the minor.
- Minimum 12 credits at the 300 level or above in SPA course work.
- Minimum C- grade required in all courses for the minor.

Code	Title	Credit Hours
Select a minimum of 15 credits of SPA course work at or above the 204 level, excluding courses in English translation.		15

## Languages, Literatures, and Cultures Second Academic Concentration

### French Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

The Languages, Literatures, and Cultures department offers a 24 credit second academic concentration in French that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the undergraduate major advisor for Languages, Literatures, and Cultures.

### Requirements

- Minimum of 24 credit hours

All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours	Code	Title	Credit Hours
<b>Language</b>					
<i>Select 6 credits from the following:</i>					
FRE 301	Bridges to French Literature and Culture *		FRE 301	Bridges to French Literature and Culture *	
FRE 311	French Conversation and Phonetics **		FRE 311	French Conversation and Phonetics **	
FRE 312	French Conversation and Culture <sup>1</sup>		FRE 312	French Conversation and Culture <sup>1</sup>	
FRE 313	Conversation in France <sup>1</sup>		FRE 313	Conversation in France <sup>1</sup>	
FRE 315	Advanced Grammar and Composition: From Morphology to Meaning <sup>2</sup>		FRE 315	Advanced Grammar and Composition: From Morphology to Meaning <sup>2</sup>	
FRE 410	The Theory and Practice of French Translation		FRE 410	The Theory and Practice of French Translation	
FRE 497	Directed Study in French Language <sup>2</sup>		FRE 497	Directed Study in French Language <sup>2</sup>	
<b>Literature and/or Film</b>					
<i>Select 9 credits from the following:</i>					
FRE 353	The French Imaginary: Fiction and Culture <sup>3</sup>		FRE 353	The French Imaginary: Fiction and Culture <sup>3</sup>	
FRE 407	Teachng French Thru French Lit		FRE 407	Teachng French Thru French Lit	
FRE 450	Tpcs French Literary Movements		FRE 450	Tpcs French Literary Movements	
FRE 451	Topics in French Prose Fiction		FRE 451	Topics in French Prose Fiction	
FRE 456	Topics in French Theatre		FRE 456	Topics in French Theatre	
FRE 457	Advanced Topics in French Literature		FRE 457	Advanced Topics in French Literature	
FRE 458	Topics in Francophone Lit		FRE 458	Topics in Francophone Lit	
FRE 459	Topics in French Poetry		FRE 459	Topics in French Poetry	
FRE 463	Studies in Film Genre		FRE 463	Studies in Film Genre	
<b>Electives</b>					
<i>Select an additional 9 credits from courses with the FRE course prefix</i>					
<i>Qualified: <sup>4</sup></i>					
FRE 222	Explorations in French Literature: English Versions		FRE 222	Explorations in French Literature: English Versions	
FRE 232	Images of France and the Francophone World		FRE 232	Images of France and the Francophone World	
* <i>The course below is contingent. Qualifies only if taken before FRE 315 (or other courses above this course number).</i>			* <i>The course below is contingent. Qualifies only if taken before FRE 315 (or other courses above this course number).</i>		
** <i>The course listed satisfies both the Phonetics competency and the Conversation requirements for licensure.</i>			** <i>The course listed satisfies both the Phonetics competency and the Conversation requirements for licensure.</i>		
<sup>1</sup> <i>Any of the courses listed satisfy the Conversation requirement for licensure.</i>			<sup>1</sup> <i>Any of the courses listed satisfy the Conversation requirement for licensure.</i>		
<sup>2</sup> <i>Any of the courses listed satisfy the Conversation requirement for licensure.</i>			<sup>2</sup> <i>Any of the courses listed satisfy the Conversation requirement for licensure.</i>		
<sup>3</sup> <i>The course listed is a prerequisite to 400-level literature courses.</i>			<sup>3</sup> <i>The course listed is a prerequisite to 400-level literature courses.</i>		
<sup>4</sup> <i>The courses listed below are excluded for credit toward the second academic concentration.</i>			<sup>4</sup> <i>The courses listed below are excluded for credit toward the second academic concentration.</i>		

## French Second Academic Concentration for Middle Grades Education, B.S.

The department offers a 24 credit second academic concentration in French that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the undergraduate major advisor for Languages, Literatures, and Cultures.

### Requirements

- Minimum of 24 credit hours

All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

## German Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

### Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Core Courses</b>		
<i>Select 6 credits from the following:</i>		
GER 305	German Literature: Advanced Intermediate Topics	6
GER 405	Advanced Topics in German Literature	
GER 406	Advanced Topics in German Culture	

<b>Electives</b>	<b>12</b>
<i>Select an additional 12 credits in Language, Literature, or Culture courses above the following course number:</i>	
GER 204	Intermediate German Topics

## Spanish Second Academic Concentration for Elementary Education with K–6 Teacher Licensure, B.S.

The Languages, Literatures, and Cultures department offers a 24 credit second academic concentration in Spanish that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the Coordinator for Undergraduate Advising.

### Requirements

- Minimum of 24 credit hours
- All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours
<b>Bridge Language Course</b>		
SPA 301	Spanish Language and Cultures *	
or SPA 302	Spanish Language and Cultures for Heritage Speakers	
<b>Literature</b>		
SPA 351	Introduction to Literary Studies	
<i>Select one additional SPA course at the 400-level</i>		
<b>Composition</b>		
SPA 315	Intermediate Spanish Composition	
<b>Conversation</b>		
<i>Select one of the following:</i>		
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
<b>Civilization</b>		
<i>Select one of the following:</i>		
SPA 332	Foundations in Spanish Cultures, Literatures and Films	
SPA 334	Foundations in Latin American Cultures, Literatures and Films	
SPA 432	Seminar in Spanish Cultures, Literatures and Films	
SPA 435	Seminar in U.S. Latino/Latina Cultural Studies	
SPA 436	Seminar in Latin American Cultures, Literatures and Films	
<b>Phonetics</b>		
SPA 442	Topics in Hispanic Linguistics	
or SPA 445	Spanish Phonetics	
<b>Electives</b>		
<i>Select an additional 9 credits with the SPA course prefix</i>		

\* For Heritage Speakers only.

\*\* The following courses are excluded for credit toward the second academic concentration:

## Spanish Second Academic Concentration for Middle Grades Education, B.S.

The Languages, Literatures, and Cultures department offers a 24 credit second academic concentration in Spanish that meets requirements for Elementary and Middle Grades Education (School of Education) and certain other university programs in education. Consult with the Coordinator for Undergraduate Advising.

### Requirements

- Minimum of 24 credit hours
- All courses must be at the 300 level or above. No requirement may be met by a grade lower than C-.

Code	Title	Credit Hours
<b>Bridge Language Course</b>		
SPA 301	Spanish Language and Cultures *	
or SPA 302	Spanish Language and Cultures for Heritage Speakers	
<b>Literature</b>		
SPA 351	Introduction to Literary Studies	
<i>Select one additional SPA course at the 400-level</i>		
<b>Composition</b>		
SPA 315	Intermediate Spanish Composition	
<b>Conversation</b>		
<i>Select one of the following:</i>		
SPA 311	Views of the Hispanic World Through Intermediate Conversation	
SPA 313	Views of the Hispanic World Through Intermediate Conversation Abroad	
SPA 411	Cultural Expressions in the Hispanic World Through Advanced Conversation	
<b>Civilization</b>		
<i>Select one of the following:</i>		
SPA 332	Foundations in Spanish Cultures, Literatures and Films	
SPA 334	Foundations in Latin American Cultures, Literatures and Films	
SPA 432	Seminar in Spanish Cultures, Literatures and Films	
SPA 435	Seminar in U.S. Latino/Latina Cultural Studies	
SPA 436	Seminar in Latin American Cultures, Literatures and Films	
<b>Phonetics</b>		
SPA 442	Topics in Hispanic Linguistics	
or SPA 445	Spanish Phonetics	
<b>Electives</b>		
<i>Select an additional 9 credits with the SPA course prefix</i>		

\* For Heritage Speakers only.

# Languages, Literatures, and Cultures, M.A.

The M.A. in Languages, Literatures, and Cultures with a concentration in French and Francophone Studies or Spanish offers two options: a thesis option requiring 30 credit hours of graduate study (24 credits of course work and 6 credits of thesis) and a comprehensive examination (if the degree is in French and Francophone Studies) and a non-thesis option requiring 30 credit hours of course work and a comprehensive examination.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants to the M.A. in Languages, Literatures, and Cultures must provide the following to the Graduate Program Director:

- **Statement of Purpose:** 500-word statement of purpose in French or Spanish, highlighting prior experiences and explaining reasons for applying and expectations for the program.
- **Interview or Oral Sample:** The candidate must contact the Graduate Program Director to schedule a face to face or online interview. This meeting needs to be scheduled at least a week before the deadline (if applying in the Spring). Alternatively, the candidate can submit a 3 to 5 minute unscripted standard audio digital format demonstrating speaking ability either in Spanish or French. The sample should discuss a topic related to the program of study as well as experiences and motivation and should be uploaded with the online application.
- **Writing Sample:** An analytical paper in French, Spanish, or English written for a prior course in the humanities or a comparable writing sample (6 to 14 pages).
- **Test Scores:** Qualifying examination scores, GRE or MAT, are recommended but not required.

Admission to the M.A. in Languages, Literatures, and Cultures assumes completion of an undergraduate program with a minimum of 24 credit hours in French or Spanish, as appropriate, above the 204 level. Candidates lacking the prior academic language training may be admitted provisionally (contact the Graduate Program Director for details).

## Degree Program Requirements

**Required:** 30 credit hours

### French and Francophone Studies Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Course (3 credits)</b>		
LLC 601	Research Methods and Critical Analysis <sup>1</sup>	3
<b>Core Courses in French and Francophone Studies (18-30 credits)</b>		
Select 18-30 credits in one of the following options: <sup>2</sup>	18-30	
<i>Thesis Option</i>		
18-24 course credits		
6 thesis credits <sup>3</sup>		
<i>Non-Thesis Option</i>		
24-30 course credits		
<b>Electives Related Area (0-6 credits)</b>		

Select up to 6 credits in a related area<sup>4</sup>

**Total Credit Hours**

0-6

30

- <sup>1</sup> The student must complete LLC 601 with a grade of B (3.0) or better.
- <sup>2</sup> In consultation with the Graduate Advisor in French. The student must select courses at the 500-level or above with at least 50% at the 600-level or above.
- <sup>3</sup> In addition to the required credits in Core Courses in French and Francophone Studies, students selecting the Thesis Option must also complete 6 credits in FRE 699 Thesis.
- <sup>4</sup> With prior approval from the Graduate Advisor in French.

### Additional Language Requirement

The student will demonstrate a reading knowledge of a language other than French and English by one of the following methods:

- Passing a reading or translation examination
- Completing intermediate-low level (equivalent to UNC Greensboro's 204 level) or higher course work in the additional language with a grade of B (3.0) or better documented by an official transcript
- Obtaining a score of 400 or higher on the department's Computerized Adaptive Placement Exam

Contact the Graduate Advisor in French for details.

### Comprehensive Examination (Capstone Experience)

The student must pass a written comprehensive examination based on the reading list and course work taken. Please consult with your graduate advisor for more information on formats and test dates.

### Reading List

The student will read a prescribed list of major works of French literature.

### Thesis (Thesis Option only)

The student selecting this option must write a thesis under the guidance of a committee consisting of a chair and two other members of the graduate faculty. An oral examination on the thesis is required. Please consult with your graduate advisor for further information.

### Spanish Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
LLC 600	Methods of Teaching Modern Languages	3
LLC 601	Research Methods and Critical Analysis	3
<b>Core Courses in Spanish and Romance Languages (18 credits)</b>		
Select 18 credits in courses at the 500-level or above as indicated: <sup>1</sup>		18
6 credits in Latin American Literature/Culture		
6 credits in Spanish Peninsular Literature/Culture		
6 credits in Linguistics, the three major areas of the program		
<b>Capstone Experience (0 or 6 credits)</b>		
Select one of the following options:		0
		or
		6
<i>Non-Thesis Option (0 credits)</i>		
Complete a written comprehensive examination <sup>2</sup>		
<i>Thesis Option (6 credits)</i>		

SPA 699	Thesis <sup>3</sup>	
<b>Electives (0 or 6 credits)</b>		
Select one of the following options:	0	
or		
	6	
<i>Non-Thesis Option (6 credits)</i>		
Select 6 credits of elective courses		
<i>Thesis Option (0 credits)</i>		
No elective courses required <sup>4</sup>		
<b>Total Credit Hours</b>	<b>30</b>	

- <sup>1</sup> Courses must be selected in consultation with the Graduate Program Director in Spanish. At least 50% of the courses must be at the 600-level.
- <sup>2</sup> Non-Thesis Option students must pass a comprehensive examination based on the reading list. Examinations are scheduled once a semester in the Fall and Spring semesters; please consult with your graduate advisor for the examination dates.
- <sup>3</sup> Students selecting this option must complete 6 credits of SPA 699 and write a thesis under the guidance of a committee consisting of a chair and two other members of the graduate faculty. An oral examination on the thesis is required. Please consult with the graduate advisor for further information.
- <sup>4</sup> Thesis Option students do not have an elective course requirement.

### Core Courses in Spanish and Romance Languages

Thesis option: Students who opt to write a thesis must develop a proposal and have it approved by the thesis chair and graduate program director by the end of their first year in the program. Students selecting this option must write a thesis under the guidance of a committee consisting of a chair and two other members of the graduate faculty. An oral examination on the thesis is required. Please consult with your graduate advisor for further information. Students who opt to write a thesis are exempt from comprehensive exams.

Non-Thesis option: Students in the non-thesis option must pass a written comprehensive examination based on the reading list.

### Reading List

Students will read a prescribed list that includes major works on Spanish and Spanish American literature as well as works on Spanish and Spanish-American culture and civilization, and Hispanic linguistics. Students should consult regularly with their graduate advisor and with faculty specializing in the various areas, while working to complete preparation of the reading list.

### Additional Language Requirement

The student will demonstrate a reading knowledge of a language other than Spanish and English by one of the following methods:

- Passing a reading or translation examination
- Completing intermediate-low level (equivalent to UNC Greensboro's 204 level) or higher course work in the additional language with a grade of B (3.0) or better documented by an official transcript
- Obtaining a score of 400 or higher on the department's Computerized Adaptive Placement Exam

Contact the Graduate Program Director in Spanish for details.

## Accelerated B.A. to M.A. in Languages, Literatures, and Cultures

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing a degree on one of the following may apply for admission to the Accelerated Master's Program (AMP):

- B.A in Spanish
- B.A in Languages, Literatures, and Cultures with a concentration in French and Francophone Studies
- B.A in Languages, Literatures, and Cultures with a concentration in Applied Languages, K-12 Teaching Licensure
- B.A in Languages, Literatures, and Cultures with a concentration in Global Languages and Communities, with Spanish or French as their primary language

A cumulative undergraduate GPA of 3.5, or at least 3.5 in a related major, based on a minimum of 30 credits earned at UNC Greensboro, is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of their junior year.

All applicants must begin by meeting with the Graduate Program Director to review eligibility and must complete the Accelerated Master's Program information when applying for admission to the graduate degree program. Standard application requirements for the M.A. in Languages, Literatures, and Cultures program apply to the AMP.

Standardized entrance exams (GRE/ MAT) are not required for AMP students.

### Courses

Admitted students may apply a maximum of 9 credits total from approved graduate-level courses (6 credits from 500-level courses and 3 credits from 600-level courses for the M.A. with a Spanish Concentration and 9 credits total from 500-level and/or 600-level courses for the M.A. with a concentration in French and Francophone Studies) toward completion of the undergraduate and graduate degree provided that: the courses are appropriate to attain the necessary competencies for the graduate degree; the student earns a grade of B (3.0) or better in each course; and the courses are at the 500-level or above and the student fulfills the graduate-level requirements of the courses.

The following courses may be counted towards both the B.A. and M.A. degrees:

Code	Title	Credit Hours
<b>Students admitted to the AMP for the M.A. with a Spanish Concentration may select from:</b>		
500-level courses *		
SPA 502	Selected Topics in Spanish Literature	3
SPA 504	Selected Topics in Latin American Literature	3
SPA 509	Selected Topics in Literatures from the Spanish-Speaking World	3
SPA 532	Selected Topics in Spanish Cultures, Literatures, and Films	3
SPA 534	Selected Topics in Latin American Cultures, Literatures, and Films	3

SPA 535	Selected Topics in U.S. Latino/Latina Cultural Studies	3	undergraduates. It requires 39 credit hours with 18 credits in the content area. All students are required to demonstrate proficiency in phonetics.
SPA 546	Selected Topics in Hispanic Linguistics	3	For information regarding deadlines and requirements for admission, please see <a href="https://grs.uncg.edu/programs/">https://grs.uncg.edu/programs/</a> .
SPA 562	Studies in Film Genre	3	In addition to the application materials required by the Graduate School, applicants to the Master of Arts in Teaching with a concentration in French Education or Spanish Education must provide the following:
LLC 519	Second Language Acquisition	3	<ul style="list-style-type: none"> <li>• 500-word Statement of Purpose in French or Spanish, highlighting prior experiences and explaining reasons for applying and expectations for the program.</li> <li>• 3-to 5-minute unscripted digital recording demonstrating speaking ability in French or Spanish. The sample should discuss a topic related to the program of study as well as experiences and motivation.</li> <li>• An analytical paper in French, Spanish, or English written for a prior course in the humanities or a comparable writing sample.</li> </ul>
600-level courses **			
SPA 603	Seminar in Spanish Literature	3	A minimum of 24 credit hours in French/Spanish above the 204 level in the undergraduate program.
SPA 604	Seminar in Spanish American Literature	3	A minimum of Advanced Low Proficiency (according to ACTFL guidelines). The department may request an Oral Proficiency Interview. An interview with the Graduate Program Director may be required.
SPA 605	Seminar in Hispanic Linguistics	3	Applicants who have not taken Phonetics will be required to take a remedial prerequisite or co-requisite course (not included in hours required for the degree).
SPA 693	Special Topics in Spanish Language and/or Literature	3	
LLC 600	Methods of Teaching Modern Languages	3	
LLC 601	Research Methods and Critical Analysis	3	
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>	
<b>Students admitted to the AMP for the M.A. with a French and Francophone Studies Concentration may select from:</b>			
500-level courses *			
FRE 507	Teaching French through French Literature	3	
FRE 511	The Theory and Practice of French Translation	3	
FRE 556	Topics in French Theatre	3	
FRE 557	Advanced Topics in French Literature	3	
FRE 558	Topics in Francophone Literature	3	
FRE 562	Studies in Film Genre	3	
LLC 568	African History and Cultures through Film	3	
LLC 599	Community-Based Service Learning	3	
600-level courses **			
FRE 653	Seminar in French Literature	3	
FRE 693	Special Problems in French Language and Literature	3	
LLC 600	Methods of Teaching Modern Languages	3	
LLC 601	Research Methods and Critical Analysis	3	
<p>* A maximum of 6 credits from courses at the 500 level may be used for the M.A. with a Spanish Concentration. A maximum of 9 credits at the 500 level may be used for the M.A. with a French and Francophone Studies Concentration.</p> <p>** A maximum of 3 credits from courses at the 600 level may be used. A maximum of 9 credits at the 600 level may be used for the M.A. with a French and Francophone Studies Concentration.</p>			
Students must have completed the appropriate prerequisites required for listed courses or permission of the department. All courses that lead to the completion of the M.A. degree must be approved by the Graduate Program Director.			
<b>Master of Arts in Teaching, M.A.T.</b>			
<p>The Master of Arts in Teaching (M.A.T.) with a concentration in French Education or a concentration in Spanish Education culminates with the development of an Initial Competencies Portfolio, providing eligibility for candidates to apply for "A" licensure from the North Carolina Department of Public Instruction. The M.A.T. is designed for candidates who have a bachelor's degree but did not pursue teacher education or licensure as</p>			
<b>Total Credit Hours</b>			<b>39</b>
<p>* And demonstrate appropriate oral and written communication skills. Courses are selected in consultation with the Graduate Program Director in French or Spanish.</p> <p>** May be based on an on-going teaching experience, a teaching assistantship in the Department of Languages, Literatures, and Cultures,</p>			

*or a student-teaching experience in a public school. Includes completion of the Teaching/Technology Portfolio.*

### **Capstone Experience: Teaching/Technology Portfolio (TaskStream)**

The portfolio will be aligned with the North Carolina Standards for Second Language Learners and the ISTE/National Educational Technology Standards for Teachers (NETS-T).

## **Accelerated B.A. to M.A.T. in Master of Arts in Teaching**

### **Application and Admission**

Qualified UNC Greensboro undergraduate students who are pursuing a B.A in Spanish or a B.A in Languages, Literatures, and Cultures with a concentration in French and Francophone Studies or a B.A in Languages, Literatures, and Cultures with a concentration in Global Languages and Communities, with Spanish or French as primary language, may apply for admission to the Accelerated Master's Program (AMP).

Students pursuing a B.A in Languages, Literatures, and Cultures with a concentration in K-12 Teaching Licensure can not apply to the M.A.T program but can apply to the M.A.

A cumulative undergraduate GPA of 3.5, or at least 3.5 in a related major, based on a minimum of 30 credits earned at UNC Greensboro, is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of their junior year.

All applicants must begin by meeting with the Graduate Program Director to review eligibility and must complete the Accelerated Master's Program information when applying for admission to the graduate degree program. Standard application requirements for the M.A.T. in Languages, Literatures, and Cultures program apply to the AMP.

Standardized entrance exams (GRE/ MAT) are not required for AMP students.

### **Courses**

Admitted students may apply a maximum of 9 credits total from approved graduate-level courses (6 credits from 500-level courses and 3 credits from 600-level courses) toward completion of the undergraduate and graduate degree provided that: the courses are appropriate to attain the necessary competencies for the graduate degree; the student earns a grade of B (3.0) or better in each course; and the courses are at the 500-level or above and the student fulfills the graduate-level requirements of the courses.

The following courses may be counted towards both the B.A. and M.A.T. degrees:

Code	Title	Credit Hours
<b>Students admitted to the AMP for the M.A.T with a Spanish Concentration may select from:</b>		
500-level courses *		
SPA 502	Selected Topics in Spanish Literature	3
SPA 504	Selected Topics in Latin American Literature	3
SPA 509	Selected Topics in Literatures from the Spanish-Speaking World	3

Code	Title	Credit Hours
<b>Students admitted to the AMP for the M.A.T with a French and Francophone Studies Concentration may select from:</b>		
500-level courses *		
FRE 507	Teaching French through French Literature	3
FRE 511	The Theory and Practice of French Translation	3
FRE 556	Topics in French Theatre	3
FRE 557	Advanced Topics in French Literature	3
FRE 558	Topics in Francophone Literature	3
FRE 562	Studies in Film Genre	3
LLC 568	African History and Cultures through Film	3
LLC 599	Community-Based Service Learning	3
600-level courses **		
FRE 653	Seminar in French Literature	3
FRE 693	Special Problems in French Language and Literature	3
LLC 600	Methods of Teaching Modern Languages	3

\* A maximum of 6 credits from courses at the 500 level may be used.

\*\* A maximum of 3 credits from courses at the 600 level may be used.

Students must have completed the appropriate prerequisites required for listed courses or permission of the department. All courses that lead to the completion of the M.A.T. degree must be approved by the Graduate Program Director.

## **Teacher Education, M.Ed.**

The M.Ed. in Teacher Education with a concentration in French Education or a concentration in Spanish Education is offered through the Department of Languages, Literatures and Cultures and culminates with the development of an Advanced Competencies Portfolio, providing eligibility for candidates to apply for "M" licensure from the North Carolina Department of Public Instruction. Field experiences (school-based activities) are required. The M.Ed. is designed for applicants who already hold "A" licensure and requires 36 credit hours with 18 credits in the content area. All students are required to demonstrate proficiency in phonetics.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants to the M.Ed. in Teacher Education with a concentration in French Education or Spanish Education must provide the following:

- 500-word Statement of Purpose in French or Spanish, highlighting prior experiences and explaining reasons for applying and expectations for the program.
- 3-5 minute unscripted digital recording demonstrating speaking ability in French or Spanish. The sample should discuss a topic related to the program of study as well as experiences and motivation.
- An analytical paper in French, Spanish, or English written for a prior course in the humanities or a comparable writing sample.

A minimum of 24 credit hours in French/Spanish above the 204 level in the undergraduate program.

A minimum of Advanced Low Proficiency (according to ACTFL guidelines). The department may request an Oral Proficiency Interview. An interview with the Graduate Program Director may be required.

Applicants who have not taken Phonetics will be required to take a remedial prerequisite or co-requisite course (not included in the credits required for the degree).

## Degree Program Requirements

**Required:** 33 credit hours

In consultation with the appropriate Graduate Program Director, the student must select courses with at least 50% at the 600 level or above.

Code	Title	Credit Hours
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### Required Courses in Pedagogy (15 credits)

LLC 519	Second Language Acquisition	3
LLC 600	Methods of Teaching Modern Languages	3
TED 669	Educational Implications of Learning and Developmental Theory	3
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3

### Courses in the Content Area (18 credits)

Select courses (18 credits) in French/Francophone or Hispanic linguistics, literature, and culture *	18
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### Clinical Experience in Teaching

All students are required to complete a clinical experience in teaching

Total Credit Hours	33
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\* And demonstrate appropriate oral and written communication skills.

Courses are selected in consultation with the Graduate Advisor in French or Spanish.

## Clinical Experience in Teaching

May be based on an on-going teaching experience, a teaching assistantship in the Department of Languages, Literatures, and Cultures or in a community college, or a student-teaching experience in a public school. Includes completion of the Teaching/Technology Portfolio.

All students will be required to complete a clinical experience, such as:

- On-going teaching experience
- Teaching assistantship in the department
- Teaching assistantship in a community college
- Student teaching in public schools

## Capstone Experience: Teaching/Technology Portfolio (TaskStream)

The clinical experience will include completion of their Capstone Experience: the Teaching/Technology Portfolio - TaskStream. The portfolio will be aligned with the North Carolina Standards for Second Language Teachers and the ISTE/National Educational Technology Standards for Teachers (NETS-T) Standards.

## Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Advanced Spanish Language and Hispanic Cultural Studies requires 15 credit hours and is designed for professionals who may have a bachelor's degree in a field other than Spanish but who are able to demonstrate linguistic and analytical skills in Spanish equivalent to having completed a minimum of 21 undergraduate credits above the 204 level.

The program's goals are to:

- Increase student's language skills in Spanish to a high level;
- Prepare qualified candidates for cross-cultural professions; and
- Help prepare instructors who must have at least 18 credits of graduate credit in order to teach Spanish at an accredited community college, four-year college or university.

Students may choose to continue with an additional 3-credit course or apply for admission as M.A. candidates.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants to the Post-Baccalaureate Certificate in Advanced Spanish Language and Hispanic Cultural Studies must provide the following:

- 500-word essay in Spanish describing their professional goals and motivation for pursuing graduate work in the certificate.
- 3-to 5-minute unscripted digital audio file (.wav or .mp3 format) in Spanish to introduce themselves and describe their academic or equivalent preparation to pursue advanced proficiency in Spanish.
- 5-to 10-page sample of professional or academic analytical writing in English or Spanish.

Applicants to the certificate program are expected to demonstrate at a minimum an "intermediate high" proficiency in Spanish by appropriate course work, by a personal interview with the faculty, or by an officially recognized testing procedure such as that of the American Council on the Teaching of Foreign Languages.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Select 15 credits from the following:</b>		<b>15</b>
SPA 532	Selected Topics in Spanish Cultures, Literatures, and Films	
SPA 534	Selected Topics in Latin American Cultures, Literatures, and Films	
SPA 535	Selected Topics in U.S. Latino/Latina Cultural Studies	
SPA 546	Selected Topics in Hispanic Linguistics	
SPA 562	Studies in Film Genre	
SPA 605	Seminar in Hispanic Linguistics <sup>1</sup>	
SPA 693	Special Topics in Spanish Language and/or Literature <sup>2</sup>	
SPA 695	Directed Study	
LLC 519	Second Language Acquisition	
LLC 599	Community-Based Service Learning	
LLC 600	Methods of Teaching Modern Languages <sup>3</sup>	

**Total Credit Hours** **15**

<sup>1</sup> May be repeated for credit when topic varies.

<sup>2</sup> May be selected twice, once when the topic is Advanced Grammar Review and again when the topic is Advanced Phonetics. Not accepted for transfer to the M.A. in Languages, Literatures, and Cultures with a concentration in Spanish or the M.Ed. in Teacher Education with a concentration in Spanish.

<sup>3</sup> Required for students with a master's degree in another field who enroll in the certificate as a credential for college-level teaching.

## Additional Information

Upon completion of the certificate, the graduate faculty will conduct an interview in Spanish with the student.

# Liberal and Professional Studies

*College of Arts and Sciences*

1100 West Market St., Rm. 309  
336-315-7772

**Muktha Jost**, Executive Director, Liberal and Professional Studies

## Applied Arts and Sciences

*College of Arts and Sciences*

1100 West Market St., Rm. 309  
336-315-7772

**Paige Turner**, Student and Program Liaison  
**Muktha Jost**, Graduate Program Director

### Instructors

*George Benscoter*

*Susie Boles*

*Wiley Brown*

*Laura Field*

*Robbie Furter*

*Rhonda Jones*

*Carrie Levesque*

*Joseph Ross*

*Megan Rudock*

*Charlotte Russell-Cox*

*Jeffrey Sarbaum*

*Jenni Simon*

*John Stinnett*

*Frannie Varker*

*Mike Watson*

### About

Applied Arts and Sciences encourages innovative graduate studies across traditional disciplinary boundaries. Its applied integrative approach fuses the study of the arts and sciences with methodologies encouraging social innovation and collaborative creativity.

### Graduate Programs

- Master of Arts (M.A.) in Liberal and Interdisciplinary Studies
- Post-Baccalaureate Certificate in Global Studies
- Post-Baccalaureate Certificate in eLearning

## Archaeology

*College of Arts and Sciences*

436 Graham Building  
336-334-5132  
[www.uncg.edu/arc/](http://www.uncg.edu/arc/) (<http://www.uncg.edu/arc/>)

**Linda Stine**, Department Head and Director of Undergraduate Studies

### Committee Members

*Charles Egeland*, Department of Anthropology

*A. Asa Eger*, Department of History

*Maura K. Heyn*, Department of Classical Studies

*Geoffrey Hughes*, Department of Anthropology

*Robyn Leblanc*, Department of Classical Studies

*Joseph B. Mountjoy*, Department of Anthropology, Emeritus

*Joanne M. Murphy*, Department of Classical Studies

*Donna Nash*, Department of Anthropology

*Jeffrey C. Patton*, Department of Geography

*P. Daniel Royall*, Department of Geography

*Jeffrey S. Soles*, Department of Classical Studies, Emeritus

*Roy Stine*, Department of Geography

*Linda Stine*, Department of Anthropology

The Archaeology Program at UNC Greensboro introduces students to past civilizations and cultures around the globe and to the analytical methods, techniques, and theories that archaeologists use to facilitate their study. The major is designed to develop anthropological, historical, and geographical perspectives in archaeological research, encompassing prehistoric and early historic cultures. The Program's faculty is actively involved in research and/or fieldwork in Africa, the Mediterranean region, the Middle East, North America and South America, and students participate in these or other field work projects in addition to meeting classroom requirements. Graduates of the Program are prepared for advanced training in archaeology and museum studies; cultural resource management; team leading in a variety of settings; and other professions for which critical thinking and good communication skills are necessary.

## Bachelor of Arts in Liberal Studies

*College of Arts and Sciences*

1100 West Market St, Rm 307

336-334-4977

<http://bls.uncg.edu>

**Wade Maki**, Department Head and Director, Bachelor of Arts in Liberal Studies Program

**Katie Mkheidze**, Academic Advisor, Bachelor of Arts in Liberal Studies Program

### Humanities Committee Members

*Wade Maki*, Department Head and Director, Bachelor of Arts in Liberal Studies Program

*Sarah Krive*, Bachelor of Arts in Liberal Studies Program

*Carrie Levesque*, Bachelor of Arts in Liberal Studies Program

*Matthew McKinnon*, Bachelor of Arts in Liberal Studies Program

*Katie Mkheidze*, Academic Advisor

*Ann Millett*, Bachelor of Arts in Liberal Studies Program

*Jay Parr*, Bachelor of Arts in Liberal Studies Program

*Anita Warfford*, College of Arts and Sciences

### Social Sciences Committee Members

*Wade Maki*, Department Head and Director, Bachelor of Arts in Liberal Studies Program

*Donna Nash*, Department of Anthropology

*Shelly Brown-Jeffy*, Department of Sociology

*William Crowther*, Department of Political Science

*Suzanne Vrshek-Schallhorn*, Department of Psychology

*Martijn Van Hasselt*, Department of Economics

*Corey Johnson*, Department of Geography

*Sarah Krive*, Bachelor of Arts in Liberal Studies Program

*Katie Mkheidze*, Academic Advisor, Bachelor of Arts in Liberal Studies Program

*Roy Schwartzman*, Department of Communication Studies

*Joyce Clapp*, Bachelor of Arts in Liberal Studies Program

*Anita Warfford*, College of Arts and Sciences

## General Psychology Committee Members

*Wade Maki, Department Head and Director, Bachelor of Arts in Liberal Studies Program  
 Joyce Clapp, Bachelor of Arts in Liberal Studies Program  
 Paul Silvia, Department of Psychology  
 Suzanne Vrshek-Schallhorn, Department of Psychology  
 Christopher Wahlheim, Department of Psychology*

## Programs of Study

### Humanities

The Liberal and Interdisciplinary Studies, Humanities Concentration, is an interdisciplinary and multidisciplinary online degree program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by gaining a thorough understanding of the humanities, the interconnections among them, and their relevance to individuals and to modern society. The humanities are broadly defined to include those disciplines that study people—their ideas, their history, their literature, their artifacts, and their values. The program will investigate individual people in their solitude, life together in societies, and models of and for reality that constitute cultures. Individual courses will tackle the Big Questions that have been the traditional province of the humanities such as “What makes a life worth living?” Upon completion of the Liberal and Interdisciplinary Studies Humanities Concentration students will be able to:

- Think critically and analytically.
- Communicate clearly and effectively.
- Understand and explain interconnections among the Humanities disciplines.
- Appreciate the wide range of human experience.
- Achieve increased depth of knowledge in one of the four categories of the Humanities: Literature, Fine Arts, Philosophy/Religion/Ethics, Historical Perspectives.

### Professional Studies

The Liberal and Interdisciplinary Studies, Professional Studies concentration, is an interdisciplinary and multidisciplinary online program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by combining course work from the humanities, social sciences, and other fields in a curriculum that emphasizes the skills and knowledge that will be helpful in the workplace. Upon completing the Liberal and Interdisciplinary Studies Professional Studies Concentration students will be able to:

- Communicate clearly and effectively in an appropriate professional style.
- Read texts with careful attention.
- Think critically and analytically.
- Connect learning in the humanities, social sciences, and other fields to their professional lives.

### Social Sciences

The Liberal and Interdisciplinary Studies, Social Sciences Concentration, is an interdisciplinary and multidisciplinary online program. The program is designed to provide students with an opportunity to earn their baccalaureate degree online by gaining a broad-based understanding of the social sciences. The social sciences are the fields of academic scholarship that explore aspects of human behavior and societies. Upon completing the Liberal and Interdisciplinary Studies Social Sciences concentration students will be able to:

- Engage theory and practice in the social sciences to better understand human behavior, activities, organizations, and cultures.
- Critically analyze social science related information in the popular media.
- Explain the interconnections, differences, and interdependence among the social sciences.
- Read, evaluate, and interpret research in the social sciences.
- Communicate clearly and effectively in an appropriate professional style.

### General Psychology

The Liberal and Interdisciplinary Studies, General Psychology concentration, creates an opportunity path for students interested in human services careers, which require psychological knowledge but not necessarily all the specific technical “know-how” of a Psychology BA or BS. UNCG has many students who graduate every year and work in the field broadly described as “human services” that include everything from activities coordinators at nursing homes to case managers in the juvenile justice system. These students are often interested in psychology and require knowledge about human behavior and cognition but will not be working in the therapeutic or research settings that a Psychology BA or BS prepares them for. The BLS General Psychology concentration allows these students to tailor psychology class selections to the settings they plan on working in, with a broader research methods class that provides preparation applicable in most workplaces (survey and observational research, rather than laboratory experiments). The BLS General Psychology concentration also requires a capstone experience designed to reinforce the knowledge students have gained from an interdisciplinary point of view, preparing them for their careers of interest. Upon completion of the Liberal and Interdisciplinary Studies General Psychology Concentration students will be able to:

- Communicate clearly and effectively in an appropriate professional style.
- Connect learning in the humanities, social sciences, and other fields to their professional lives, emphasizing current research in the field of psychology.
- Think critically and analytically about behavior and mental processes.
- Understand and explain interconnections between psychology and other fields.

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The Bachelor of Arts in Liberal Studies Program offers the following concentrations in the Liberal and Interdisciplinary Studies Major:

- Humanities
- Professional Studies
- Social Sciences
- General Psychology

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### All four concentrations are offered in an online format.

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The following modification of the CIC requirements apply to students in the Bachelor of Arts in Liberal Studies program:

1. Students who transfer in 60+ credit hours and do not have 101 and 102 of an additional language can complete 6 credit hours (or 3 credit hours if they have 101 credit) of MAC Global Engagement and Intercultural Learning (C9) courses to satisfy the additional language requirement.

- The breadth of knowledge requirement and the additional language requirement are waived for reactivated students and students who change their major from outside of CAS with 90 or more credits.

Students in the BLS Program who have previously completed a foreign language through the 102 level, with a subsequent learning gap of five years or more, may apply to the program for permission to use culture-track courses in English (from a list pre-approved by the College Appeals Committee) as substitutions for the intermediate-level 203 and 204 language classes.

See the Liberal and Interdisciplinary Studies Major (p. 417) for requirements.

## Integrated Professional Studies

1100 West Market St., Rm. 308  
336-315-7792

**Muktha Jost**, Executive Director, *Liberal and Professional Studies*  
**Angi Kinsey**, Professional Studies Advisor and winner of 2023 Advising Award (College of Arts and Sciences)

### Program Faculty

*David Bull, Lecturer*

*Sarah Dunning, Lecturer*

### Affiliated Faculty

*Alan Benson, Megan Cayton, Amy Ernstes, Laura Field, Robbie Furter, Angela Kinsey, Carrie Levesque, Melissa Roberts, Joseph Ross, Megan Rudock, Jeffrey Sarbaum, Jenni Simon, John Stinnett, Frannie Varker, Mike Watson*

### Overview

Take your career to the next level with a degree that makes you stand out. Develop the expertise you need and the skills employers want as you learn to see and think from different perspectives.

Earn your B.S. in Professional Studies online at UNCG to:

- Master critical thinking and problem solving skills in fully online courses.
- Practice skills with real-world projects, not endless exams.
- Develop depth of interest and breadth of perspective that employers want.
- Chart a clear path to graduation with a team that supports you.

### Career Preparation

Research shows that employers are looking for professionals with a T shape—having the depth in an area of interest and the breadth to see and think from different perspectives. Employers say these skills are lacking in today's graduates, so the Professional Studies program was designed to develop them. Students build on existing knowledge in a field while gaining skills that apply to any workplace and any role.

The Professional Studies program offers multiple entry points for new freshman, transfer students as well as change of major students. The core courses in the program contribute to a breadth of knowledge while the courses in a selected 'area of focus' offer the depth of knowledge in a discipline. Six core courses build on each other and help identify patterns, interpret data, work collaboratively to solve problems, and make informed decisions. The Capstone at the end of the program provides students

with an opportunity to apply and demonstrate their learning by creating an electronic portfolio.

### The Professional Studies Difference

The program was designed to meet the needs of all students—from the job seeker to the working professional. All Professional Studies courses are seven weeks long, and offered online. Also, there are no set class times. There will be set due dates for assignments and projects, but otherwise the program offers the flexibility for students to pursue their degree without class meetings. At the same time, instructors use a variety of tools to personalize the online classroom.

The Bachelor's in Professional Studies is intentionally structured to challenge students to think and learn in new ways, and real-world projects and case studies form the foundation for learning. The focus is on thinking critically, interpreting data, and solving problems, all of which can be used immediately in the workplace.

In addition, students receive customized support designed on the basis of career goals, interests, and transfer credits that creates a clear path to graduation.

### Course Highlights

Design and Systems Thinking (IPS 300)

How do thoughts, perspectives, models, patterns, and perceptions impact the world? That will be the focus of this course, as you apply systems-thinking tools to case studies and a real-world example of your own choosing.

Global Awareness and Intercultural Competence (IPS 305)

In today's workplace, cultural competence and empathy are more important than ever. Increase your global awareness and learn how to use empathy effectively when working with other cultures.

## International and Global Studies

*College of Arts and Sciences*

336-334-5557 or 336-334-5560

<https://igs.uncg.edu>

**Kathleen Macfie**, Director, *International and Global Studies Program and Associate Professor of Russian, Department of Languages, Literatures, and Cultures*

### Committee Members

*James Anderson, Department of History*

*Ali Askarov, Department of Peace and Conflict Studies*

*Ye (Jane) He, Department of Teacher Education and Higher Education*

*Etsuko Kinefuchi, Department of Communication Studies*

*Kathleen Macfie, Director, International and Global Studies Program and Associate Professor, Department of Languages, Literatures, and Cultures*

*Natacha Nikozeza, The Center for New North Carolinians*

*Penelope Pynes, International Programs Center*

*Neelofer Qadir, International and Global Studies Program, Department of English*

*Linda Rupert, Department of History*

*William Zang, Assistant Director, International and Global Studies Program*

### Mission Statement

The International and Global Studies Program educates and empowers students to be engaged global citizens. Our interdisciplinary, liberal

arts approach emphasizes intercultural competency, strong foreign language proficiency, and a critical understanding of the complexity and interconnectedness of world regions and populations. Study Abroad and other cross-cultural experiences are also integral components of the Program. We therefore prepare our students for a variety of public- and private-sector careers where these qualities and experiences are valued, as well as for graduate and professional studies in fields with an international or global focus.

## **Liberal and Interdisciplinary Studies Major Concentrations in the International and Global Studies Program**

Concentration areas afford intellectual and curricular definition to each student's course of study. Majors, second majors, and minors should select the concentration area that best complements their interests.

### **Functional Studies**

- **International and Global Affairs and Development** (major concentration)  
A study of the political, sociological, economic, environmental, and health-related issues and the interdependence among peoples, governments, and nations of the world.
- **International and Global Arts and Belief Systems** (major concentration)  
A study of the arts, literatures, philosophies, and belief systems unique to and interconnecting other nations and peoples of the world.
- **International and Global Human Rights** (major concentration)  
A study of the foundations of freedom, justice, and peace as they relate to the protection of the dignity and rights of human beings around the world.

### **Regional Studies**

- Asian Studies (major concentration or minor)
- Latin American and Caribbean Studies (major concentration or minor)
- Russian Studies (major concentration or minor)
- African Studies (minor)
- European Studies (minor)

### **International/Global Experience (IGE)**

By the end of their final semester of study, all IGS majors must have completed an approved "international" or "global" experience. This requirement will be met by completing a qualified study-abroad experience that satisfies the requirements listed below.

### **A Qualified Study-Abroad Experience**

Study abroad affords the greatest opportunity for total immersion in another socio-political, economic, and cultural context, thus enhancing knowledge, skills, and dispositions central to the major. In addition, course work completed during study abroad typically has application toward the major's curricular requirements (especially IGS's foreign language and/or Additional Course requirements). The characteristics listed below shall distinguish such an experience as "qualified".

- Any semester- or year-long study abroad experience with exchange partners arranged through UNC Greensboro's International Programs Center (IPC).
- A short-term or summer study-abroad program approved by IPC or the IGS Director and equivalent to at least 6 credits of academic credit.

Note: whenever possible, students should select a study abroad site that affords an immersion experience for the foreign language they are studying to meet the IGS FL requirement.

Confirmation of completion of this requirement will be documented on the IGS Degree Audit following review of the student's UNC Greensboro transcript or UNC Greensboro degree evaluation. This audit will be submitted to the University Registrar's Office at the end of the major's program of study.

### **Study Abroad Alternative**

In circumstances where study abroad is unfeasible (e.g., in cases of serious financial or personal hardship) or redundant (e.g., in cases of international students), a major must submit a "Study Abroad Alternative" request to the IGS director, who will assess the validity of the case. Should the study abroad obligation be waived, the IGE requirement should be met by completing the UNC Greensboro Global Leadership Program (GLP) by the student's final semester of study. The GLP offers students who are interested in international and global societies and issues an opportunity to hone the range of skills necessary to develop as global leaders. Through a combination of experiences involving work with immigrants and refugees in the local community and/or foreign students on campus, GLP participants will prepare themselves to become engaged world citizens with an appreciation of the importance of intercultural understanding.

Additional alternatives may be available. Contact the IGS director for details.

### **Category Descriptions for Major Requirements**

Courses to fulfill the 18 credits in the major requirements are chosen from among the four categories. A unique set of courses by category are identified in the Additional Courses Options for each concentration. Eligible courses must also focus at least 51 percent on the modern period (19th century to the present), except as noted in the Additional Courses Options.

### **Category 1—Society and Politics (S&P)**

Any course with a 51 percent or more focus on social, historical, and political issues of international and/or global relevance.

### **Category 2—Economics and Development (E&D)**

Any course with a 51 percent or more focus on issues related to international and global economics and development such as: regional and global economic integration, industrialization versus basic-needs, environmental sustainability, and international human health.

### **Category 3—Arts and Literature (A&L)**

Any course with a 51 percent or more focus on the arts and/or literatures of nations and cultures outside of the United States, or any course reading literature in a foreign language at the 300 level or above.

### **Category 4—Belief Systems and Cultures (BS&C)**

Any course with a 51 percent or more focus on ideologies, philosophies, and belief systems unique to and/or interconnected with other nations and peoples of the world.

#### **Senior Lecturer**

Joyce Francis Clapp  
Sarah A Krive  
Matthew John McKinnon  
Ann E. Millett

#### **Lecturer**

David M Bull  
 Aneliese Katri Dar  
 Sarah Gurney Dunning  
 Amy Marie Ernstes  
 Sarah Jane Gates  
 Carrie Levesque  
 Jay Parr  
 Susan Thomas<sup>G</sup>

G Graduate-level faculty.

- Liberal and Interdisciplinary Studies, B.A. (p. 417)
- Professional Studies Online, B.S. (p. 434)
- African Studies Undergraduate Minor (p. 435)
- Archaeology Undergraduate Minor (p. 435)
- Asian Studies Undergraduate Minor (p. 435)
- European Studies Undergraduate Minor (p. 436)
- International and Global Studies Undergraduate Minor (p. 436)
- Latin American and Caribbean Studies Undergraduate Minor (p. 436)
- Russian Studies Undergraduate Minor (p. 436)
- Liberal and Interdisciplinary Studies, M.A. (p. 437)
- eLearning, Post-Baccalaureate Certificate (p. 437)
- Global Studies, Post-Baccalaureate Certificate (p. 438)

## Liberal and Interdisciplinary Studies, B.A.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

### Major Requirements

Select one of the concentrations following the major requirements.

### Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Concentrations

The Liberal and Interdisciplinary Studies major offers multiple concentrations whose requirements are listed below.

Each concentration is administered by an interdepartmental program as follows:

- Archaeology Program
  - Archaeology (p. 417)
- Bachelor of Arts in Liberal Studies Program

- General Psychology (p. 419)
- Humanities (p. 419)
- Professional Studies (p. 431)
- Social Sciences (p. 432)
- International and Global Studies Program
  - Asian Studies (p. 418)
  - International and Global Affairs and Development (p. 420)
  - International and Global Arts and Belief Systems (p. 424)
  - International and Global Human Rights (p. 429)
  - Latin American and Caribbean Studies (p. 430)
  - Russian Studies (p. 432)

Program administrators are also identified within the requirements for each concentration.

### Archaeology Concentration Requirements

Administered by the Archaeology Program (<https://catalog.uncg.edu/arts-sciences/archaeology/>).

- Minimum 33 credit hours distributed as follows. Under special circumstances and with the permission of the Committee, some required courses may be substituted for others.

Code	Title	Credit Hours
<b>Core Requirements</b>		<b>15</b>
ATY 158	Adventures in Time-Travel through Archaeology	
ATY 360	Methods in Archaeology	
CCI 211	Introduction to Greek Archaeology	
CCI 212	Introduction to Roman Archaeology	
GES 121	Introduction to Geographic Information Science	
<b>Area Requirements</b>		<b>12</b>
<i>Old World Archaeology</i>		
<i>Select one of the following:</i>		
ATY 341	Paleolithic Archaeology	
CCI 312	The Art and Archaeology of Egypt	
CCI 313	Archaeology of the Aegean	
CCI 314	Ancient Cities	
HIS 380	Topics in the Near and Middle East	
<i>New World Archaeology</i>		
<i>Select one of the following:</i>		
ATY 334	Latin American Art and Archaeology	
ATY 370	Historical Archaeology of the Modern World	
ATY 434	Archaeology of South America	
ATY 440	Colliding Worlds: Forming America	
ATY 462	Archaeology of the Southeastern United States	
<i>Analytical Methods and Techniques</i>		
<i>Select 6 credits of the following:</i>		
ATY 477	Zooarchaeology	
ATY 479	Analysis of Archaeological Data	
ATY 453	Human Osteology	
ATY 475	Research Methods in Historical Archaeology	
GES 314 & 314L	Physical Geography: Landscape Processes and Physical Geography Laboratory	
GES 357	Principles of Cartography	

GES 359	Remote Sensing of Environment	Russian
GES 421	Geographic Information Science	Spanish
ATY 478	Field Methods in Archaeology *	<b>Core Courses **</b>
CCI 401	Archaeological Practicum *	
CCI 450	Internship in Classical Studies *	IGS 200      Introduction to International and Global Studies
<b>Related Area Electives</b>	<b>6</b>	IGS 400      Capstone Seminar in International and Global Studies
<i>Select 6 credits from any of the above courses or choose from the following:</i>		<b>Additional Courses</b>
ARC 381	Study Abroad Experience in Archaeology	<i>Select 18 credits from Additional Courses</i>
ATY 444	Archaeology of Power/Politics	*
ARC 493	Honors in Archaeology	Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.
ARC 498	Special Archaeological Research	** Or approved equivalents.
ARC 499	Internship in Archaeology	
ART 281	Ceramics I	
ART 285	Photography I	
ATY 113	Engaging Culture	
ATY 208	Lost Tribes and Sunken Lands	
ATY 449	Gender Archaeology	
ATY 403	Selected Topics in Anthropology	
ATY 423	Applying Archaeology in the Real World	
CCI 360	Archaeology of the Roman Provinces: Britain and Gaul	
CCI 365	Archaeology of the Roman Provinces: Asia Minor and Syria	
CCI 412	The Archaeology of Roman Daily Life	
CCI 412	The Archaeology of Roman Daily Life	
GES 358	Geographic Information Systems	
HIS 220	The Ancient World	

\* Include no more than 3 credits from the following:

- ATY 478
- CCI 401
- CCI 450

## Asian Studies Concentration Requirements

Administered by the International and Global Studies Program (<https://catalog.uncg.edu/arts-sciences/international-global-studies/#text>).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
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### Foreign Language Requirements

Select a modern foreign language at the 300 level or higher from the following:

Chinese	
French	
German	
Italian *	
Japanese	
Portuguese *	

<b>Core Courses **</b>	<b>6</b>
IGS 200	Introduction to International and Global Studies
IGS 400	Capstone Seminar in International and Global Studies

### Additional Courses

Select 18 credits from Additional Courses

\* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* Or approved equivalents.

### Additional Courses

Must include a minimum of 9 credits at the upper level (300 level or above).

No more than 9 credits may come from any single category.

Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.

- Must include 12–18 credits from courses identified in the Additional Courses Options for the Asian Studies concentration. Must use the Additional Course Options for this concentration.
- Must include 6–9 credits at the upper level (300 level or above).
- May include 0–6 credits 200-level and above courses from courses identified in the Additional Courses Options for any concentration
- May use the Additional Courses Options for any International and Global Studies concentration.
- Must include 0–3 credits at the upper level (300 level or above)

### Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the Asian Studies concentration.

Note: Further options (subject to director approval) may appear in the guide published on the IGS website.

Code	Title	Credit Hours
<b>Category 1—Society and Politics (S&amp;P)</b>		
<i>200-Level Course Options</i>		
HIS 216	The Civilizations of Asia *	
HIS 215	The Civilizations of Asia *	
<i>Upper-Level Course Options</i>		
HIS 488	East Asian History: Selected Topics	
JNS 306	Current Issues in Japan	
<b>Category 2—Economics and Development (E&amp;D)</b>		
<i>200-Level Course Options</i>		
None available.		
<i>Upper-Level Course Options</i>		
GES 306	World Economic Geography	
GES 340	Geography of East Asia	
<b>Category 3—Arts and Literature (A&amp;L)</b>		
<i>200-Level Course Options</i>		
CHI 210	Masterworks of Chinese Literature in Translation	

		<b>Distribution Requirement</b>	<b>12</b>
CHI 220	Modern Chinese Literature and Culture	<i>Literature</i>	
JNS 230	Women in Japanese Literature and Film	Select one of the following:	
MUS 244	Music Cultures of the World	BLS 221 Know Slow - Countering the Culture of Speed	
<i>Upper-Level Course Options</i>		BLS 222 Notes from Underground: Resistance and Everyday Culture	
BLS 327	Contemporary Asian Literature	BLS 320 Selected Topics: Literature	
CHI 313	Major Figures in Chinese Literature	BLS 321 Narrative Ethics: Literary Texts and Moral Issues in Medicine	
MST 327	Non-Western Film: Asian	BLS 322 Revolutionary Lives	
MUS 354	Modern Asia Through Its Music	BLS 323 Short Reads	
<b>Category 4—Belief Systems and Cultures (BS&amp;C)</b>		BLS 324 Banned Books	
<i>200-Level Course Options</i>		BLS 325 Mystery, Mayhem, and Murder	
CHI 220	Modern Chinese Literature and Culture	BLS 326 Telling Stories: The Memoir	
IGS 295	Study Abroad for Global Engagement: Pre-Departure	BLS 327 Contemporary Asian Literature	
IGS 296	Study Abroad for Global Engagement: Field Experience	<i>Fine Arts</i>	
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications	Select one of the following:	
JNS 220	Modern Japan	BLS 241 Visualizing Disability	
MUS 244	Music Cultures of the World	BLS 340 Selected Topics: Fine Arts	
REL 221	Buddhism	BLS 342 Painting on the Page	
REL 223	Hinduism	BLS 343 Big Plays, Big Ideas	
<i>Upper-Level Course Options</i>		BLS 345 Photography: Contexts and Illusions	
CHI 305	Topics in Chinese Culture	BLS 346 The Art of Life	
JNS 306	Current Issues in Japan	BLS 347 Shakespeare Off the Page	
MUS 354	Modern Asia Through Its Music	BLS 348 Representing Women	
REL 368	Religion in South Asia: Selected Topics	<i>Philosophy/Religion/Ethics</i>	
		Select one of the following:	
		BLS 360 Selected Topics: Philosophy/Religion/Ethics	
		BLS 361 American Dreams	
		BLS 362 Vice, Crime, and American Law	
		BLS 363 Ethics and Technology	
		BLS 364 Mystics in America	
		BLS 365 Divided We Stand	
		BLS 366 Life, Death, and Meaning	
<i>Historical Perspectives</i>			
		Select one of the following:	
		BLS 380 Selected Topics: Historical Perspectives	
		BLS 381 Old Europe/New Europe	
		BLS 382 The Sixties	
		BLS 383 Religious Resistance to Political Power	
		BLS 384 Great Trials in American History	
		BLS 385 American Motherhood	
		BLS 386 Women, War, and Terror	
		BLS 387 Entrepreneurship in American History	

\* Exception to the 51 Percent Modern Requirement.

## General Psychology Concentration Requirements

Administered by the Bachelor of Arts in Liberal Studies Program (<https://catalog.uncg.edu/arts-sciences/bachelor-of-arts-in-liberal-studies/>).

- Minimum of 30 credits as listed below.

Code	Title	Credit Hours
		<b>30</b>
<b>Required</b>		
PSY 121	General Psychology	
SSC 300	Doing Social Sciences	
SSC 400	Senior Seminar in the Social Sciences	
21 Additional credits in PSY Courses including 12 at the 300+ level *		

\* PSY 433 can count for a maximum of 3 credits.

## Humanities Concentration Requirements

Administered by the Bachelor of Arts in Liberal Studies Program (<https://catalog.uncg.edu/arts-sciences/bachelor-of-arts-in-liberal-studies/>).

- Minimum of 30 credits as listed below.

Code	Title	Credit Hours
		<b>6</b>
<b>Core Courses</b>		
BLS 300	Seminar in Humanities	
BLS 301	Pathways: Reading and Writing in the Humanities	

<b>Area of Emphasis</b>	<b>9</b>
Select at least three additional courses in one of the topic areas of the following:	
<i>Literature</i>	
BLS 221	Know Slow - Countering the Culture of Speed
BLS 222	Notes from Underground: Resistance and Everyday Culture
BLS 320	Selected Topics: Literature

		Code	Title	Credit Hours
BLS 321	Narrative Ethics: Literary Texts and Moral Issues in Medicine			
BLS 322	Revolutionary Lives			
BLS 323	Short Reads			
BLS 324	Banned Books			
BLS 325	Mystery, Mayhem, and Murder			
BLS 326	Telling Stories: The Memoir			
BLS 327	Contemporary Asian Literature			
BLS 342	Painting on the Page			
BLS 343	Big Plays, Big Ideas			
BLS 347	Shakespeare Off the Page			
BLS 386	Women, War, and Terror			
<i>Fine Arts</i>				
BLS 241	Visualizing Disability			
BLS 340	Selected Topics: Fine Arts			
BLS 342	Painting on the Page			
BLS 343	Big Plays, Big Ideas			
BLS 345	Photography: Contexts and Illusions			
BLS 346	The Art of Life			
BLS 347	Shakespeare Off the Page			
BLS 348	Representing Women			
<i>Philosophy/Religion/Ethics</i>				
BLS 360	Selected Topics: Philosophy/Religion/Ethics			
BLS 361	American Dreams			
BLS 362	Vice, Crime, and American Law			
BLS 363	Ethics and Technology			
BLS 364	Mystics in America			
BLS 365	Divided We Stand			
BLS 366	Life, Death, and Meaning			
<i>Historical Perspectives</i>				
BLS 380	Selected Topics: Historical Perspectives			
BLS 381	Old Europe/New Europe			
BLS 382	The Sixties			
BLS 383	Religious Resistance to Political Power			
BLS 384	Great Trials in American History			
BLS 385	American Motherhood			
BLS 386	Women, War, and Terror			
BLS 387	Entrepreneurship in American History			
<b>Capstone Seminar</b>				
				3
BLS 400	Senior Seminar in the Humanities			

## International and Global Affairs and Development Concentration Requirements

Administered by the International and Global Studies Program (<https://catalog.uncg.edu/arts-sciences/international-global-studies/#text>).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

### Foreign Language Requirements

6

Select 6 credits of a modern foreign language at the 300 level or higher from the following:

Chinese

French

German

Italian \*

Japanese

Portuguese \*

Russian

Spanish

### Core Courses \*\*

6

IGS 200 Introduction to International and Global Studies

IGS 400 Capstone Seminar in International and Global Studies

### Additional Courses

18

Select 15 credits from Category 1 (S&P) or Category 2 (E&D)<sup>1</sup>

Select 3 credits (200 level or above) from Category 3 (A&L) or Category 4 (BS&C)

\* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* Or approved equivalents.

<sup>1</sup> Maximum of 9 credits in one category and no more than 6 credits in the other category. 6 credits must be upper level (300 level or above).

### Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the International and Global Affairs and Development concentration.

		Code	Title	Credit Hours
<b>Category 1—Society and Politics (S&amp;P)</b>				
<i>200-Level Course Options</i>				
	HIS 203	History of Africa to 1870		
	HIS 204	History of Africa since 1870		
	HIS 208	Topics on the West and the Modern World		
	HIS 209	Topics in Modern World History		
	HIS 215	The Civilizations of Asia *		
	HIS 216	The Civilizations of Asia		
	HIS 217	The World, 1900-1945		
	HIS 218	The World since 1945		
	HIS 223	The Making of Modern Europe		
	HIS 239	The First America: Latin America, 1492-1830		
	HIS 240	(Dis)order and Progress: Latin America since 1810		
	PCS 205	Violence in the Modern World		
	PSC 240	The International System		
	PSC 250	Model United Nations		
	PSC 260	Introduction to Comparative Politics		
	PSC 290	The Politics of the Non-Western World		
	SOC 202	Social Problems in Global Context		
	SOC 225	Race, Class, and Gender: Social Inequalities		

<i>IGS Marker Required: **</i>		HIS 474	Modern Germany: Selected Topics
HSS 202 Seminar in Historical Perspectives: Modern		HIS 475	Modern Russian History: Selected Topics
HSS 208 Seminar in Social and Behavioral Studies		HIS 481	African History: Selected Topics
HSS 212 Seminar in Historical Perspectives: Modern		HIS 487	Southern African History
HSS 218 Seminar in Social and Behavioral Studies		HIS 488	East Asian History: Selected Topics
HSS 222 Seminar in Historical Perspectives: Modern		Japanese Courses:	
HSS 228 Seminar in Social and Behavioral Studies		JNS 306	Current Issues in Japan
RCO 202 Residential College Seminar in Historical Perspectives: Modern		Peace and Conflict Studies Courses:	
RCO 205 Residential College Seminar in Social and Behavioral Studies		PCS 305	Foundations of Peace and Conflict Studies
RCO 212 Residential College Seminar in Historical Perspectives: Modern		PCS 311	Conflict Research
RCO 215 Residential College Seminar in Social and Behavioral Studies		PCS 405	Localizing Peace
RCO 222 Residential College Seminar in Historical Perspectives: Modern		PCS 406	Environmental Justice
RCO 225 Residential College Seminar in Social and Behavioral Studies		PCS 415	Global Peacebuilding
<i>Upper-Level Course Options</i>		PCS 418	Peacebuilding Challenges
African American Studies Courses:		Philosophy Courses:	
ADS 306 Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas		PHI 338	Ethics and International Affairs
ADS 356 The Making of the African Diaspora		Political Science Courses:	
Geography Courses:		PSC 341	International Law
GES 301 Cities of the World		PSC 344	Politics of Globalization
GES 303 World Population Problems		PSC 347	International Security
GES 315 The Geography of World Affairs		PSC 348	International Organization
GES 333 Geography of Europe		PSC 350	Democratic Political Systems
GES 338 Regions of Latin America		PSC 352	Nationalism and Ethnic Politics
GES 340 Geography of East Asia		PSC 354	Post-Conflict Politics
Health Courses, Public:		PSC 355D	Selected Topics in Comparative Politics: Politics of Industrial Societies
HEA/ENT 307 Global Health		PSC 355J	Selected Topics in Comparative Politics: Middle East Politics
History Courses (300 level):		PSC 355K	Selected Topics in Comparative Politics: Russian Politics
HIS 341 Pirates of the Caribbean: The Real Story		PSC 355M	Selected Topics in Comparative Politics: Political Economy
HIS 348 The World at War, 1914-1918		PSC 355N	Selected Topics in Comparative Politics: European Union
HIS 349 The World at War, 1939-1945		PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America
HIS 356 The Making of the African Diaspora		PSC 391	African Political Systems
HIS 369 History of Spain		PSC 392	The Politics of South Africa Through Film and Literature
HIS 374 British History 1688-Present		Sociology Courses:	
HIS 376 German History, 1914-1945		SOC 323	Deviance and Social Control
HIS 377 Russian History to 1900		SOC 342	Global Inequalities
HIS 378 Russian History since 1900		SOC 344	Global Society
HIS 381 The Near and Middle East since World War I		SOC 346	Population Problems
HIS 389 West Africa during the Atlantic Slave Trade		SOC 371	Race, Ethnicity, and Migration in a Global Context
HIS 392 Nazi Germany & the Holocaust		SOC 429	Collective Violence and Nonviolence in Global Perspective
History Courses (400 level):		<i>IGS Marker Required: **</i>	
HIS 408 Latin America and Caribbean: Selected Topics		ADS 305	Special Topics in African American Studies
HIS 460 19th Cen Europe: Selectd Topics		BLS 380	Selected Topics: Historical Perspectives
HIS 462 Twentieth-Century Europe: Selected Topics		GES 404	Political Geography
HIS 464 Modern Britain: Selected Topics		HEA 471	Immigrant and Refugee Health
HIS 467 French History: Selctd Topics		HIS 320	History of Mexico and Central America
HIS 471 Modrn Europn Thought:Selc Tpcs			

HIS 380	Topics in the Near and Middle East	PSY 433	Research Experience in Psychology
HIS 414	Topics in World History	RCS 464	Global Retail Strategy and Management
HIS 492	Honors Work: European History	SWK 315	Social Work, Diversity, and Vulnerable Populations
HIS 493	Honors Work: Wider World History	TED 445	Human Diversity, Teaching, and Learning
PSC 300	Special Topics	<b>Category 3—Arts and Literature (A&amp;L)</b>	
PSC 401	Individual Study	<i>200-Level Course Options</i>	
PSC 410H	Global Challenges	CHI 210	Masterworks of Chinese Literature in Translation
SOC 328	Social Movements	CHI 220	Modern Chinese Literature and Culture
SOC 377	Disaster, Self, and Society	DCE 200	Dance Appreciation
<b>Category 2—Economics and Development (E&amp;D)</b>		DCE 231	Global Dance Forms <sup>1</sup>
<i>200-Level Course Options</i>		DCE 232	African Dance II <sup>1</sup>
CRS 221	Global Perspectives on Culture, the Body, and Dress	ENG 204	Nonwestern Literary Classics
ECO 201	Principles of Microeconomics	ENG 208	Topics in Global Literature
ECO 202	Principles of Macroeconomics	ENG 209	Topics in Non-Western Literature
HTM 231	Tourism, Cultures, and Places	ENG 212	Major British Authors: Romantic to Modern
HTM 250	Diversity and Equity in Hospitality, Tourism and Esports	FRE 222	Explorations in French Literature: English Versions
<i>Upper-Level Course Options</i>		GER 217	German Texts That Changed the World I - Read in English
BUS 342	International Entrepreneurship	GER 218	German Texts That Changed the World II - Read in English
CRS 363	Global Sourcing of Apparel and Related Consumer Products	GER 222	The Holocaust in Literature and Art
ECO 300	The International Economy	JNS 230	Women in Japanese Literature and Film
ECO 367	Economic Growth and Development	MUS 241	Music Appreciation
FRE 341	Business French	MUS 242	Music for Film
FRE 499	Community-Based Service Learning in Francophone Studies	MUS 244	Music Cultures of the World
GES 301	Cities of the World	<i>IGS Marker Required: **</i>	
GES 303	World Population Problems	ENG 215	Literature and Film
GES 306	World Economic Geography	HSS 205	Seminar in the Fine Arts
GES 315	The Geography of World Affairs	HSS 207	Seminar in Literature
GES 320	Tourism Planning and Development	HSS 215	Seminar in the Fine Arts: Global Non-Western
GES 333	Geography of Europe	HSS 217	Seminar in Literature
GES 338	Regions of Latin America	HSS 225	Seminar in the Fine Arts
GES 340	Geography of East Asia	HSS 227	Seminar in Literature
HDF 390	Families and Children in Global Perspective	MST 225	Film Appreciation
HEA 307	Global Health	RCO 204	Residential College Seminar in Literature and Rhetoric
HEA 316	Environmental Health	RCO 214	Residential College Seminar in Literature and Rhetoric
MGT 301	Introduction to International Business	RCO 224	Residential College Seminar in Literature and Rhetoric
MGT 302	International Business: Operations and Environments in Foreign Jurisdictions	RCO 226	Residential College Seminar in Fine Arts
MGT 304	Current Issues in International Business	<b>Upper-Level Course Options</b>	
PCS 405	Localizing Peace	African American Studies Courses:	
PCS 406	Environmental Justice	ADS 376	Africana Literature
PCS 440	Social Entrepreneurship: Justice and a Green Environment	Art History Courses:	
PSC 355M	Selected Topics in Comparative Politics: Political Economy	ARH 345	European Art in the Nineteenth Century
<i>IGS Marker Required: **</i>		ARH 351	Architecture in the Twentieth Century
ATY 420	Economic Anthropology	ARH 370	African Art: Ancient Empires to Colonial Contact
GES 433	Regional Economic Development	Chinese Courses:	
HEA 471	Immigrant and Refugee Health	CHI 313	Major Figures in Chinese Literature
PSY 370	Ethnicity, Development, and Psychopathology	Dance Courses:	
		DCE 332	African Dance III ***
		English Courses:	

ENG 315	Postcolonial Literatures	BLS 325	Mystery, Mayhem, and Murder
ENG 316	Studies in Human Rights and Literature	BLS 326	Telling Stories: The Memoir
ENG 344	The Romantic Period	BLS 348	Representing Women
ENG 345	The Victorian Period	BLS 386	Women, War, and Terror
ENG 346	British Literature from Victorian to Modern	ENG 331	Women in Literature
ENG 348	Contemporary British Literature and Culture	ENG 347	Topics in Post-1800 Literature
ENG 350	The Twentieth-Century British and Irish Novel	ENG 353	The Contemporary American Novel
ENG 445	19th Century British Writers	ENG 358	Modern Poetry
ENG 452	Modern English Writers	ENG 359	Contemporary Poetry
ENG 459	Twentieth Cent British Poetry	ENG 453	Topics in English Studies
French Courses:		ENG 482	Modern Drama
FRE 353	The French Imaginary: Fiction and Culture	FRE 450	Tpcs French Literary Movements
FRE 455	Topics in French and Francophone Literature and Film	FRE 451	Topics in French Prose Fiction
FRE 458	Topics in Francophone Lit	FRE 456	Topics in French Theatre
FRE 463	Studies in Film Genre	FRE 457	Advanced Topics in French Literature
German Courses:		FRE 459	Topics in French Poetry
GER 305	German Literature: Advanced Intermediate Topics	MUS 431	Selected Topics in Ethnomusicology
GER 309	Topics in Central European Studies since 1918	MUS 485	Music of the Nineteenth Century
GER 405	Advanced Topics in German Literature	MUS 486	Music of the Twentieth Century
GER 422	German Memory in Fiction and Film	PHI 322	Philosophy of the Arts
Humanities Courses:		SPA 406	Topics in Latin American Literature
BLS 322	Revolutionary Lives	SPA 454	Seminar in Latin American Literature
BLS 327	Contemporary Asian Literature	<b>Category 4—Belief Systems and Cultures (BS&amp;C)</b>	
Media Studies Courses:		ATY 235	Cultures of Africa
MST 302	Introduction to Film History	200-Level Course Options	
MST 327	Non-Western Film: Asian	CHI 220	Modern Chinese Literature and Culture
MST 420	History of Film to 1938	CRS 221	Global Perspectives on Culture, the Body, and Dress
MST 421	History of Film since 1938	FRE 232	Images of France and the Francophone World
Music Courses:		HTM 231	Tourism, Cultures, and Places
MUS 333	History of Western Music III	HTM 250	Diversity and Equity in Hospitality, Tourism and Esports
MUS 354	Modern Asia Through Its Music	IGS 295	Study Abroad for Global Engagement: Pre-Departure
Russian Courses:		IGS 296	Study Abroad for Global Engagement: Field Experience
RUS 306	Slavic Life and Letters: Topics	IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications
RUS 313	Major Authors in Russian Literature	JNS 220	Modern Japan
RUS 314	Major Movements in Russian Literature and Culture	MUS 244	Music Cultures of the World
Spanish Courses:		PHI 267	Existentialism
SPA 351	Introduction to Literary Studies	REL 201	The Bible in Western Culture
SPA 407	Topics in Spanish Literature	REL 215	Judaism
SPA 452	Seminar in Spanish Literature	REL 217	The Synagogue
SPA 462	Seminar in Film Genre	REL 221	Buddhism
Theatre Courses:		REL 223	Hinduism
THR 401	Theatre History II	REL 225	Islam
THR 402	Theatre History III	REL 226	Approaches to the Qur'an
THR 406	Global Performance and Theatre	REL 240	Modern Judaism
IGS Marker Required: **		REL 248	Comparative Religious Ethics
ARH 352	Early Twentieth-Century Art	REL 250	Religious Traditions and Care of the Earth
ARH 353	Late Twentieth-Century Art	REL 251	Topics in Religious Social Ethics
ARH 411	Topics in the History of Art	IGS Marker Required: **	
BLS 320	Selected Topics: Literature		
BLS 323	Short Reads		

HSS 206	Seminar in Philosophical/Religious/Ethical Principles	Religious Studies Courses:
HSS 216	Seminar in Philosophical/Religious/Ethical Principles	REL 312 Judaism and the Construction of Gender
HSS 226	Seminar in Philosophical/Religious/Ethical Principles	REL 340 Modern Jewish Thinkers
RCO 203	Residential College Seminar in Philosophical/ Religious/Ethical Principles	REL 368 Religion in South Asia: Selected Topics
RCO 213	Residential College Seminar in Philosophical/ Religious/Ethical Principles	Spanish Courses:
RCO 223	Residential College Seminar in Philosophical/ Religious/Ethical Principles	SPA 311 Views of the Hispanic World Through Intermediate Conversation
<i>Upper-Level Course Options</i>		SPA 332 Foundations in Spanish Cultures, Literatures and Films
African American Studies Courses:		SPA 334 Foundations in Latin American Cultures, Literatures and Films
ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas	SPA 432 Seminar in Spanish Cultures, Literatures and Films
Anthropology Courses:		SPA 436 Seminar in Latin American Cultures, Literatures and Films
ATY 315	World Ethnographies	<i>IGS Marker Required: **</i>
ATY 333	Latin American Societies and Cultures	ADS 305 Special Topics in African American Studies
ATY 334	Latin American Art and Archaeology	ATY 311 Reading Culture and Society
ATY 385	Language and Culture	ATY 403 Selected Topics in Anthropology
ATY 426	Food and Culture in a Global Context	ATY 450 Environmental Anthropology
ATY 434	Archaeology of South America	BLS 360 Selected Topics: Philosophy/Religion/Ethics
ATY 447	Myth, Magic, and Religion	BLS 383 Religious Resistance to Political Power
Chinese Courses:		CST 460 Special Topics in Communication Research
CHI 305	Topics in Chinese Culture	PHI 331 Social and Political Philosophy
Communication Studies Courses:		SPA 435 Seminar in U.S. Latino/Latina Cultural Studies
CST 337	Intercultural Communication	WGS 333 Postcolonial and Transnational Feminisms
French Courses:		WGS 450 Topics Seminar in Women's, Gender and Sexuality Studies
FRE 332	Contemporary French Culture	
FRE 433	French Francophn Civ / Culture	
German Courses:		
GER 309	Topics in Central European Studies since 1918	* <i>Exception to the 51 Percent Modern Requirement.</i>
GER 310	German Culture: Advanced Intermediate-Topics in German Film	** <i>The courses listed apply only when carrying the IGS marker in the Schedule of Courses for the term taken.</i>
GER 406	Advanced Topics in German Culture	1 <i>1 credit Dance Courses. The courses listed must be taken three times to qualify.</i>
GER 422	German Memory in Fiction and Film	
Humanities Courses:		
BLS 381	Old Europe/New Europe	<b>International and Global Arts and Belief Systems Concentration Requirements</b>
BLS 386	Women, War, and Terror	Administered by the International and Global Studies Program ( <a href="https://catalog.uncg.edu/arts-sciences/international-global-studies/#text">https://catalog.uncg.edu/arts-sciences/international-global-studies/#text</a> ).
Japanese Studies Courses:		<ul style="list-style-type: none"> <li>• 30 credits at the 200 level and above.</li> <li>• To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.</li> <li>• No requirements for the major can be met by a grade lower than C-.</li> </ul>
JNS 306	Current Issues in Japan	
Music Courses:		
MUS 354	Modern Asia Through Its Music	
Nursing Courses:		
NUR 390	Culture and Health Care	<b>Code</b>
Peace and Conflict Studies Courses:		<b>Title</b>
PCS 309	Conflict and Culture	<b>Credit Hours</b>
Philosophy Courses:		
PHI 342	History of Modern Philosophy	<b>Foreign Language Requirements</b>
PHI 338	Ethics and International Affairs	<i>Select 6 credits at the 300 level or higher from the following:</i>
PHI 348	Existentialism, Phenomenology, and Structuralism	Chinese
PHI 445	Social Philosophy	French
		German
		Italian *
		Japanese
		Portuguese *
		Russian

Spanish			
<b>Core Courses **</b>	<b>6</b>		
IGS 200	Introduction to International and Global Studies	RCO 212	Residential College Seminar in Historical Perspectives: Modern
IGS 400	Capstone Seminar in International and Global Studies	RCO 215	Residential College Seminar in Social and Behavioral Studies
<b>Additional Courses</b>		RCO 222	Residential College Seminar in Historical Perspectives: Modern
<i>Select 15 credits from Category 3 (A&amp;L) or Category 4 (BS&amp;C) <sup>1</sup></i>		RCO 225	Residential College Seminar in Social and Behavioral Studies
<i>Select 3 credits (200 level or above) from Category 1 (S&amp;P) or Category 2 (E&amp;D)</i>			<i>Upper-Level Course Options</i>
* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.			African American Studies Courses:
** 6 credits chosen from the courses listed or approved equivalents.			ADS 306 Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
<sup>1</sup> Maximum of 9 credits in one category and no more than 6 credits in the other category. 9 credits must be upper level (300 level or above).			ADS 356 The Making of the African Diaspora
<b>Additional Courses Options</b>			Geography Courses:
The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the International and Global Affairs and Development concentration.			GES 301 Cities of the World
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>	GES 303 World Population Problems
<b>Category 1—Society and Politics (S&amp;P)</b>			
<i>200-Level Course Options</i>			
HIS 203	History of Africa to 1870		GES 315 The Geography of World Affairs
HIS 204	History of Africa since 1870		GES 333 Geography of Europe
HIS 208	Topics on the West and the Modern World		GES 338 Regions of Latin America
HIS 209	Topics in Modern World History		GES 340 Geography of East Asia
HIS 215	The Civilizations of Asia *		Health Courses, Public:
HIS 216	The Civilizations of Asia		HEA 307 Global Health
HIS 217	The World, 1900-1945		History Courses (300 level):
HIS 218	The World since 1945		HIS 341 Pirates of the Caribbean: The Real Story
HIS 223	The Making of Modern Europe		HIS 348 The World at War, 1914-1918
HIS 239	The First America: Latin America, 1492-1830		HIS 349 The World at War, 1939-1945
HIS 240	(Dis)order and Progress: Latin America since 1810		HIS 356 The Making of the African Diaspora
PCS 205	Violence in the Modern World		HIS 369 History of Spain
PSC 240	The International System		HIS 374 British History 1688-Present
PSC 250	Model United Nations		HIS 376 German History, 1914-1945
PSC 260	Introduction to Comparative Politics		HIS 377 Russian History to 1900
PSC 290	The Politics of the Non-Western World		HIS 378 Russian History since 1900
SOC 202	Social Problems in Global Context		HIS 381 The Near and Middle East since World War I
SOC 225	Race, Class, and Gender: Social Inequalities		HIS 389 West Africa during the Atlantic Slave Trade
<i>IGS Marker Required: **</i>			HIS 392 Nazi Germany & the Holocaust
HSS 202	Seminar in Historical Perspectives: Modern		History Courses (400 level):
HSS 208	Seminar in Social and Behavioral Studies		HIS 408 Latin America and Caribbean: Selected Topics
HSS 212	Seminar in Historical Perspectives: Modern		HIS 460 19th Cen Europe: Selectd Topics
HSS 218	Seminar in Social and Behavioral Studies		HIS 462 Twentieth-Century Europe: Selected Topics
HSS 222	Seminar in Historical Perspectives: Modern		HIS 464 Modern Britain: Selected Topics
HSS 228	Seminar in Social and Behavioral Studies		HIS 467 French History: Selctd Topics
RCO 202	Residential College Seminar in Historical Perspectives: Modern		HIS 471 Modrn Europ Thought:Selc Tpcs
RCO 205	Residential College Seminar in Social and Behavioral Studies		HIS 474 Modern Germany:Selected Topics
			HIS 475 Modern Russian History: Selected Topics
			HIS 481 African History: Selected Topics
			HIS 487 Southern African History
			HIS 488 East Asian History: Selected Topics
			Japanese Courses:
			JNS 306 Current Issues in Japan
			Peace and Conflict Studies Courses:
			PCS 305 Foundations of Peace and Conflict Studies
			PCS 311 Conflict Research
			PCS 405 Localizing Peace

PCS 406	Environmental Justice	CRS 221	Global Perspectives on Culture, the Body, and Dress
PCS 415	Global Peacebuilding	ECO 201	Principles of Microeconomics
PCS 418	Peacebuilding Challenges	ECO 202	Principles of Macroeconomics
Philosophy Courses:		HTM 231	Tourism, Cultures, and Places
PHI 338	Ethics and International Affairs	HTM 250	Diversity and Equity in Hospitality, Tourism and Esports
Political Science Courses:		<i>Upper-Level Course Options</i>	
PSC 341	International Law	BUS 342	International Entrepreneurship
PSC 344	Politics of Globalization	CRS 363	Global Sourcing of Apparel and Related Consumer Products
PSC 347	International Security	ECO 300	The International Economy
PSC 348	International Organization	ECO 367	Economic Growth and Development
PSC 350	Democratic Political Systems	FRE 341	Business French
PSC 352	Nationalism and Ethnic Politics	FRE 499	Community-Based Service Learning in Francophone Studies
PSC 354	Post-Conflict Politics	GES 301	Cities of the World
PSC 355D	Selected Topics in Comparative Politics: Politics of Industrial Societies	GES 303	World Population Problems
PSC 355J	Selected Topics in Comparative Politics: Middle East Politics	GES 306	World Economic Geography
PSC 355K	Selected Topics in Comparative Politics: Russian Politics	GES 315	The Geography of World Affairs
PSC 355M	Selected Topics in Comparative Politics: Political Economy	GES 320	Tourism Planning and Development
PSC 355N	Selected Topics in Comparative Politics: European Union	GES 333	Geography of Europe
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America	GES 338	Regions of Latin America
PSC 391	African Political Systems	GES 340	Geography of East Asia
PSC 392	The Politics of South Africa Through Film and Literature	HDF 390	Families and Children in Global Perspective
Sociology Courses:		HEA 307	Global Health
SOC 323	Deviance and Social Control	HEA 316	Environmental Health
SOC 342	Global Inequalities	MGT 301	Introduction to International Business
SOC 344	Global Society	MGT 302	International Business: Operations and Environments in Foreign Jurisdictions
SOC 346	Population Problems	MGT 304	Current Issues in International Business
SOC 371	Race, Ethnicity, and Migration in a Global Context	PCS 405	Localizing Peace
SOC 429	Collective Violence and Nonviolence in Global Perspective	PCS 406	Environmental Justice
<i>IGS Marker Required: **</i>		PCS 440	Social Entrepreneurship: Justice and a Green Environment
ADS 305	Special Topics in African American Studies	PSC 355M	Selected Topics in Comparative Politics: Political Economy
BLS 380	Selected Topics: Historical Perspectives	<i>IGS Marker Required: **</i>	
GES 404	Political Geography	ATY 420	Economic Anthropology
HEA 471	Immigrant and Refugee Health	GES 433	Regional Economic Development
HIS 320	History of Mexico and Central America	HEA 471	Immigrant and Refugee Health
HIS 380	Topics in the Near and Middle East	PSY 370	Ethnicity, Development, and Psychopathology
HIS 414	Topics in World History	PSY 433	Research Experience in Psychology
HIS 492	Honors Work: European History	RCS 464	Global Retail Strategy and Management
HIS 493	Honors Work: Wider World History	SWK 315	Social Work, Diversity, and Vulnerable Populations
PSC 300	Special Topics	TED 445	Human Diversity, Teaching, and Learning
PSC 401	Individual Study	<b>Category 3—Arts and Literature (A&amp;L)</b>	
PSC 410H	Global Challenges	<i>200-Level Course Options</i>	
SOC 328	Social Movements	CHI 210	Masterworks of Chinese Literature in Translation
SOC 377	Disaster, Self, and Society	CHI 220	Modern Chinese Literature and Culture
<b>Category 2—Economics and Development (E&amp;D)</b>		DCE 200	Dance Appreciation
<i>200-Level Course Options</i>		DCE 231	Global Dance Forms <sup>1</sup>
		DCE 232	African Dance II <sup>1</sup>

ENG 204	Nonwestern Literary Classics	FRE 353	The French Imaginary: Fiction and Culture
ENG 208	Topics in Global Literature	FRE 455	Topics in French and Francophone Literature and Film
ENG 209	Topics in Non-Western Literature	FRE 458	Topics in Francophone Lit
ENG 212	Major British Authors: Romantic to Modern	FRE 463	Studies in Film Genre
FRE 222	Explorations in French Literature: English Versions	German Courses:	
GER 217	German Texts That Changed the World I - Read in English	GER 305	German Literature: Advanced Intermediate Topics
GER 218	German Texts That Changed the World II - Read in English	GER 309	Topics in Central European Studies since 1918
GER 222	The Holocaust in Literature and Art	GER 405	Advanced Topics in German Literature
JNS 230	Women in Japanese Literature and Film	GER 422	German Memory in Fiction and Film
MUS 241	Music Appreciation	Humanities Courses:	
MUS 242	Music for Film	BLS 322	Revolutionary Lives
MUS 244	Music Cultures of the World	BLS 327	Contemporary Asian Literature
<i>IGS Marker Required: **</i>		Media Studies Courses:	
ENG 215	Literature and Film	MST 302	Introduction to Film History
HSS 205	Seminar in the Fine Arts	MST 327	Non-Western Film: Asian
HSS 207	Seminar in Literature	MST 420	History of Film to 1938
HSS 215	Seminar in the Fine Arts: Global Non-Western	MST 421	History of Film since 1938
HSS 217	Seminar in Literature	Music Courses:	
HSS 225	Seminar in the Fine Arts	MUS 333	History of Western Music III
HSS 227	Seminar in Literature	MUS 354	Modern Asia Through Its Music
MST 225	Film Appreciation	Russian Courses:	
RCO 204	Residential College Seminar in Literature and Rhetoric	RUS 306	Slavic Life and Letters: Topics
RCO 214	Residential College Seminar in Literature and Rhetoric	RUS 313	Major Authors in Russian Literature
RCO 224	Residential College Seminar in Literature and Rhetoric	RUS 314	Major Movements in Russian Literature and Culture
RCO 226	Residential College Seminar in Fine Arts	Spanish Courses:	
<i>Upper-Level Course Options</i>		SPA 351	Introduction to Literary Studies
African American Studies Courses:		SPA 407	Topics in Spanish Literature
ADS 376	Africana Literature	SPA 452	Seminar in Spanish Literature
Art History Courses:		SPA 462	Seminar in Film Genre
ARH 345	European Art in the Nineteenth Century	Theatre Courses:	
ARH 351	Architecture in the Twentieth Century	THR 401	Theatre History II
ARH 370	African Art: Ancient Empires to Colonial Contact	THR 402	Theatre History III
Chinese Courses:		THR 406	Global Performance and Theatre
CHI 313	Major Figures in Chinese Literature	<i>IGS Marker Required: **</i>	
Dance Courses:		ARH 352	Early Twentieth-Century Art
DCE 332	African Dance III ***	ARH 353	Late Twentieth-Century Art
English Courses:		ARH 411	Topics in the History of Art
ENG 315	Postcolonial Literatures	BLS 320	Selected Topics: Literature
ENG 316	Studies in Human Rights and Literature	BLS 323	Short Reads
ENG 344	The Romantic Period	BLS 325	Mystery, Mayhem, and Murder
ENG 345	The Victorian Period	BLS 326	Telling Stories: The Memoir
ENG 346	British Literature from Victorian to Modern	BLS 348	Representing Women
ENG 348	Contemporary British Literature and Culture	BLS 386	Women, War, and Terror
ENG 350	The Twentieth-Century British and Irish Novel	ENG 331	Women in Literature
ENG 445	19th Century British Writers	ENG 347	Topics in Post-1800 Literature
ENG 452	Modern English Writers	ENG 353	The Contemporary American Novel
ENG 459	Twentieth Cent British Poetry	ENG 358	Modern Poetry
French Courses:		ENG 359	Contemporary Poetry
		ENG 453	Topics in English Studies
		ENG 482	Modern Drama

FRE 450	Tpcs French Literary Movements	<i>Upper-Level Course Options</i>
FRE 451	Topics in French Prose Fiction	African American Studies Courses:
FRE 456	Topics in French Theatre	ADS 306 Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
FRE 457	Advanced Topics in French Literature	Anthropology Courses:
FRE 459	Topics in French Poetry	ATY 315 World Ethnographies
MUS 431	Selected Topics in Ethnomusicology	ATY 333 Latin American Societies and Cultures
MUS 485	Music of the Nineteenth Century	ATY 334 Latin American Art and Archaeology
MUS 486	Music of the Twentieth Century	ATY 385 Language and Culture
PHI 322	Philosophy of the Arts	ATY 426 Food and Culture in a Global Context
SPA 406	Topics in Latin American Literature	ATY 434 Archaeology of South America
SPA 454	Seminar in Latin American Literature	ATY 447 Myth, Magic, and Religion
<b>Category 4—Belief Systems and Cultures (BS&amp;C)</b>		Chinese Courses:
<i>200-Level Course Options</i>		CHI 305 Topics in Chinese Culture
ATY 235	Cultures of Africa	Communication Studies Courses:
CHI 220	Modern Chinese Literature and Culture	CST 337 Intercultural Communication
CRS 221	Global Perspectives on Culture, the Body, and Dress	French Courses:
FRE 232	Images of France and the Francophone World	FRE 332 Contemporary French Culture
HTM 231	Tourism, Cultures, and Places	German Courses:
HTM 250	Diversity and Equity in Hospitality, Tourism and Esports	GER 309 Topics in Central European Studies since 1918
IGS 295	Study Abroad for Global Engagement: Pre-Departure	GER 310 German Culture: Advanced Intermediate-Topics in German Film
IGS 296	Study Abroad for Global Engagement: Field Experience	GER 406 Advanced Topics in German Culture
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications	GER 422 German Memory in Fiction and Film
JNS 220	Modern Japan	Humanities Courses:
MUS 244	Music Cultures of the World	BLS 381 Old Europe/New Europe
PHI 267	Existentialism	BLS 386 Women, War, and Terror
REL 201	The Bible in Western Culture	Japanese Studies Courses:
REL 215	Judaism	JNS 306 Current Issues in Japan
REL 217	The Synagogue	Music Courses:
REL 221	Buddhism	MUS 354 Modern Asia Through Its Music
REL 223	Hinduism	Nursing Courses:
REL 225	Islam	NUR 390 Culture and Health Care
REL 226	Approaches to the Qur'an	Peace and Conflict Studies Courses:
REL 240	Modern Judaism	PCS 309 Conflict and Culture
REL 248	Comparative Religious Ethics	Philosophy Courses:
REL 250	Religious Traditions and Care of the Earth	PHI 338 Ethics and International Affairs
REL 251	Topics in Religious Social Ethics	PHI 342 History of Modern Philosophy
<i>IGS Marker Required: **</i>		PHI 348 Existentialism, Phenomenology, and Structuralism
HSS 206	Seminar in Philosophical/Religious/Ethical Principles	Religious Studies Courses:
HSS 216	Seminar in Philosophical/Religious/Ethical Principles	REL 312 Judaism and the Construction of Gender
HSS 226	Seminar in Philosophical/Religious/Ethical Principles	REL 340 Modern Jewish Thinkers
RCO 203	Residential College Seminar in Philosophical/Religious/Ethical Principles	REL 368 Religion in South Asia: Selected Topics
RCO 213	Residential College Seminar in Philosophical/Religious/Ethical Principles	Spanish Courses:
RCO 223	Residential College Seminar in Philosophical/Religious/Ethical Principles	SPA 311 Views of the Hispanic World Through Intermediate Conversation
		SPA 332 Foundations in Spanish Cultures, Literatures and Films
		SPA 334 Foundations in Latin American Cultures, Literatures and Films
		SPA 432 Seminar in Spanish Cultures, Literatures and Films
		SPA 436 Seminar in Latin American Cultures, Literatures and Films

**IGS Marker Required: \*\***

ADS 305	Special Topics in African American Studies
ATY 311	Reading Culture and Society
ATY 403	Selected Topics in Anthropology
ATY 450	Environmental Anthropology
BLS 360	Selected Topics: Philosophy/Religion/Ethics
BLS 383	Religious Resistance to Political Power
CST 460	Special Topics in Communication Research
PHI 331	Social and Political Philosophy
SPA 435	Seminar in U.S. Latino/Latina Cultural Studies
WGS 333	Postcolonial and Transnational Feminisms
WGS 450	Topics Seminar in Women's, Gender and Sexuality Studies

Select 3 credits (200 level and above) from courses identified in the Additional Courses Options for any concentration. May use the Additional Courses Options for any International and Global Studies concentration.

\* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* 6 credits chosen from the courses as listed or approved electives.

<sup>1</sup> No more than 9 credits may come from any single category. Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.

**Additional Courses Options**

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the International and Global Human Rights concentration.

Code	Title	Credit Hours
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**Category 1—Society and Politics (S&P)***200-Level Course Options*

ADS 201	Introduction to African American Studies
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives
HIS 203	History of Africa to 1870
HIS 204	History of Africa since 1870
HIS 218	The World since 1945
PCS 112	Introduction to Peace and Conflict Studies
PCS 205	Violence in the Modern World

PSC 240	The International System
PSC 290	The Politics of the Non-Western World
SOC 202	Social Problems in Global Context
SOC 225	Race, Class, and Gender: Social Inequalities

*Upper-Level Course Options*

## African American Studies Courses:

ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
ADS 356	The Making of the African Diaspora

## Communication Studies Courses:

CST 406	Speaking Out for Community Change
CST 440	Reclaiming Democracy: Dialogue, Decision-Making, Community Action

## Public Health Courses:

BUS 440	Social Entrepreneurship: Justice and a Green Environment
HEA/ENT 307	Global Health
HEA 471	Immigrant and Refugee Health

## History Courses:

HIS 301	Race and Slavery
HIS 302	Race and Segregation
HIS 332	Civil Rights and Black Freedom, 1940-1980
HIS 376	German History, 1914-1945
HIS 381	The Near and Middle East since World War I
HIS 389	West Africa during the Atlantic Slave Trade
HIS 392	Nazi Germany & the Holocaust

\* Exceptions to the 51 Percent Modern Requirement.

\*\* The following courses apply only when carrying the IGS marker in the Schedule of Courses for the term taken.

<sup>1</sup> The courses listed must be taken three times to qualify.

**International and Global Human Rights Concentration Requirements**

Administered by the International and Global Studies Program (<https://catalog.uncg.edu/arts-sciences/international-global-studies/#text>).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
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**Foreign Language Requirements**

Select 6 credits of a modern foreign language at the 300 level or higher from the following:

Chinese
French
German
Italian *
Japanese
Portuguese *
Russian
Spanish

**Core Courses \*\*** **6**

IGS 200	Introduction to International and Global Studies
IGS 400	Capstone Seminar in International and Global Studies

**Additional Courses <sup>1</sup>**

Select 15 credits from courses identified in the Additional Courses Options for the IGHR concentration. Must use the Additional Course Options for this concentration. 9 credits must be upper level (300 level or above). No more than 3 credits may focus on human rights in the U.S.

HIS 474	Modern Germany: Selected Topics	ENG 316	Studies in Human Rights and Literature
HIS 475	Modern Russian History: Selected Topics	FRE 455	Topics in French and Francophone Literature and Film
HIS 481	African History: Selected Topics	FRE 458	Topics in Francophone Lit
HIS 487	Southern African History		
<b>Management Courses:</b>		<b>Category 4—Belief Systems and Culture (BS&amp;C)</b>	
MGT 475	Employment and Human Resource Law	<i>200-Level Course Options</i>	
<b>Philosophy Courses:</b>		PHI 261	Ethical Issues in Business
PHI 331	Social and Political Philosophy	REL 248	Comparative Religious Ethics
PHI 335	Philosophy of Law	REL 251	Topics in Religious Social Ethics
PHI 338	Ethics and International Affairs	<i>Upper-Level Course Options</i>	
<b>Political Science Courses:</b>		ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas
PSC 320	Civil Liberties	ADS 356	The Making of the African Diaspora
PSC 341	International Law	ATY 450	Environmental Anthropology
PSC 352	Nationalism and Ethnic Politics	BLS 383	Religious Resistance to Political Power
PSC 354	Post-Conflict Politics	BLS 386	Women, War, and Terror
PSC 391	African Political Systems	CSC 312	Ethics in Computer Science
PSC 392	The Politics of South Africa Through Film and Literature	CST 344	Conflict Communication
PSC 410K	Topics in Public Policy: Ethics in Public Policy	CST 406	Speaking Out for Community Change
<b>Specialized Education Services Courses:</b>		CST 460	Special Topics in Communication Research
SES 400	Perspectives on the Global Deaf Community	PHI 331	Social and Political Philosophy
<b>Sociology Courses:</b>		PHI 335	Philosophy of Law
SOC 317	Criminal Justice	PHI 338	Ethics and International Affairs
SOC 323	Deviance and Social Control	<i>IGS Marker Required: *</i>	
SOC 327	Race and Ethnic Relations	WGS 333	Postcolonial and Transnational Feminisms
SOC 328	Social Movements	WGS 450	Topics Seminar in Women's, Gender and Sexuality Studies
SOC 342	Global Inequalities		
SOC 344	Global Society		
SOC 371	Race, Ethnicity, and Migration in a Global Context		
SOC 426	Comparative Minority Relations		
SOC 429	Collective Violence and Nonviolence in Global Perspective		
<i>IGS Marker Required: *</i>		<i>* The following courses apply only when carrying the IGS marker in the Schedule of Courses for the term taken.</i>	
SOC 377	Disaster, Self, and Society	<b>Latin American and Caribbean Studies Concentration Requirements</b>	
<b>Category 2—Economics and Development (E&amp;D)</b>			
<i>200-Level Course Options</i>		Administered by the International and Global Studies Program ( <a href="https://catalog.uncg.edu/arts-sciences/international-global-studies/#text">https://catalog.uncg.edu/arts-sciences/international-global-studies/#text</a> ).	
PHI 261	Ethical Issues in Business	• 30 credits at the 200 level and above.	
<i>Upper-Level Course Options</i>		• To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.	
BUS 440	Social Entrepreneurship: Justice and a Green Environment	• No requirements for the major can be met by a grade lower than C-.	
CST 406	Speaking Out for Community Change		
ECO 370	Labor Economics		
HEA 307	Global Health		
HEA 471	Immigrant and Refugee Health		
MGT 475	Employment and Human Resource Law		
<b>Category 3—Arts and Literature (A&amp;L)</b>			
<i>200-Level Course Options</i>		<b>Code</b>	
ENG 209	Topics in Non-Western Literature	<b>Title</b>	
GER 222	The Holocaust in Literature and Art	<b>Credit Hours</b>	
<i>Upper-Level Course Options</i>			
BLS 322	Revolutionary Lives	<b>Foreign Language Requirements</b>	
BLS 386	Women, War, and Terror	Select 6 credits of a modern foreign language at the 300 level or higher from the following:	
ENG 315	Postcolonial Literatures	Chinese	
		French	
		German	
		Italian *	
		Japanese	
		Portuguese *	
		Russian	
		Spanish	
		<b>Core Courses **</b>	

IGS 200	Introduction to International and Global Studies
IGS 400	Capstone Seminar in International and Global Studies

**Additional Courses***Select 18 credits of additional courses<sup>1</sup>*

- \* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.
- \*\* 6 credits chosen from the courses as listed or approved equivalents.
- <sup>1</sup>
  - Must include a minimum of 9 credits at the upper level (300 level or above).
  - No more than 9 credits may come from any single category.
  - Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.
  - Must include 12–18 credits from courses identified in the Additional Courses Options for the LACS concentration. Must use the Additional Course Options for this concentration.
  - Must include 6–9 credits at the upper level (300 level or above).
  - May include 0–6 credits 200-level and above courses from courses identified in the Additional Courses Options for any concentration.
  - May use the Additional Courses Options for any International and Global Studies concentration.
  - Must include 0–3 credits at the upper level (300 level or above).

**Additional Courses Options**

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the Latin American and Caribbean Studies concentration.

Code	Title	Credit Hours
<b>Category 1—Society and Politics (S&amp;P)</b>		
<i>200-Level Course Options</i>		
HIS 240	(Dis)order and Progress: Latin America since 1810	
HIS 239	The First America: Latin America, 1492–1830 *	
HIS 240	(Dis)order and Progress: Latin America since 1810 *	
<i>Upper-Level Course Options</i>		
ADS 306	Special Topics in the African Diaspora: Africa, the Indian Ocean, and the Americas	
ADS 356	The Making of the African Diaspora	
GES 338	Regions of Latin America	
HIS 320	History of Mexico and Central America	
HIS 408	Latin America and Caribbean: Selected Topics	
PSC 350	Democratic Political Systems	
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America	
HIS 341	Pirates of the Caribbean: The Real Story *	
<b>Category 2—Economics and Development (E&amp;D)</b>		
<i>200-Level Course Options</i>		
None available.		
<i>Upper-Level Course Options</i>		
GES 338	Regions of Latin America	
ATY 426	Food and Culture in a Global Context	

**Category 3—Arts and Literature (A&L)****200-Level Course Options**

None available.

**Upper-Level Course Options**

SPA 406 Topics in Latin American Literature

SPA 454 Seminar in Latin American Literature

**Category 4—Belief Systems and Cultures (BS&C)****200-Level Course Options**

IGS 295 Study Abroad for Global Engagement: Pre-Departure

IGS 296 Study Abroad for Global Engagement: Field Experience

IGS 297 Study Abroad for Global Engagement: Re-Entry Reflections and Applications

**Upper-Level Course Options**

ATY 333 Latin American Societies and Cultures

SPA 334 Foundations in Latin American Cultures, Literatures and Films

SPA 436 Seminar in Latin American Cultures, Literatures and Films

SPA 435 Seminar in U.S. Latino/Latina Cultural Studies

ATY 334 Latin American Art and Archaeology \*

ATY 434 Archaeology of South America \*

\* Exceptions to the 51 Percent Modern Requirement.

**Professional Studies Concentration Requirements**

Administered by the Bachelor of Arts in Liberal Studies Program (<https://catalog.uncg.edu/arts-sciences/bachelor-of-arts-in-liberal-studies/>).

- Minimum of 30 credits as listed below.

Code	Title	Credit Hours
<b>Core Requirements</b>		
9		
PHI 261	Ethical Issues in Business	
ENG 327	Writing for Professionals and Entrepreneurs	
or IPS 307	Writing in Professional Contexts	
CST 341	Communication and Workplace Relationships	
<b>Distribution Requirements</b>		
<b>Humanities</b>		
3		
Select one of the following:		
BLS 321	Narrative Ethics: Literary Texts and Moral Issues in Medicine	
BLS 363	Ethics and Technology	
BLS 385	American Motherhood	
<b>Social Sciences</b>		
3		
Select one of the following:		
CST 315	Persuasion and Social Influence	
PSY 444	Changing Behavior in Real World Settings	
SOC 327	Race and Ethnic Relations	
<b>Area Emphasis</b>		
12		
Select four courses in consultation with your advisor *		
<b>Capstone Seminar</b>		
3		

BLS 400 Senior Seminar in the Humanities  
or SSC 400 Senior Seminar in the Social Sciences

- \* The area of emphasis can focus on a variety of topics or be customized to the student's professional aspirations. Courses may come from the Bachelor of Arts in Liberal Studies Humanities and/or Social Sciences Concentrations, other university courses, and approved transfer courses.

### Russian Studies Concentration Requirements

Administered by the International and Global Studies Program (<https://catalog.uncg.edu/arts-sciences/international-global-studies/#text>).

- 30 credits at the 200 level and above.
- To complete a second major, at least 12 credits must be taken outside the major in which the first major is obtained.
- No requirements for the major can be met by a grade lower than C-.

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
Select 6 credits of a modern foreign language at the 300 level or higher from the following:		
Chinese		
French		
German		
Italian *		
Japanese		
Portuguese *		
Russian		
Spanish		
<b>Core Courses **</b>		<b>6</b>
IGS 200	Introduction to International and Global Studies	
IGS 400	Capstone Seminar in International and Global Studies	

### Additional Courses

Select 18 credits of additional courses <sup>1</sup>

- \* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.
- \*\* 6 credits chosen from the courses as listed or approved equivalents.
- 1
  - Must include a minimum of 9 credits at the upper level (300 level or above).
  - No more than 9 credits may come from any single category.
  - Once 9 credits are selected from any single category, no more than 6 credits may be taken in each of the remaining categories.
  - Must include 12-18 credits from courses identified in the Additional Courses Options for the LACS concentration. Must use the Additional Course Options for this concentration.
  - Must include 6-9 credits at the upper level (300 level or above).
  - May include 0-6 credits 200-level and above courses from courses identified in the Additional Courses Options for any concentration.
  - May use the Additional Courses Options for any International and Global Studies concentration.
  - Must include 0-3 credits at the upper level (300 level or above).

### Additional Courses Options

The following courses are identified as options toward fulfilling the Additional Courses requirement (IV.C.) for the Russian Studies concentration.

Code	Title	Credit Hours
<b>Category 1—Society and Politics (S&amp;P)</b>		
<i>200-Level Course Options</i>		
	None available.	
<i>Upper-Level Course Options</i>		
HIS 377	Russian History to 1900	
HIS 378	Russian History since 1900	
HIS 575	Modern Russian History: Selected Topics	
PSC 352	Nationalism and Ethnic Politics	
PSC 355K	Selected Topics in Comparative Politics: Russian Politics	
<b>Category 2—Economics and Development (E&amp;D)</b>		
<i>200-Level Course Options</i>		
	None available.	
<i>Upper-Level Course Options</i>		
	None available.	
<b>Category 3—Arts and Literature (A&amp;L)</b>		
<i>200-Level Course Options</i>		
MUS 242	Music for Film	
<i>Upper-Level Course Options</i>		
BLS 322	Revolutionary Lives	
RUS 306	Slavic Life and Letters: Topics	
RUS 313	Major Authors in Russian Literature	
RUS 314	Major Movements in Russian Literature and Culture	
<b>Category 4—Belief Systems and Cultures (BS&amp;C)</b>		
<i>200-Level Course Options</i>		
IGS 295	Study Abroad for Global Engagement: Pre-Departure	
IGS 296	Study Abroad for Global Engagement: Field Experience	
IGS 297	Study Abroad for Global Engagement: Re-Entry Reflections and Applications	
<i>Upper-Level Course Options</i>		
REL 303	Christianity in Byzantium *	
* Exception to the 51 Percent Modern Requirement		
<b>Social Sciences Concentration Requirements</b>		
Administered by the Bachelor of Arts in Liberal Studies Program ( <a href="https://catalog.uncg.edu/arts-sciences/bachelor-of-arts-in-liberal-studies/">https://catalog.uncg.edu/arts-sciences/bachelor-of-arts-in-liberal-studies/</a> ).		
Minimum of 30 credits as listed below.		
Code	Title	Credit Hours
<b>Core Courses and Intermediate Seminar</b>		
SSC 300	Doing Social Sciences (to be completed as early in the major as feasible)	9

		<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
SSC 301	Contemporary Issues in the Social Sciences (to be completed as early in the major as feasible)			
SSC 350	Inequality in a Changing World (to be completed at the approximate midpoint of the major)			3
<b>Distribution Requirement</b>	9			
Select three courses from the list in the Area of Emphasis section, each from a different department				
<b>Area of Emphasis</b>	9			
Select at least three additional courses in one of the departments of the following: <sup>*</sup>				
<i>Anthropology</i>				
ATY courses at the 200 level or above				
<i>Communication Studies</i>				
CST courses at the 200 level or above				
<i>Economics</i>				
ECO courses at the 200 level or above				
<i>Geography, Environment, and Sustainability</i>				
GES courses at the 200 level or above <sup>**</sup>				
<i>Political Science</i>				
PSC courses at the 200 level or above				
<i>Psychology</i>				
PSY courses at the 200 level or above				
<i>Sociology</i>				
SOC courses at the 200 level or above				
<b>Capstone Seminar</b>	3			
SSC 400 Senior Seminar in the Social Sciences <sup>1</sup>				

\* Area of Emphasis cannot be in the same discipline as an additional or previously completed major.

\*\* Excluding the Earth Science courses listed below:

- GES 319 Weather and Climate
- GES 312 Geomorphology of North America
- GES 314 Physical Geography: Landscape Processes
- GES 330 Elements of Hydrology
- GES 359 Remote Sensing of Environment
- GES 418 Biogeography
- GES 419 Advanced Weather and Climate-Synoptic Climatology
- GES 459 Advanced Remote Sensing-Imaging
- GES 450 Applied Physical Geography

<sup>1</sup> To be completed in the final semester of the major.

## Disciplinary Honors in Archaeology

Administered by the Archaeology Program (p. 413).

This Disciplinary Honors program is available for students in the Archaeology concentration of the Liberal and Interdisciplinary Studies B.A.

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

<b>Required</b>	3
HSS 490 Senior Honors Project	
<b>6 credits of Honors course work in the major</b>	6
<b>3 credits of Honors course work in the major or another area</b>	3

### Recognition

Receive a Certificate of Disciplinary Honors in Archaeology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Maura Heyn at [mkhey@uncg.edu](mailto:mkhey@uncg.edu) for further information and guidance about Honors in Archaeology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Disciplinary Honors in International and Global Studies

Administered by the International and Global Studies Program (p. 413).

This Disciplinary Honors program is available for students in the following concentrations of the Liberal and Interdisciplinary Studies B.A.:

- Asian Studies
- International and Global Affairs and Development
- International and Global Arts and Belief Systems
- International and Global Human Rights
- Latin American and Caribbean Studies

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
<b>Required</b>	3	
HSS 490 Senior Honors Project		
<b>6 credits of Honors course work in the major</b>	6	
<b>3 credits of Honors course work in the major or another area</b>	3	

### Recognition

Receive a Certificate of Disciplinary Honors in International and Global Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Kathleen MacFie at [k\\_ahern@uncg.edu](mailto:k_ahern@uncg.edu) for further information and guidance about Honors in International and Global Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Disciplinary Honors in Russian Studies

Administered by the International and Global Studies Program (p. 413).

This Disciplinary Honors program is available for students in the Russian Studies concentration of the Liberal and Interdisciplinary Studies B.A.

**Requirements**

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
RUS 491	Tutorial	4-6
or RUS 492	Tutorial	
HSS 490	Senior Honors Project	
<b>3-6 credits of Russian contract courses *</b>		<b>3-6</b>

\* Must be 200-level or above

**Recognition**

Receive a Certificate of Disciplinary Honors in Russian Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

Contact Kathleen MacFie at [k\\_ahern@uncg.edu](mailto:k_ahern@uncg.edu) for further information and guidance about Honors in Russian Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

# Professional Studies Online, B.S.

## Overall Requirements

- 120 credit hours, to include at least 36 credits of courses at the 300 course level or above.
- Students must earn grades of C (2.0) or better in all major and related area required courses.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

- Total credit hours in the major is 30 hours including the following: 18 hours of core courses; 9 hours from an Area of Focus (AOF) including a self-designed AOF\*, and 3 hours of Capstone.

Code	Title	Credit Hours
<b>Core Courses</b>		
IPS 300	Design and Systems Thinking	18
IPS 303	Understanding Data	
IPS 304	Contemporary Media Literacies	
IPS 305	Global Awareness and Intercultural Competence	
ENG 327 or IPS 307	Writing for Professionals and Entrepreneurs Writing in Professional Contexts	
IPS 406	Integrative Thinking	

**Required Capstone**

IPS 410 Capstone

3

## Areas of Focus\*

- 9 hours selected from an Area of Focus (AOF)

### Health and Wellness Occupations

Code	Title	Credit Hours
CST 341	Communication and Workplace Relationships	
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 304	Sustainable Transport and Mobility	
GES 306	World Economic Geography	
HEA 113	Medical Terminology for Public Health Professionals	
HHS 275	Entrepreneurial Personal Branding	
IPS 401	Selected Topics in Health and Wellness Occupations	
IPS 405	Selected Topics in Other Occupations	
IPS 407	Ethical Leadership	
IPS 408	Applied Project Management	
IPS 409	Working in Virtual Teams	
NUR 390	Culture and Health Care	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 415	Global Peacebuilding	
PHI 220	Medical Ethics	

### Service Occupations

Code	Title	Credit Hours
CST 341	Communication and Workplace Relationships	
CTR 451		
GES 301	Cities of the World	
GES 302	Urban Geography: Sustainable Land Use	
GES 304	Sustainable Transport and Mobility	
GES 306	World Economic Geography	
HHS 275	Entrepreneurial Personal Branding	
IPS 403	Selected Topics in Service Occupations	
IPS 405	Selected Topics in Other Occupations	
PHI 261	Ethical Issues in Business	
IPS 407	Ethical Leadership	
IPS 408	Applied Project Management	
IPS 409	Working in Virtual Teams	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 415	Global Peacebuilding	
PSC 440	Nonprofit Management and Leadership	

### Arts, Entertainment and Media Occupations

Code	Title	Credit Hours
BLS 346	The Art of Life	
CST 341	Communication and Workplace Relationships	

DCE 455	Arts and Entrepreneurship: Career Strategies for Artists
GES 301	Cities of the World
GES 302	Urban Geography: Sustainable Land Use
GES 304	Sustainable Transport and Mobility
GES 306	World Economic Geography
HHS 275	Entrepreneurial Personal Branding
IPS 404	Selected Topics in Arts, Entertainment, and Media Occupations
IPS 405	Selected Topics in Other Occupations
IPS 407	Ethical Leadership
IPS 408	Applied Project Management
IPS 409	Working in Virtual Teams
PHI 261	Ethical Issues in Business
PCS 309	Conflict and Culture
PCS 415	Global Peacebuilding
PSC 440	Nonprofit Management and Leadership

\* Students select 9 credits as listed or other approved course chosen in consultation with advisor (any course prefix, including IPS). The area of interest can be customized to the student's professional aspirations.

## Electives

Electives sufficient to complete 120 total credit hours required for the degree, to include 36 credits at or above the 300 course level.

## African Studies Undergraduate Minor Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
Select 6 credits of a modern foreign language at the 300 level or higher *		
Core Course		3

IGS 200 Introduction to International and Global Studies \*\*

Select 9 credits of additional courses <sup>1</sup>

\* Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* The course listed or an approved equivalent.

<sup>1</sup> At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (<https://catalog.uncg.edu/arts-sciences/special-programs-liberal-studies-major/#requirementstext>), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

## Archaeology Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

The Archaeology Undergraduate Minor requires completion of a minimum of 15 credits with 9 credits chosen from the Core Requirements and 3 credits chosen from each category of the Area Requirements.

Code	Title	Credit Hours
<b>Core Requirement</b>		
Three courses chosen from the following:		
ATY 158	Adventures in Time-Travel through Archaeology	
ATY 360	Methods in Archaeology	
CCI 211	Introduction to Greek Archaeology	
CCI 212	Introduction to Roman Archaeology	
GES 121	Introduction to Geographic Information Science	
<b>Area Requirements</b>		
<i>Old World Archaeology</i>		
Select one of the following:		
ATY 341	Paleolithic Archaeology	
CCI 312	The Art and Archaeology of Egypt	
CCI 313	Archaeology of the Aegean	
CCI 314	Ancient Cities	
HIS 380	Topics in the Near and Middle East	
<i>New World Archaeology</i>		
Select one of the following:		
ATY 334	Latin American Art and Archaeology	
ATY 370	Historical Archaeology of the Modern World	
ATY 434	Archaeology of South America	
ATY 440	Colliding Worlds: Forming America	
ATY 462	Archaeology of the Southeastern United States	

## Asian Studies Undergraduate Minor Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
Select 6 credits of Chinese or Japanese language classes at the 300 level or higher *		
Core Course		3

IGS 200 Introduction to International and Global Studies \*\*

Select 9 credits of additional courses <sup>1</sup>

\* Other languages subject to permission of the Director.

\*\* The course listed or an approved equivalent.

<sup>1</sup> At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (<https://catalog.uncg.edu/arts-sciences/special-programs-liberal-studies-major/#requirementstext>),

*with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.*

## European Studies Undergraduate Minor

### Program Requirements

- 18 credit hours at the 200 level and above.

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
	<i>Select 6 credits of French, German, Portuguese, or Spanish language courses at the 300 level or higher *</i>	6

#### Core Course

IGS 200	Introduction to International and Global Studies **
<i>Select 9 credits of additional courses <sup>1</sup></i>	

\* Other languages subject to permission of the Director. Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* The course listed or an approved equivalent.

<sup>1</sup> At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (<https://catalog.uncg.edu/arts-sciences/special-programs-liberal-studies-major/#requirementstext>), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

## International and Global Studies Undergraduate Minor

### Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
	<i>Select 6 credits of a modern foreign language at the 300 level or higher *</i>	6

#### Core Course

IGS 200	Introduction to International and Global Studies **
<i>Select 9 credits of additional courses <sup>1</sup></i>	

\* Other languages subject to permission of the Director. Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* The course listed or an approved equivalent.

<sup>1</sup> At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Liberal and Interdisciplinary Studies Major (<https://catalog.uncg.edu/arts-sciences/liberal-and-interdisciplinary-studies-ba/>), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

*credits from any one category and all courses appropriate to the student's concentration area.*

## Latin American and Caribbean Studies Undergraduate Minor

### Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
	<i>Select 6 credits of French, Portuguese, or Spanish language courses at the 300 level or higher *</i>	6

#### Core Course

IGS 200	Introduction to International and Global Studies **
<i>Select 9 credits of additional courses <sup>1</sup></i>	

\* Other languages subject to permission of the Director. Note that Italian and Portuguese are not currently available at the upper levels at UNC Greensboro.

\*\* The course listed or an approved equivalent.

<sup>1</sup> At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Special Programs in Liberal Studies Major (<https://catalog.uncg.edu/arts-sciences/special-programs-liberal-studies-major/#requirementstext>), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

## Russian Studies Undergraduate Minor

### Program Requirements

- 18 credit hours at the 200 level and above

Code	Title	Credit Hours
<b>Foreign Language Requirements</b>		
	<i>Select 6 credits Russian language courses at the 300 level or higher *</i>	6

#### Core Course

IGS 200	Introduction to International and Global Studies **
<i>Select 9 credits of additional courses <sup>1</sup></i>	

\* Other languages subject to permission of the Director.

\*\* The course listed or an approved equivalent.

<sup>1</sup> At least 6 credit hours at the 300 level or above. Selected from the Additional Course Options categories listed under Major Requirements of the International and Global Studies concentration of the Liberal and Interdisciplinary Studies Major (<https://catalog.uncg.edu/arts-sciences/liberal-and-interdisciplinary-studies-ba/>), with no more than 6 credits from any one category and all courses appropriate to the student's concentration area.

# Liberal and Interdisciplinary Studies, M.A.

1100 West Market St., Rm. 308  
336-315-7792

**Muktha Jost, Executive Director, Liberal and Professional Studies**  
**Paige Turner, Program Advisor**

The M.A. in Liberal and Interdisciplinary Studies program provides students and working professionals a unique mix of knowledge, tools, and experience that are relevant to the current world and its complexity. Program readings and assignments encourage students to think creatively, question assumptions, and imagine solutions to real-world problems thus creating a pathway to transformative thinking.

## Transformative Thinking

Students bring their unique skills, knowledge and values to the program and work towards connecting the dots between big ideas, historic movements, and global events. The program helps students gain mastery in the following five attributes to become a transformative thinker and doer:

1. Intellectual curiosity (develop the desire to dig deep, be creative, experiment, and take risks in order to learn);
2. Integrative thinking (see the big picture, think holistically, recognize patterns, and make imaginative leaps based on those patterns);
3. Intercultural competence (understand cultural differences to help one think, act, and move beyond global, cultural, and organizational boundaries);
4. Adaptability (be flexible, agile when handling change, resilient in ambiguous situations, and able to find unexpected solutions); and
5. Empathy (demonstrate effective listening, collaboration, and communication skills and be humble enough to be inclusive and considerate of the views of others).

## Program Format

All M.A. in Liberal and Interdisciplinary Studies courses (10) are seven weeks long, asynchronous (no set class times), and offered online. There will be set due dates for assignments and projects, but otherwise the program offers the flexibility for students to pursue their degree without synchronous class meetings. At the same time, instructors use a variety of tools to personalize the online classroom.

The Capstone course follows four core courses and five electives and provides the opportunity to students to synthesize and apply their learning to a project of their choosing, such as a current challenge in their workplace or community.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a three-to four-page essay describing their academic background and interest in liberal and interdisciplinary studies and the program.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Core Courses (12 credits)</b>		
<i>Humanities Topics Course (3 credits)</i>		
MAS 610	Culture and Ideas *	3
<i>Social Sciences Topics Course (3 credits)</i>		
MAS 620	Human Nature and Society *	3
<i>Scientific Reasoning Topics Courses (6 credits)</i>		
MAS 630	Scientific Reasoning *	3
Select one course (3 credits) from the following:		
MAS 631	Understanding Data	
MAS 633	Science, Environment, and the Media	
BIO 648	Current Topics in Biology	
GES 632	Geography of Livable Cities	
GES 688	Topics in Environmental Sciences	
<b>Elective Courses (15 credits)</b>		
Select 15 credits of elective courses from the following: **		
MAS 611	Design Thinking	
MAS 612	The Contemporary World	
MAS 613	Literature of Migration	
MAS 621	Systems Thinking	
MAS 622	Global Trade	
MAS 623	Global Human Rights	
MAS 624	Dignity, Identity, and Power	
<b>Capstone Experience (3 credits)</b>		
MAS 695	Applied Capstone Experience	3
<b>Total Credit Hours</b>		
		30

\* Select one Humanities topics course from MAS 610 offerings, one Social Sciences topics course from MAS 620 offerings, and one Scientific Reasoning topics course from MAS 630 offerings.

\*\* Students may also select 12 credits of electives from 600-level courses outside of MAS.

## eLearning, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in eLearning is a response to the need to engage new media and technology in almost every context of learning and work. Students can expect to build on existing knowledge to develop in-demand skills to enhance student learning and advance careers.

### Applied Knowledge

The courses in the certificate focus on connecting the student's self-selected discipline and its curriculum to applied and practical professional expertise through specific pedagogy and emerging practices. Course assignments engage students in identifying workforce needs and gaps in their discipline and to create effective instructional elearning modules for their own learners. All aspects of elearning including instructional design, marketing, and administration of programs at all levels are addressed. Courses prepare students to teach in an online classroom setting using instructional theory and principles, course design, implementation of pedagogy and androgogy (teaching adult learners), as well as engaging data, information, and insights related to course content, learners and the instructor.

**Program Format**

All elearning courses are seven weeks long, and offered online. Also, there are no set class times. There will be set due dates for assignments and projects, but otherwise offers the flexibility for students to pursue their degree without synchronous class meetings. At the same time, instructors use a variety of tools to personalize the online classroom.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement elaborating how the certificate will further their personal and professional goals.

**Certificate Program Requirements**

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
MAS 642	Foundations of the eLearning Classroom	3
MAS 643	Elements of eLearning Course Development	3
MAS 644	Designing and Developing for Blended eLearning Environments	3
MAS 645	Living the Online Course	3
<b>Total Credit Hours</b>		<b>12</b>

**Global Studies, Post-Baccalaureate Certificate**

The online Post-Baccalaureate Certificate in Global Studies seeks to instill in students a solid knowledge of particular cultures, while also providing training in the analysis of global trends. Students will learn how to make connections between their knowledge of a particular part of the world and the larger trends and issues that affect all societies. 15 credit hours must be successfully completed during a three-year period to earn the certificate.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement elaborating how the certificate will further their personal and professional goals.

**Certificate Program Requirements**

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
MAS 612	The Contemporary World	3
MAS 622	Global Trade	3
Select one course (3 credits) from the following:		
MAS 630	Scientific Reasoning	
MAS 631	Understanding Data	
MAS 632	Integrative Thinking	
MAS 633	Science, Environment, and the Media	
<b>Electives (6 credits)</b>		

Select two courses (6 credits) from MAS elective courses \*

6

**Total Credit Hours**

15

\* With a globally-focused topic. Elective options will vary each semester.

# Mathematics and Statistics

*College of Arts and Sciences*

116 Petty Building  
336-334-5836  
<https://mathstats.uncg.edu/>

**Stephen R. Tate, Department Head**

**Igor Erovenko, Associate Department Head**  
**Sebastian Pauli, Director of Undergraduate Studies**  
**Ratnasingham Shivaji, Graduate Program Director**

The Department of Mathematics and Statistics offers undergraduate and graduate degrees. The goal of all of the Department's programs is to produce students who are both technically competent and sufficiently well grounded in theory that they can contribute to fundamental research in their chosen specialty. There are many opportunities for graduates of mathematics programs in industry, government, business, research, and teaching.

The faculty consists of nationally and internationally recognized researchers in diverse areas of mathematics, statistics, and mathematics education. They are outstanding professionals committed to teaching excellence, and they take great pride in guiding students to enjoy the beauty of mathematics. The department has been hosting various professional conferences and special events, lecture series, colloquia, and seminars. These activities have greatly enhanced the student learning experience at UNC Greensboro.

## Mission Statement

The mission of the Department of Mathematics and Statistics at UNC Greensboro is to provide intellectual leadership in the mathematical sciences that is of direct benefit to the State of North Carolina and that commands national and international respect for the quality of its educational programs and for its depth of scholarship.

## Undergraduate

The Department of Mathematics and Statistics offers undergraduate programs leading to the B.A. and B.S. degrees in Mathematics, as well as a minor in Mathematics and a minor in Statistics. To give a professional direction to the student's liberal arts education, the mathematics major may choose a concentration in mathematics, statistics, or high school teaching licensure. There are many opportunities for math majors in industry, actuarial sciences, government, business, and secondary school teaching. The mathematics programs also provide excellent preparation for graduate studies in many areas, including computer science, economics, engineering, law, mathematics, operations research, and statistics.

## Graduate

The department offers a variety of outstanding graduate programs. A graduate degree in Mathematics is not only an excellent choice for students who pursue a career in teaching and/or research, there are also many opportunities in banking, consulting, government, and the IT industry. Most of our graduate students are supported via attractive graduate assistantships.

The Department of Mathematics and Statistics offers a Ph.D. in Computational Mathematics, a M.S. in Applied Statistics, a M.A. in Mathematics, and a Post-Baccalaureate Certificate in Statistics.

Additionally, students pursuing a doctoral degree at UNC Greensboro may obtain a doctoral minor in statistics.

### Professor

Greg C. Bell<sup>G</sup>  
Maya Chhetri<sup>G</sup>  
Igor Erovenko<sup>G</sup>  
Richard H. Fabiano<sup>G</sup>  
Sat Narain Gupta<sup>G</sup>  
Sebastian Georg Manuel Pauli<sup>G</sup>  
Scott James Richter<sup>G</sup>  
Ratnasingham Shivaji, *Helen Barton Excellence Professor*<sup>G</sup>  
Clifford Dieter Smyth<sup>G</sup>  
Dan Yasaki<sup>G</sup>  
Haimeng Zhang<sup>G</sup>

### Associate Professor

Talia Fernos<sup>G</sup>  
Tom Lewis<sup>G</sup>  
Jonathan T. Rowell<sup>G</sup>  
Filip Saidak<sup>G</sup>  
Yi Zhang<sup>G</sup>

### Assistant Professor

Michael B Hull<sup>G</sup>  
Jianping Sun<sup>G</sup>  
Thomas Weighill<sup>G</sup>

### Academic Professional Assistant Professor

Matt Winston Jester

### Visiting Assistant Professor

Sadia Khalil  
Alexey N Sukhinin

### Senior Lecturer

Monika Goel

### Lecturer

Maxine Guzman  
Neil Neil Pritchard

### G Graduate-level faculty

- Mathematics, B.A. (p. 439)
- Mathematics, B.S. (p. 442)
- Mathematics Undergraduate Minor (p. 444)
- Statistics Undergraduate Minor (p. 444)
- Mathematics Second Academic Concentration (<https://nextcatalog.uncg.edu/arts-sciences/mathematics-statistics/mathematics-second-academic-concentration/>)
- Applied Statistics, M.S. (p. 445)
- Mathematics, M.A. (p. 446)
- Computational Mathematics, Ph.D. (p. 449)
- Statistics, Doctoral Minor (p. 450)
- Statistics, Post-Baccalaureate Certificate (p. 450)

## Mathematics, B.A.

Mathematics is an excellent major for the student whose immediate objective is to acquire a strong liberal arts education. Graduates may go on to work as an actuary with insurance companies; as a data

analyst with pharmaceutical, biotechnology, or health care companies; as a quality assurance specialist with engineering companies; or in government agencies such as FDA, EPA, NSA, or USDA.

The B.A. program is more flexible than the B.S. program. It allows one to specialize in mathematics and at the same time either to follow a broad liberal arts program or to specialize in a second area (possibly even taking a second major). Students wanting to go to graduate school are encouraged to consider the Accelerated Degree Program (ADP) (p. 443) to earn a B.A. and M.A. in 5 years. Strong students can graduate with Disciplinary Honors (p. ).

An undergraduate degree in mathematics also provides excellent preparation for graduate studies in many areas, including actuarial sciences, computer science, economics, engineering, law, mathematics, operations research, and statistics. The major can be specialized to allow preparation for any of these goals.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- A minimum grade of C (2.0) is required for all CSC, MAT, and STA courses to count towards the major core and the concentrations

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
Core Courses		9
MAT 310	Elementary Linear Algebra	
MAT 490	Senior Seminar in Mathematics	
STA 290	Introduction to Probability and Statistical Inference	
Calculus Sequence		12
<i>Select one of the two calculus sequences below:</i>		*
Four three-credit hour courses		
MAT 191 & MAT 292 & MAT 293 & MAT 394	Calculus I and Calculus II and Calculus III and Calculus IV	
Or three four-credit hour courses		
MAT 196 & MAT 296 & MAT 396	Calculus A and Calculus B and Calculus C	

\* If you need to take a combination of courses from both sequences contact your advisor.

## Concentrations

Select one of the concentrations as detailed following the major requirements.

- General Mathematics
- Health Informatics
- Statistics

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### General Mathematics Concentration Requirements

- A minimum grade of C (2.0) is required for all CSC, MAT, and STA courses to count towards the major core and the concentration.

Code	Title	Credit Hours
<b>Programming Course</b>		3
<i>Select one of the following:</i>		
CSC 120	Introduction to Computer Programming for Non-Majors	
CSC 130	Introduction to Computer Science	
CSC 230	Elementary Data Structures and Algorithms	
<b>Additional Mathematics Courses</b>		12
MAT 253	Discrete Mathematical Structures	
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	
MAT 395	Introduction to Mathematical Analysis	
<b>Advanced Mathematics Courses</b>		3
<i>Select one MAT course at the 400 level.</i> *		
* The following courses are not eligible:		
• MAT 405		
• MAT 406		
• MAT 465		
<b>Health Informatics Concentration Requirements</b>		
• A minimum grade of C (2.0) is required for all CSC, MAT, and STA courses to count towards the major core and the concentration.		
Code	Title	Credit Hours
<b>Additional Mathematics Courses</b>		13
STA 301	Statistical Methods	
STA 352	Statistical Inference	
MAT 253	Discrete Mathematical Structures	
MAT 390	Ordinary Differential Equations	
STA 440	SAS System Statistical Analysis	
<b>Advanced Mathematics Courses</b>		3
<i>Select one of the following:</i>		
MAT 427	Numerical Methods	
MAT 451	Topological Data Analysis	
STA 442	Statistical Computing	
STA 465	Analysis of Survival Data	
STA 481	Introduction to Design of Experiments	
<b>Computing Courses</b>		12
CSC 330	Advanced Data Structures	
<i>Select one of the two introductory computer science sequences</i>		

CSC 120      Introduction to Computer Programming for Non-Majors  
& CSC 220      and Elementary Data Structures-A Transition

CSC 130      Introduction to Computer Science  
& CSC 230      and Elementary Data Structures and Algorithms

*Select one of the following:*

CSC 405      Data Science

CSC 410      Big Data and Machine Learning

CSC 416      Digital Image Processing

CSC 425      Bioinformatics

CSC 471      Principles of Database Systems

**Health Sciences Courses**      **15**

BIO 111      Principles of Biology I  
& 111L      and Principles of Biology I Laboratory

CHE 111      General Chemistry I  
& CHE 112      and General Chemistry I Laboratory

CHE 114      General Chemistry II  
& CHE 115      and General Chemistry II Laboratory

HEA 308      Introduction to Public Health

### Statistics Concentration Requirements

- A minimum grade of C (2.0) is required for all CSC, MAT, and STA courses to count towards the major core and the concentration

Code	Title	Credit Hours
------	-------	--------------

**Programming Course**

**3**

*Select one of the following*

CSC 120      Introduction to Computer Programming for Non-Majors

CSC 130      Introduction to Computer Science

CSC 230      Elementary Data Structures and Algorithms

**Additional Statistics Courses**      **12**

STA 301      Statistical Methods

STA 352      Statistical Inference

*Select two additional STA courses at the 300 level or above.*

**Advanced Statistics Course**      **3**

*Select one STA course at the 400 level.*

### Disciplinary Honors in Mathematics

#### Requirements

- A minimum of 12 credit hours as detailed below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A grade of B or higher in all course work used to satisfy the Honors requirement in Mathematics

Code	Title	Credit Hours
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**Required**

**6-9**

MAT 493      Honors Work \*

HSS 490      Senior Honors Project

**Select two courses from the following:**      **6**

MAT 310      Elementary Linear Algebra

MAT 311      Introduction to Abstract Algebra

MAT 390	Ordinary Differential Equations
MAT 395	Introduction to Mathematical Analysis

\* To be taken before HSS 490

### Recognition

Receive a Certificate of Disciplinary Honors in Mathematics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Richard Fabiano at fabiano@uncg.edu for further information and guidance about Honors in Mathematics. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.A. or B.S. to M.A. in Mathematics

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Master's Program (AMP) and the M.A. in Mathematics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Master's Program information when applying for admission to the M.A. in Mathematics, submitting all application materials excluding GRE scores.

### Courses

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program in Mathematics must be approved by the Graduate Program Director, must be specified on the Accelerated Master's Program request, and must be from two out of the following four choices:

Code	Title	Credit Hours
MAT 695 & MAT 696	Mathematical Analysis and Mathematical Analysis	6
Two courses selected from 600-level or higher MAT courses *		6
STA 631 & STA 632	Introduction to Probability and Introduction to Mathematical Statistics	6
Two courses selected from:		6
STA 602	Statistical Methods for Data Analytics	
STA 622	Complex Data Analysis	
STA 645	Nonparametric Statistics	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	

\* Excluding MAT 601 Seminar in the Teaching of Mathematics I, MAT 602 Seminar in Mathematical Software, MAT 603 Practicum

in the Teaching of Mathematics , MAT 695 Mathematical Analysis, and MAT 696 Mathematical Analysis.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Mathematics remain the same.

## Mathematics, B.S.

Mathematics is an excellent major for the student whose immediate objective is to acquire a strong liberal arts education. Graduates may go on to work as an actuary with insurance companies; as a data analyst with pharmaceutical, biotechnology, or health care companies; as a quality assurance specialist with engineering companies; or in government agencies such as FDA, EPA, NSA, or USDA.

The B.S. program is more technically oriented than the B.A. program. It provides solid preparation for work or study in mathematics or a related field. Students wanting to go to graduate school are encouraged to consider the Accelerated Degree Program (ADP) (p. 443) to earn a B.S. and M.A. in 5 years. Strong students can graduate with Disciplinary Honors (p. 443).

An undergraduate degree in mathematics also provides excellent preparation for graduate studies in many areas, including actuarial sciences, computer science, economics, engineering, law, mathematics, operations research, and statistics. The major can be specialized to allow preparation for any of these goals.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students planning to pursue graduate study should contact their advisor as soon as possible to prepare a plan of study
- A minimum grade of C (2.0) is required for all CSC, MAT, and STA courses to count towards the major core and the concentration.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
MAT 310	Elementary Linear Algebra	
MAT 490	Senior Seminar in Mathematics	
STA 290	Introduction to Probability and Statistical Inference	
<b>Calculus Sequence</b>		<b>12</b>
<b>Select one of the two calculus sequences below:</b> *		
<i>Four three-credit hour courses</i>		
MAT 191	Calculus I	
MAT 292	Calculus II	

MAT 293	Calculus III
MAT 394	Calculus IV
<i>Or three four-credit hour courses</i>	
MAT 196	Calculus A
MAT 296	Calculus B
MAT 396	Calculus C

\* If you need to take a combination of courses from both sequences contact your advisor.

## Concentrations

Students must select one of the concentrations as detailed following the major requirements.

- Advanced Mathematics
- Statistics

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

## Advanced Mathematics Concentration Requirements

- A minimum grade of C (2.0) is required for all CSC, MAT, and STA courses to count towards the major core and the concentration.

Code	Title	Credit Hours
<b>Programming Course</b>		<b>3</b>
<i>Select one from the following:</i>		
CSC 120	Introduction to Computer Programming for Non-Majors	
CSC 130	Introduction to Computer Science	
CSC 230	Elementary Data Structures and Algorithms	
<b>Additional Mathematics Courses</b>		<b>12</b>
MAT 253	Discrete Mathematical Structures	
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	
MAT 395	Introduction to Mathematical Analysis	
<b>Advanced Mathematics Courses</b>		<b>6</b>
<i>Two MAT courses at the 400-level. At least one of which must be chosen from the following: *</i>		
MAT 422	Intro Functional Analysis	
MAT 425	Intermediate Math Analysis	
MAT 440	Introductory Complex Analysis	
<b>Mathematical Sciences Courses</b>		<b>9</b>
<i>Select three from the following:</i>		
<i>MAT or STA courses 300 level or above *</i>		
CSC 427	Numerical Analysis and Computing	
CSC 452	Theory of Computation	
CSC 454	Algorithm Analysis / Design	
<b>Interdisciplinary Courses</b>		<b>6</b>
<i>Choose one of the subject options below</i>		
<i>Biology</i>		

BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
<b>Chemistry</b>	
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory
<b>Computer Science</b>	
CSC 220 or CSC 230	Elementary Data Structures-A Transition Elementary Data Structures and Algorithms
CSC 330	Advanced Data Structures
<b>Economics</b>	
ECO 201	Principles of Microeconomics
ECO 202	Principles of Macroeconomics
<b>Physics</b>	
PHY 291	General Physics I with Calculus
PHY 292	General Physics II with Calculus

\* The following courses are not eligible:

- MAT 405 Foundations of Mathematics for Teaching I
- MAT 406 Foundations of Mathematics for Teaching II
- MAT 465 Student Teaching and Seminar-Secondary Mathematics

## Statistics Concentration Requirements

Code	Title	Credit Hours
<b>Programming Course</b>		
<i>Select one of the following</i>		
CSC 120	Introduction to Computer Programming for Non-Majors	3
CSC 130	Introduction to Computer Science	
CSC 230	Elementary Data Structures and Algorithms	
<b>Additional Statistics Courses</b>		
STA 301	Statistical Methods	12
STA 352	Statistical Inference	
Select two additional STA courses at the 300 level or above.		
<b>Advanced Statistics Courses</b>		
<i>Select two STA courses at the 400 level.</i>		
<b>Mathematical Sciences Courses</b>		
<i>Two additional courses chosen from the following: *</i>		
MAT or STA courses 300 level or above.		
MAT 253	Discrete Mathematical Structures	
CSC 425	Bioinformatics	
CSC 427	Numerical Analysis and Computing	

\* The following courses are not eligible to count towards the Mathematical Sciences Courses requirement:

- MAT 405 Foundations of Mathematics for Teaching I
- MAT 406 Foundations of Mathematics for Teaching II

- MAT 413
- MAT 465 Student Teaching and Seminar-Secondary Mathematics

## Disciplinary Honors in Mathematics

### Requirements

- A minimum of 12 credit hours as detailed below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A grade of B or higher in all course work used to satisfy the Honors requirement in Mathematics

Code	Title	Credit Hours
<b>Required</b>		
MAT 493	Honors Work *	6-9
HSS 490	Senior Honors Project	
<b>Select two courses from the following:</b>		
MAT 310	Elementary Linear Algebra	6
MAT 311	Introduction to Abstract Algebra	
MAT 390	Ordinary Differential Equations	
MAT 395	Introduction to Mathematical Analysis	

\* To be taken before HSS 490

### Recognition

Receive a Certificate of Disciplinary Honors in Mathematics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

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## Accelerated B.A. or B.S. to M.A. in Mathematics

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Master's Program (AMP) and the M.A. in Mathematics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Master's Program information when applying for admission to the M.A. in Mathematics, submitting all application materials excluding GRE scores.

### Courses

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program in Mathematics must be approved by the Graduate Program Director, must be specified on the

Accelerated Master's Program request, and must be from two out of the following four choices:

Code	Title	Credit Hours
MAT 695 & MAT 696	Mathematical Analysis and Mathematical Analysis	6
Two courses selected from 600-level or higher MAT courses *		6
STA 631 & STA 632	Introduction to Probability and Introduction to Mathematical Statistics	6
Two courses selected from:		6
STA 602	Statistical Methods for Data Analytics	
STA 622	Complex Data Analysis	
STA 645	Nonparametric Statistics	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	

\* Excluding MAT 601 Seminar in the Teaching of Mathematics I, MAT 602 Seminar in Mathematical Software, MAT 603 Practicum in the Teaching of Mathematics, MAT 695 Mathematical Analysis, and MAT 696 Mathematical Analysis.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Mathematics remain the same.

## Mathematics Undergraduate Minor

Students with a major in another department can strengthen their degree by adding a Minor in Mathematics. A mathematics minor enhances your resumé by providing training in a field that employers value.

The Minor in Mathematics is designed for students who want to learn more about mathematical sciences in support of their personal interests or major area of study. It offers students the opportunity to explore connections among mathematical ideas and to further develop mathematical ways of thinking. While the major will often be in a field which makes significant use of mathematics, such as a science or economics, it may be in any area of study.

### Program Requirements

- The minor in mathematics consists of at least 15 credit hours of work as specified below.
- Only MAT or STA courses in which grades of C or better (not C-) are earned will be counted toward the minor.

Code	Title	Credit Hours
<b>Select one of these two sequences of Calculus courses:</b>		
MAT 191 & MAT 292	Calculus I and Calculus II	6 or 8
<b>or</b>		
MAT 196 & MAT 296	Calculus A and Calculus B	
<b>Select one of the following courses:</b>		3
MAT 310	Elementary Linear Algebra	

MAT 353	Introduction to Discrete Mathematics	
<b>Select 6 MAT or STA credits at the 200 level or above *</b>		6

\* The following courses are not eligible:

- MAT 405
- MAT 406
- MAT 465

## Statistics Undergraduate Minor

The Minor in Statistics is designed to enable students with an interest in statistics to deepen their knowledge and thus strengthen their major in another field. A statistics minor enhances your resumé by providing training in a field that employers value.

While the major will often be in a field which makes use of statistics, such as business, economics, a quantitative social science or a health science, it may be in any area of study.

### Program Requirements

The minor in statistics consists of at least 15 credit hours of work as specified below. Only courses in which grades of C or better (not C-) are earned will be counted toward the minor.

- Minimum of 15 credits

Code	Title	Credit Hours
<b>Required</b>		
STA 271	Fundamental Concepts of Statistics	6
or STA 290	Introduction to Probability and Statistical Inference	
STA 301	Statistical Methods	
<b>Select three additional STA courses at the 300 level or above</b>		
		9

## Mathematics Second Academic Concentration

### Mathematics Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

The second academic concentration in Mathematics is designed specifically for Elementary Education Majors and Special Education Majors.

#### Requirements

- Minimum of 18 credit hours.

Code	Title	Credit Hours
<b>Core Courses</b>		
MAT 191	Calculus I	12
MAT 292	Calculus II	
STA 271	Fundamental Concepts of Statistics	
<i>Select one from the following:</i>		
MAT 220	Plane and Solid Analytic Geometry	

MAT 253	Discrete Mathematical Structures
MAT 293	Calculus III
MAT 310	Elementary Linear Algebra

**Additional Electives**

6

<i>Select 6 credits from the following:</i>	
MAT 220	Plane and Solid Analytic Geometry
MAT 253	Discrete Mathematical Structures
MAT 293	Calculus III
MAT 310	Elementary Linear Algebra
MAT 311	Introduction to Abstract Algebra
MAT 313	Historical Development of Mathematics
MAT 353	Introduction to Discrete Mathematics
MAT 390	Ordinary Differential Equations
MAT 394	Calculus IV
MAT 414	Theory of Numbers
MAT 419	Intuitive Concepts in Topology
MAT 431	Combinatorial Analysis

## Mathematics Second Academic Concentration for Special Education: General Curriculum, B.S.

The second academic concentration in Mathematics is designed specifically for Elementary Education Majors and Special Education Majors.

### Requirements

- Minimum of 18 credit hours.

Code	Title	Credit Hours
<b>Core Courses</b>		
MAT 191	Calculus I	12
MAT 292	Calculus II	
STA 271	Fundamental Concepts of Statistics	

*Select one from the following:*

MAT 220	Plane and Solid Analytic Geometry
MAT 253	Discrete Mathematical Structures
MAT 293	Calculus III
MAT 310	Elementary Linear Algebra

<b>Additional Electives</b>	6
<i>Select 6 credits from the following:</i>	

MAT 220	Plane and Solid Analytic Geometry
MAT 253	Discrete Mathematical Structures
MAT 293	Calculus III
MAT 310	Elementary Linear Algebra
MAT 311	Introduction to Abstract Algebra
MAT 313	Historical Development of Mathematics
MAT 353	Introduction to Discrete Mathematics
MAT 390	Ordinary Differential Equations
MAT 394	Calculus IV
MAT 414	Theory of Numbers

MAT 419	Intuitive Concepts in Topology
MAT 431	Combinatorial Analysis

## Applied Statistics, M.S.

The Department of Mathematics and Statistics offers a Master of Science degree with a major in Applied Statistics. The Applied Statistics graduate program is designed to provide students with excellent data analytics training and problem-solving skills for employment in various settings such as the health and insurance sectors, government agencies, and business entities.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit the following documents with the application:

- Personal statement summarizing the applicant's background and professional interest.
- Three reference letters.
- Official transcripts from all previous institutions.

Applicants are required to have a bachelor's degree in math, statistics, or related quantitative field from an accredited college or university or appropriately evaluated credentials for non-U.S. institutions. An undergraduate minimum GPA of 3.0 is required. TOEFL or IELTS scores are required for international applicants.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
STA 602	Statistical Methods for Data Analytics	3
STA 606	Solving Problems with Data Analytics	3
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 640	SAS System for Statistical Analysis	1
STA 668	Consulting Experience *	2
<b>Elective Courses (12 credits)</b>		
Select 12 credits of electives from 600- and 700-level STA courses **		12
<b>Capstone Experience (3 credits)</b>		
STA 698	Project in Statistics	3
<b>Total Credit Hours</b>		<b>30</b>

\* A total of 2 credits in STA 668 is required.

\*\* Up to 6 credits may be selected from graduate courses in other departments, including:

- Mathematics
- Computer Science
- Economics
- Educational Research Methodology
- Informatics and Analytics
- Information Systems and Supply Chain Management

# Mathematics, M.A.

The Master of Arts in Mathematics degree has six concentrations: Actuarial Mathematics, Data Analytics, Mathematics, Mathematical Foundations of Data Science, Mathematical Statistics, and Teaching College Mathematics. The programs provide advanced training in these areas. Although it is often a terminal degree, the M.A. degree can also be viewed as a natural step towards a Ph.D. degree.

Students who plan to continue to the Ph.D. in Computational Mathematics (p. 449) program are urged to elect the concentration in Mathematics. They may then use the doctoral qualifying examinations to satisfy the comprehensive examination requirement in the non-thesis option for the M.A. degree.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 500-700 word personal statement to be considered for admission.

## Degree Program Requirements

**Required:** 30 credit hours

### Actuarial Mathematics Concentration

**Required:** 30 credit hours

The M.A. in Mathematics with a concentration in Actuarial Mathematics provides students wishing to pursue a career in actuarial science a solid foundation in Applied Probability and Statistical Models and their applications in the area of actuarial science. It is designed to help students pass the preliminary actuarial exams while providing educational experiences related to the actuarial field. Students will be encouraged to seek internship opportunities during the summer. The concentration requires 30 credit hours and is offered with a project. At least 15 credits must be at the 600-level or above.

The target student population for this program will be students with a bachelor's degree in mathematics, statistics, economics, finance, or a related field who want to pursue an actuarial industry to advance their career.

Code	Title	Credit Hours
<b>Required Foundations and Methods Courses (12 credits)</b>		
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 655	Applied Probability Models	3
MAT 686	Financial Math for Actuaries	3
<b>Elective Courses (15-18 credits)</b>		
<i>Actuarial Exam and Applied Statistics Courses</i>		
Select at least 9 credits from the following:		9
STA 635	Theory of Linear Regression	
STA 642	Statistical Computing	
STA 665	Analysis of Survival Data	
STA 691	Actuarial Exam Preparation Seminar	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	
STA 682	Theory of Time Series	

### Other Applied Statistics Courses

Select at most 6 credits from any other 600-level STA courses or the following: \*

ECO 641	Microeconomics I
ECO 646	Macroeconomics
ISM 645	Principles of Predictive Analytics
ISM 671	Organizing Data for Analytics
MBA 702	Financial and Managerial Accounting
MBA 707	Financial Management

### Project (Capstone Experience) (3 credits)

STA 698	Project in Statistics **	3
<b>Total Credit Hours</b>		

\* Excluding the 600-level STA courses listed above and STA 651, STA 652, STA 667, STA 668, STA 690, and STA 699.

\*\* Each student is required to complete a project under the direction of an advisor chosen by the Graduate Program Director in consultation with the student. 3 credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.

## Data Analytics Concentration

**Required:** 30 credit hours

The concentration in Data Analytics provides students with advanced analytical training to develop their ability to draw insights from big data, including: data collection, preparation and integration, statistical methods and modeling, and other techniques for analyzing complex data. The program is highly applied in nature, integrating project-based learning, simulations, case studies, and specific electives addressing the analytical needs of various industry sectors. The concentration requires a minimum of 30 credit hours including either a project (3 credits) or thesis (6 credits) option.

Code	Title	Credit Hours
<b>Analytics Methods and Foundations (15 credits)</b>		
STA 631	Introduction to Probability	3
STA 632	Introduction to Mathematical Statistics	3
STA 642	Statistical Computing	3
STA 673	Statistical Linear Models I	3
STA 703	Topics in High Dimensional Data Analysis	3
<b>Analytics Applications (9-12 credits)</b>		
Select at least two courses (6 credits) from the following:		
STA 645	Nonparametric Statistics	
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	
STA 665	Analysis of Survival Data	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	
STA 674	Statistical Linear Models II	
STA 677	Advanced Topics in Data Analysis and Quantitative Methods	
Select at most two courses (3-6 credits) from the following:		
CSC 605	Data Science	3-6

CSC 610	Big Data and Machine Learning
CSC 625	Bioinformatics
ECO 625	Data Methods in Economics
ECO 663	Predictive Data Mining
ECO 664	Time Series and Forecasting
ISM 645	Principles of Predictive Analytics
ISM 646	Visualizing Data to Design Strategy
ISM 671	Organizing Data for Analytics

**Thesis, Project, or Comprehensive Exam (Capstone Experience) (6, 3, or 0 credits)**

Select one of the following options:	6, 3, or 0
<i>Thesis Option (6 credits)<sup>1</sup></i>	
<i>Project Option (3 credits)<sup>2</sup></i>	
<i>Comprehensive Exam Option (0 credits)<sup>3</sup></i>	

**Total Credit Hours** **30**

- <sup>1</sup> A student may prepare a thesis based on the investigation of a topic in statistics. A thesis director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. Students will include 6 credits of thesis (STA 699) or 3 credits of STA 698 Project in Statistics and 3 credits of STA 699 in the 30 credits required for the concentration. An oral examination on the thesis is required.
- <sup>2</sup> A student who does not prepare a thesis must complete a project under the direction of an advisor chosen by the Graduate Program Director in consultation with the student. 3 credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.
- <sup>3</sup> A student may pass a written comprehensive examination of their program. Please consult with the Graduate Program Director for information concerning the comprehensive examination. Under this option, 30 credits of course work is required.

**Thesis, Project, or Comprehensive Exam (Capstone Experience)**

Each student must elect to complete a thesis, project, or comprehensive exam. Each option requires 30 credits total.

**Thesis Option (6 credits)**

A student may prepare a thesis based on the investigation of a topic in statistics. A thesis director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. Students will include 6 credits of thesis (STA 699) or 3 credits of STA 698 Project in Statistics and 3 credits of STA 699 in the required 30 credits. An oral examination on the thesis is required.

**Project Option (3 credits)**

A student who does not prepare a thesis must complete a project under the direction of an advisor chosen by the Graduate Program Director in consultation with the student. 3 credits of STA 698 Project in Statistics will be included in the 30 credits required for the concentration.

**Comprehensive Exam Option (0 credits)**

A student may pass a written comprehensive examination of their program. Please consult with the Graduate Program Director for information concerning the comprehensive examination. Under this option, 30 credits of course work is required.

## Mathematics Concentration

**Required:** 30 credit hours

The Mathematics concentration offers a thesis option, a project option and a comprehensive exam option. Each option requires 30 credit hours.

Code	Title	Credit Hours
<b>Core Courses (6-12 credits)</b>		
Select 6-12 credits from the following: <sup>1</sup>		6-12
MAT 695	Mathematical Analysis	
MAT 696	Mathematical Analysis	
MAT 727	Linear Algebra	
MAT 728	Numerical Linear Algebra	
<b>MAT Electives (6-24 credits)</b>		
Select 6-24 credits of electives from 600-level or higher MAT courses		6-24
<b>Interdisciplinary Electives (0-6 Credits)</b>		
Select up to 6 credits of electives from 600-level or higher CSC or STA courses <sup>3</sup>		0-6
<b>Thesis, Project, or Comprehensive Exam (Capstone Experience) (6, 3, or 0 credits)</b>		
Select one of the following options:	6, 3, or 0	
<i>Thesis Option (6 credits)<sup>4</sup></i>		
<i>MAT 699 Thesis</i>		
<i>Project Option (3 credits)<sup>5</sup></i>		
<i>MAT 687 Project in Mathematics</i>		
<i>Comprehensive Exam Option (0 credits)<sup>6</sup></i>		
<b>Total Credit Hours</b>		<b>30</b>

<sup>1</sup> At least 6 of these credits must constitute a complete year-long sequence.

<sup>2</sup> With prior approval of the Graduate Program Director.

Excluding MAT 601 Seminar in the Teaching of Mathematics I and MAT 603 Practicum in the Teaching of Mathematics.

<sup>3</sup> With approval of the Graduate Program Director.

<sup>4</sup> A student may prepare a thesis based on the investigation of a topic in mathematics. A thesis director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. Students may include up to 6 credits of thesis (MAT 699) in the 30 credits required for the concentration. An oral examination on the thesis is required.

<sup>5</sup> A student may prepare a project based on in-depth investigation of a topic in mathematics. A project director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. Students may include 3 credits of project (MAT 687) in the 30 credit required for the concentration. A written report and an oral examination on the project are required.

<sup>6</sup> A student who does not prepare a thesis must pass a written comprehensive examination of their program. Please consult with the Graduate Program Director for information concerning the comprehensive examination.

## Thesis, Project, or Comprehensive Examination (Capstone Experience)

### Thesis Option (6 credits)

A student may prepare a thesis based on the investigation of a topic in mathematics. A thesis director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. Students may include up to 6 credits of thesis (MAT 699) in the 30 credits required for the concentration. An oral examination on the thesis is required.

### Project Option (3 credits)

A student may prepare a project based on in-depth investigation of a topic in mathematics. A project director will be appointed by the Department Head after consultation with the student and the Graduate Program Director. Students may include 3 credits of project (MAT 687) in the 30 credits required for the concentration. A written report and an oral examination on the project are required.

### Comprehensive Examination Option (0 credits)

A student who does not prepare a thesis must take 30 credits of course work and pass a written comprehensive examination of their program. Please consult with the Graduate Program Director for information concerning the comprehensive examination.

## Mathematical Foundations of Data Science Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Core Course Requirements (12 credits)</b>		
MAT 651	Topological Data Analysis	3
MAT 653	Foundations of Mathematical Data Science	3
MAT 654	Advanced Mathematical Data Science	3
STA 622	Complex Data Analysis	3
<b>Electives (12-15 credits)</b>		
Select 12-15 credits of elective courses *		12-15
<b>Capstone Experience (6 or 3 credits)</b>		
Select one of the following options:		6 or 3
<i>Thesis Option (6 credits)</i>		
MAT 699	Thesis or STA 699 Thesis	
<i>Project Option (3 credits)</i>		
MAT 687	Project in Mathematics or STA 698 Project in Statistics	
<b>Total Credit Hours</b>		<b>30</b>

\* With prior approval of the Graduate Program Director. At least 9 credits must be selected from MAT and STA graduate courses. At most, 6 credits may be selected from interdisciplinary courses in CSC, ECO, ERM, IAC, IAF, IAL, and ISM.

## Mathematical Statistics Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Core Course Requirements (12 credits)</b>		
STA 631 or STA 651	Introduction to Probability Mathematical Statistics	3
STA 632 or STA 652	Introduction to Mathematical Statistics Mathematical Statistics	3
STA 635	Theory of Linear Regression	3
STA 673	Statistical Linear Models I	3
<b>Electives (12-18 credits)</b>		
Select 12-18 credits of electives from MAT and STA 600-level or higher courses *		12-18
<b>Capstone Experience (6, 3, or 0 credits)</b>		
Select one of the following options:		6, 3, or 0
<i>Thesis Option (6 credits)</i>		
STA 699	Thesis	
<i>Project Option (3 credits)</i>		
STA 698	Project in Statistics	
<i>Area Exams Option (0 credits)</i>		
<b>Total Credit Hours</b>		<b>30</b>

\* With prior approval of the Graduate Program Director. Excluding MAT 601 Seminar in the Teaching of Mathematics I and MAT 603 Practicum in the Teaching of Mathematics .

## Teaching College Mathematics Concentration

**Required:** 30 credit hours

The concentration in Teaching College Mathematics is intended for students wishing to pursue a career in teaching at the community college level. This 30 credit hour concentration is offered with a project option or an exam option. At least half of the required credits (15 out of the 30) must be taken at the 600-level or above. Candidates must complete at least 18 credits of graduate course work with an MAT prefix. The concentration has three components: The Mathematics and Statistics core courses; Pedagogy, Educational Research, and Higher Education; and the Capstone Experience (Project or Exam).

Code	Title	Credit Hours
<b>Mathematics and Statistics Core Courses (18 credits)</b>		
Select at least 18 credits from graduate-level MAT or STA courses, including at least one two-semester sequence from the following: <sup>1</sup>		18
MAT 691 & MAT 692	Abstract Algebra I and Abstract Algebra II	
MAT 695 & MAT 696	Mathematical Analysis and Mathematical Analysis	
MAT 727 & MAT 728	Linear Algebra and Numerical Linear Algebra	
STA 631 & STA 632	Introduction to Probability and Introduction to Mathematical Statistics	
<b>Pedagogy, Educational Research, and Higher Education (9-12 credits)</b>		
MAT 601	Seminar in the Teaching of Mathematics I	1

MAT 603	Practicum in the Teaching of Mathematics	2	take within the Accelerated Master's Program in Mathematics must be approved by the Graduate Program Director, must be specified on the Accelerated Master's Program request, and must be from two out of the following four choices:
Select 6-9 credits from the following:		6-9	
MAT 503	Problem Solving in Mathematics		
MAT 513	Historical Development of Mathematics		
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I		
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II		
ERM 605	Educational Measurement and Evaluation		
ERM 667	Foundations of Educational Measurement Theory		
HED 602	Student Development Theory in Higher Education		
<b>Project or Comprehensive Exam (Capstone Experience) (3 or 0 credits)</b>			
Select one of the following options:		3	
		or	
		0	
<i>Project Option (3 credits)<sup>2</sup></i>			
MAT 687	Project in Mathematics		
or STA 698	Project in Statistics		
<i>Comprehensive Exam Option (0 credits)<sup>3</sup></i>			
<b>Total Credit Hours</b>		<b>30</b>	

<sup>1</sup> Excluding MAT 503, MAT 513, MAT 601, MAT 603, MAT 699, and STA 699.

<sup>2</sup> Students who select the project option must prepare a project on the investigation of a topic in mathematics or statistics. A project director will be appointed by the Department Head in consultation with the students the Graduate Program Director. Candidates may include up to 3 credits of MAT 687 or STA 698 in the required total for the concentration.

<sup>3</sup> A student who does not prepare a project must pass a written comprehensive examination of their program. Please consult with the Graduate Program Director for information concerning the comprehensive examination.

#### Project or Comprehensive Exam (Capstone Experience)

Each student must elect to complete a project or comprehensive exam. Both options require 30 credits total.

## Accelerated B.A. or B.S. to M.A. in Mathematics

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.A. or B.S. in Mathematics may apply for admission to the Accelerated Master's Program (AMP) and the M.A. in Mathematics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Master's Program information when applying for admission to the M.A. in Mathematics, submitting all application materials excluding GRE scores.

### Courses

Admitted students may apply up to 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will

Code	Title	Credit Hours
MAT 695 & MAT 696	Mathematical Analysis and Mathematical Analysis	6
Two courses selected from 600-level or higher MAT courses *		6
STA 631 & STA 632	Introduction to Probability and Introduction to Mathematical Statistics	6
Two courses selected from:		6
STA 602	Statistical Methods for Data Analytics	
STA 622	Complex Data Analysis	
STA 645	Nonparametric Statistics	
STA 670	Categorical Data Analysis	
STA 671	Multivariate Analysis	

\* Excluding MAT 601 Seminar in the Teaching of Mathematics I, MAT 602 Seminar in Mathematical Software, MAT 603 Practicum in the Teaching of Mathematics, MAT 695 Mathematical Analysis, and MAT 696 Mathematical Analysis.

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Mathematics remain the same.

## M.A. Doctoral Track

The M.A. Doctoral Track offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the M.A. Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only program.

## Computational Mathematics, Ph.D.

In 2008, UNCG became the only university in the North Carolina system to offer a Ph.D. in Computational Mathematics. Following the advent of the computer, computational mathematics has emerged as an exciting, rapidly growing area of mathematics. Research in computational mathematics brings together computing power and theoretical mathematics. This challenging and rigorous program culminates in the defense of an original dissertation that is suitable for publication in a refereed journal. Upon completion of this degree, the successful student will be capable of producing new results in their chosen area of research.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a 500-700 word personal statement to be considered for admission.

## M.A. Doctoral Track

The M.A. Doctoral Track offers exceptionally well-qualified applicants the opportunity to gain admission to the master's and doctoral

programs simultaneously. This program is designed for students who would like to obtain their M.A. and then proceed directly to the Ph.D. program. Students accepted into the M.A. Doctoral Track must fulfill all requirements for the M.A. and the Ph.D. and will earn both degrees. Students not accepted into the M.A. Doctoral Track may still be accepted into the M.A. only program.

## Degree Program Requirements

**Required:** 48-54 credit hours

Students who enter with an M.A. in Mathematics are required to earn a minimum of 48 credit hours, pass the preliminary examination, obtain approval of a dissertation topic, and successfully defend their dissertation. Students entering with other advanced degrees will have their transcripts individually evaluated by the Graduate Program Director to establish the minimum course work required.

Code	Title	Credit Hours
<b>Course Work (27-30 credits)</b>		
Select 27-30 credits from advanced courses in mathematics, statistics, and related areas *		27-30
<b>Computing Work (6, 3, or 0 credits)</b>		
Select two or one or no courses (6, 3, or 0 credits) from the following: **	6, 3, or 0	
MAT 627	Numerical Methods	
MAT 630	Computational Discrete Mathematics	
STA 642	Statistical Computing	
<b>Dissertation (18-21 credits)</b>		
MAT 799	Dissertation	18-21
<b>Total Credit Hours</b>		<b>48-54</b>

- \* Courses at the 600 and the 700 level. The selection of course work must be approved by the Graduate Program Director.
- \*\* Students will be required to complete up to two courses (6 credits) if they have not completed sufficient previous course work in computing. If a student has completed sufficient previous course work, the requirement may be one course (3 credits) or none (0 credits), as determined by the Graduate Program Director.

## Required Milestones\*

- Residency (Immersion)
- Research Competency
- Plan of Study
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

accomplished for a specific program, please refer to the doctoral program's handbook.

## Statistics, Doctoral Minor

The Doctoral Minor in Statistics is designed for Ph.D. students from a wide range of backgrounds to add a minor in statistics to their transcript. In today's world of data analytics and big data, being able to collect and analyze data is even more critical than ever before. Our department offers courses in both theory and application of statistical ideas and techniques to help students gain an edge in the workplace. Adding the Doctoral Minor in Statistics to your transcript will enhance your resume, your job options, and the depth and breadth of your future research projects.

## Minor Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (3 credits)</b>		
STA 602	Statistical Methods for Data Analytics	3
<b>Electives (15 credits)</b>		
Select five additional 3-credit STA courses (15 credits) at the 600-level or above		15
<b>Total Credit Hours</b>		<b>18</b>

## Statistics, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Statistics provides statistical training for persons who wish to enhance their knowledge of statistics but do not wish to pursue a formal degree and for professionals whose interests require a knowledge of statistics beyond the undergraduate level. The objective of the certificate is to offer a structured introduction to the basic ideas of graduate level statistical analysis.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (3 credits)</b>		
STA 602	Statistical Methods for Data Analytics	3
<b>Electives (9 credits)</b>		
Select three additional 3-credit STA courses (9 credits) at the 600-level or above		9
<b>Total Credit Hours</b>		<b>12</b>

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are

# Media Studies

*College of Arts and Sciences*

210 Brown Building  
336-334-5360  
<https://mediastudies.uncg.edu>

**Michael Frierson**, *Interim Department Head*  
**Frank Donaldson**, *Director of Undergraduate Studies*

The Department of Media Studies offers a Bachelor of Arts in Media Studies. The Media Studies major is an integrated program of study that focuses on the creative production and critical consumption of a range of moving-image media. Majors have opportunities to study and produce narrative and documentary film, interdisciplinary media productions, fiction and non-fiction television, and news and video journalism. Students can customize their program of study, drawing from courses on various aspects of film, video, and digital media production; screenwriting; media theory, history, and criticism; and news reporting and analysis. This is enhanced by providing students with co-curricular opportunities to participate in on-campus media productions, the student-run campus radio station (WUAG), and other client-based and internship programs.

The Department also offers two minors: a Media Studies minor and a Radio minor.

## Professor

David A. Cook<sup>G</sup>  
Michael Frierson<sup>G</sup>  
Kimberlianne Podlas<sup>G</sup>

## Associate Professor

Jeffrey T. Adams<sup>G</sup>

## Assistant Professor

Jennida M. Chase

## Lecturer

Fausto Barrionuevo  
John Mark Boschini  
Wil Randolph Davis  
Eric M Juth  
Caitlin A McCann  
Hassan Bandele Pitts  
Emily Louise Spivey  
John Paul Taylor  
Heather Southern Vaughan  
Kevin R Wells

## G Graduate-level faculty

- Media Studies, B.A. (p. 451)
- Media Studies Undergraduate Minor (p. 452)
- Radio Undergraduate Minor (p. 453)

# Media Studies, B.A.

## Criteria for Continuing in the Media Studies Major

Continuation in the Media Studies major is contingent upon the following requirements:

1. Only grades of C- or better taken in MST courses will count toward completion of the major.
2. Adherence to all building and equipment policies and procedures.
3. Professional conduct and treatment of program equipment, including prompt payment of any charges assessed for equipment damage.
4. Compliance with all university regulations including the Academic Honor Policy. Plagiarism, submitting the same work to more than one class, falsified attendance records, etc., are grounds for dismissal from the major.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum 36 credits in Media Studies (all levels).
- Students must take the core requirements (12 credits) and eight additional courses (24 credits).
- Only grades of C- or better taken in MST courses will count toward completion of the major.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
	<b>Core Requirements</b>	<b>12</b>
MST 100	Understanding Media	
MST 205	Media Literacy	
MST 302	Introduction to Film History	
or MST 303	History of Digital Media	
	<i>Select one of the following:</i>	
MST 321	Topics in Film and Pop Culture	
MST 407	Media Law and Ethics	
MST 427	Topics in Film Studies	
MST 428	Topics in Electronic Media	
	<b>Additional Courses</b>	<b>24</b>
	<i>Select 24 credits from the following:</i>	
MST 204	Media Writing	
MST 225	Film Appreciation	
MST 226	Television Appreciation	
MST 271	Introduction to Media Production	
MST 301	Media Theory	
MST 302	Introduction to Film History *	

MST 303	History of Digital Media *
MST 305	Digital Media
MST 321	Topics in Film and Pop Culture *
MST 322	Media Programming
MST 325	Gender and Media Culture
MST 326	News Analysis
MST 327	Non-Western Film: Asian
MST 330	Cult Films
MST 341	Broadcast Newswriting
MST 343	Creative Copywriting
MST 350	Writing for the Screen
MST 352	Creative Process in Film and Video
MST 361	Announcing for Media
MST 370	Single Camera Production I
MST 372	Media Sound Production
MST 373	TV and Film Lighting
MST 374	Cinematography
MST 375	Editing I
MST 388	Video Sports Production
MST 407	Media Law and Ethics *
MST 415	Film Theory
MST 420	History of Film to 1938
MST 421	History of Film since 1938
MST 423	Movies that Matter
MST 424	Media Financing and Distribution
MST 425	Media Organization and Management
MST 427	Topics in Film Studies *
MST 428	Topics in Electronic Media *
MST 441	Video Journalism
MST 450	Media Script Analysis
MST 451	Writing the Feature Film I
MST 452	Writing the Feature Film II
MST 453	Advanced Media Writing
MST 454	Writing the One Hour Movie
MST 459	Doing Visual History
MST 468	Sportscasting
MST 470	Single Camera Production II
MST 471	Editing II
MST 479	Directing for the Screen
MST 480	Directing for Television
MST 481	Dance on Video
MST 483	Advanced Media Production
MST 485	Client Based Production
MST 487	Animation Production
MST 488	Documentary Production

\* These courses may be used if not used to meet core requirements.

### Strong Minor or Second Major

Media Studies majors are encouraged to develop a strong minor or second major in a related area of communication (e.g., Art, Communication Studies, English, etc.), a modern foreign language, or a content area (e.g., History, Psychology, Sociology, etc.).

### Additional Major Electives

Media Studies majors may also take practicum and/or advanced courses as additional major electives, such as listed below.

Code	Title	Credit Hours
<b>Practicums *</b>		
MST 190	WUAG Workshop	
MST 399	Independent Study	
MST 490	Advanced WUAG Workshop	
MST 497	Advanced Media Production Practicum	
<b>Internship</b>		
MST 492	Media Internship	

\* Practicum registrations are for individual or group work conducted under the supervision of a teaching assistant or a faculty member.

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Disciplinary Honors in Media Studies

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors coursework in the major</b>		6
<b>3 credits of Honors coursework in the major or another area</b>		3

#### Recognition

Receive a Certificate of Disciplinary Honors in Media Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

#### Honors Advisor

Contact Jeffrey Adams at [jtadams@uncg.edu](mailto:jtadams@uncg.edu) for further information and guidance about Honors in Media Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Media Studies Undergraduate Minor Program Requirements

- Minimum of 18 credit hours.
- Subject to space availability.
- Only grades of C- or better taken in MST courses will count toward completion of this minor.

Code	Title	Credit Hours
<b>Required</b>		
MST 100	Understanding Media	18
<i>Select a minimum of 15 credits from the following:</i>		

MST 205	Media Literacy	MST 468	Sportscasting
MST 225	Film Appreciation	MST 490	Advanced WUAG Workshop
MST 226	Television Appreciation		
MST 301	Media Theory		
MST 302	Introduction to Film History		
MST 303	History of Digital Media		
MST 305	Digital Media		
MST 321	Topics in Film and Pop Culture		
MST 322	Media Programming		
MST 325	Gender and Media Culture		
MST 326	News Analysis		
MST 327	Non-Western Film: Asian		
MST 330	Cult Films		
MST 407	Media Law and Ethics		
MST 420	History of Film to 1938		
MST 423	Movies that Matter		
MST 428	Topics in Electronic Media		
MST 415	Film Theory		
MST 421	History of Film since 1938		
MST 425	Media Organization and Management		
MST 427	Topics in Film Studies		

## Radio Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours.
- Subject to space availability.
- Only grades of C- or better taken in MST courses will count toward completion of this minor.
- Media Studies B.A. majors may not minor in Radio.

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
MST 100	Understanding Media	
<i>Select a minimum of 15 credits from the following:</i>		
MST 190	WUAG Workshop	
MST 204	Media Writing	
MST 205	Media Literacy	
MST 303	History of Digital Media	
MST 305	Digital Media	
MST 322	Media Programming	
MST 326	News Analysis	
MST 341	Broadcast Newswriting	
MST 343	Creative Copywriting	
MST 361	Announcing for Media	
MST 399	Independent Study	
MST 372	Media Sound Production	
MST 407	Media Law and Ethics	
MST 425	Media Organization and Management	
MST 428	Topics in Electronic Media	

# Philosophy

*College of Arts and Sciences*

239 Curry Building  
336-334-5059  
[www.uncg.edu/phi/](http://www.uncg.edu/phi/) (<http://www.uncg.edu/phi/>)

**Heather Gert**, *Department Head and Director of Undergraduate Studies*

The Department of Philosophy offers courses on the fundamental problems and methods of philosophy, the classics of philosophical literature, and the major figures in the history of philosophy.

Philosophy courses fall into natural groups. See Philosophy Course Groups as listed in the Philosophy Major.

Groups A and B are useful preparation for careers in law and government, and the department offers a major in philosophy with a Prelaw concentration. Group B provides knowledge and skills vital to careers in science and medicine. Group C relates philosophy to other humanistic disciplines and is vital to a liberal education. Group D is necessary for advanced work in philosophy.

All courses under 300 and many higher level courses are open to students without previous training in philosophy. Prerequisites for courses may be waived at the discretion of the instructor. Students are encouraged to begin work in Philosophy by taking PHI 111, PHI 115, PHI 119, PHI 341, PHI 342, or PHI 310.

The department sponsors The Great Conversation, a series of talks by UNC Greensboro Philosophy faculty and other distinguished scholars. Lectures by philosophers from other institutions are also offered. There is an informal philosophy club that is open to all undergraduates, regardless of major. The department also holds a biannual symposium on a topic of current research in philosophy (when the budget allows).

We are now able to offer financial assistance to Philosophy majors planning to study abroad through our Wyatt Lee Martin Memorial Fund. Please contact the Department for information about this opportunity.

There is a chapter of the national philosophy honor society, Phi Sigma Tau, at UNC Greensboro. Qualified students are invited to join this chapter.

Each March the department considers submissions from undergraduates for the Roger Schwirck Award for Excellence in Philosophy.

**Professor**  
Gary Rosenkrantz<sup>G</sup>

**Associate Professor**  
Heather Joy Gert<sup>G</sup>  
Janine C. Jones<sup>G</sup>

**Assistant Professor**  
Jeffrey I Kaplan  
Insa Lawler<sup>G</sup>  
Derek John Skillings<sup>G</sup>

**Senior Lecturer**  
Richard L Jr. (Dr.) Gallimore  
Wade M. Maki  
Mike Barr Matteson  
Adam Mark Rosenfeld

## Lecturer

Jason Joseph Bowers  
Elliot J Goodine<sup>G</sup>  
Andrew Hamilton  
Chris Michael Metivier  
Adam Frederick Patterson

*G Graduate-level faculty*

- Philosophy, B.A. (p. 454)
- Medical Humanities Undergraduate Minor (p. 455)
- Philosophical Ethics Undergraduate Minor (p. 456)
- Philosophy Undergraduate Minor (p. 456)
- Philosophy Second Academic Concentration (p. 456)

## Philosophy, B.A.

Philosophy focuses on the most fundamental questions that human beings can ask: Is the human mind a physical thing? Does God exist? What actions are morally good? Philosophy majors produce answers to these questions based not on dogma, but on careful rational argument. This focus on reason and argumentation guarantees that students develop improved analytical skills, and this explains why undergraduate philosophy majors consistently score the highest on graduate school standardized tests, such as the LSAT and GRE.

The Prelaw concentration provides a strong preparation for law school through courses in logic, epistemology, ethics, political philosophy, and the philosophy of law. These courses cover a broad range of skills and knowledge that are of fundamental importance in the field of law.

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**The Philosophy, B.A. major and the Prelaw concentration are available in both traditional as well as online formats.**

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## Philosophy Course Groups

Code	Title	Credit Hours
<b>Ethics and Theory</b>		
PHI 119	Introduction to Ethics	
PHI 121	Contemporary Moral Problems	
PHI 220	Medical Ethics	
PHI 321	Ethical Theory	
PHI 322	Philosophy of the Arts	
PHI 331	Social and Political Philosophy	
PHI 335	Philosophy of Law	
<b>Logic Epistemology and Philosophy of Science</b>		
PHI 115	Critical Thinking	
PHI 310	Introduction to Formal Logic	
PHI 319	Knowledge, Truth, and Belief	
PHI 325	Introduction to the Philosophy of Science	
PHI 424	Philosophy of Social and Behavioral Science	
PHI 426	Philosophy of Physical Science	
PHI 474	Advanced Logic	
<b>History of Philosophy</b>		
PHI 341	History of Ancient Philosophy	
PHI 342	History of Modern Philosophy	

PHI 351	Major Philosophers
<b>Metaphysics</b>	
PHI 359	Philosophy of Religion
PHI 357	Metaphysics

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 27 credits in philosophy courses, including at least 21 credits at the 300 level or above.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
PHI 310	Introduction to Formal Logic	12
PHI 341	History of Ancient Philosophy	
PHI 342	History of Modern Philosophy	
PHI 494	Senior Capstone Course	

### Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Prelaw

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Prelaw Concentration Requirements

Code	Title	Credit Hours
<b>Required *</b>		
PHI 335	Philosophy of Law	9
<i>Select one from the following</i>		
PHI 319	Knowledge, Truth, and Belief	
PHI 325	Introduction to the Philosophy of Science	
<i>Select one from the following</i>		
PHI 321	Ethical Theory	
PHI 331	Social and Political Philosophy	
PHI 336	Philosophy of Crime and Punishment	
BLS 362	Vice, Crime, and American Law	

\* In addition to these requirements, the Philosophy department recommends that students who are looking for more courses that are good preparation for law school consider: PHI 115 (this one is particularly helpful), as well as PHI 224, PHI 355, and any special topics courses related to law.

## Disciplinary Honors in Philosophy

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		6
<b>3 credits of Honors course work in the major or another area</b>		3

### Recognition

Receive a Certificate of Disciplinary Honors in Philosophy; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Insa Lawler [irlawler@uncg.edu](mailto:irlawler@uncg.edu) for further information and guidance about Honors in Philosophy. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Medical Humanities Undergraduate Minor

## Program Requirements

- Minimum of 15 credit hours.

Code	Title	Credit Hours
<b>Required</b>		
PHI 399	Medical Humanities Capstone *	3
<b>Distribution Categories: **</b>		12
<b>Ethics:</b>		
<i>Select at least one course from the list below:</i>		
BLS 321	Narrative Ethics: Literary Texts and Moral Issues in Medicine	
PHI 220	Medical Ethics	
REL 241	Jewish Medical Ethics	
<i>Select at least one course from two of the following three Distribution Categories:</i>		
<b>History:</b>		
ATY 259	Pandemics, Plagues & Outbreaks	
CCI 329	Gates of Horn and Ivory: Dreaming in the Ancient World	
CCI 331	Cuts, Curses, and Cesareans: An Introduction to Ancient Medicine	
<b>Culture &amp; Politics:</b>		
ATY 459	Anthropology of Global Water, Sanitation and Hygiene (WASH)	
ATY 465	Medical Anthropology	
ATY 469	Anthropology of Infectious Disease	
PHI 225	Philosophy of Bodies	
REL 112	Spirituality, Health, and Wellness	

REL 224	Yoga: Theory And Practice	Select one additional course from Applied Ethics or Ethical Theory categories above	3
REL 249	Religion and Public Health		
SOC 323	Deviance and Social Control	Select 6 additional credits chosen from any PHI course	6
SOC 338	Sex and Society		
PSC 210	Introduction to Health Policies		
WGS 280	Women's Health and Bodies		

**Literature & Communication:**

CST 408	Health Communication
ENG 140	Literature, Health, & Wellness
ENG 240	Health and Wellness in Cultural Context
LLC 340	Topics: Languages for Professions

Select one additional course from any of the four listed Distribution Categories

- \* The Capstone course is open only to students who have completed the requirements for the Minor. With permission, students may take the Capstone concurrently while taking the last course to fulfill the distribution requirement. In this course each student will develop and present a project which makes use of material from courses taken in fulfillment of the Minor. The course will also include guest lectures on a variety of topics in Medical Humanities.
- \*\* With permission of the Director, students may substitute in appropriate courses not listed here.

## Philosophical Ethics Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours.

Code	Title	Credit Hours
<b>Required</b>		
PHI 321	Ethical Theory	3
<b>Applied Ethics *</b>		
Select one course from the following:		
PHI 121	Contemporary Moral Problems	
PHI 220	Medical Ethics	
PHI 222	Ethics in the Computer Age	
PHI 261	Ethical Issues in Business	
PHI 262	Ethical Issues in Entrepreneurship	
PHI 363	Environmental Ethics	
PHI 420	Advanced Topics in Biomedical Ethics	
<b>Ethical Theory *</b>		
Select one course from the following:		
PHI 119	Introduction to Ethics	
PHI 331	Social and Political Philosophy	
PHI 335	Philosophy of Law	
PHI 336	Philosophy of Crime and Punishment	
PHI 338	Ethics and International Affairs	
PHI 445	Social Philosophy	

Select one additional course from Applied Ethics or Ethical Theory categories above	3
Select 6 additional credits chosen from any PHI course	6

\* The following courses may be substituted for the three classes in Applied Ethics and Ethical Theory with the permission of both the instructor and the head of the Philosophy Department: PHI 301, PHI 351, PHI 402, PHI 494. Students should be aware that permission will be granted only when the course focuses primarily on ethics.

## Philosophy Undergraduate Minor Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		
PHI 341	History of Ancient Philosophy	6
PHI 342	History of Modern Philosophy	
<b>Select</b>		
12 credits chosen from any PHI course		

## Philosophy Second Academic Concentration

The second academic concentration in Philosophy is designed specifically for Elementary Education Majors.

### Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Core Courses</b>		
PHI 310	Introduction to Formal Logic	9
PHI 341	History of Ancient Philosophy	
PHI 342	History of Modern Philosophy	
<b>Upper Level Courses</b>		
Select 9 credits from PHI courses above the 200 level		

# Physics and Astronomy

*College of Arts and Sciences*

321 Petty Building

336-334-5844

<http://physics.uncg.edu>

**Edward Hellen**, Department Head

**Ian Beatty**, Director of Undergraduate Studies

Physics and astronomy have long been recognized as constituting the basis for study, research, and understanding in the natural sciences. The undergraduate major program seeks to provide the student with a broad and general background in all areas of physics. With this background, the student should be able to adapt readily to the specialized requirements of a job in industry or pursue graduate study in physics, engineering, and other related fields.

The faculty members are involved with students in research in observational astrophysics and spectroscopic analysis, computer simulation and computational physics, biophysics, and nuclear physics. The department manages the Three College Observatory, located in a nearby dark-sky location. This observatory contains a large (32 inch) reflecting telescope, along with a low light-level image acquisition system and a high resolution spectrograph.

The effort required for a non-scientist to understand our technological society is formidable, but essential if an educated person is to intelligently understand and affect our natural surroundings. Recognizing this, the Department of Physics and Astronomy offers for the non-major, with no prerequisites, courses with overviews of physics and astronomy.

## Non-Major Courses

Courses with no prerequisites that offer overviews of physics and astronomy.

Code	Title	Credit Hours
AST 233	Astronomy: The Solar System	
AST 235	Astronomy: Stars and Galaxies	
PHY 205	Conceptual Physics	
PHY 333	Selected Topics	

### Professor

Anatoly Miroshnichenko<sup>G</sup>

### Associate Professor

Ian D Beatty<sup>G</sup>

Edward H. Hellen<sup>G</sup>

Promod R. Pratap<sup>G</sup>

### Assistant Professor

Alicia N Aarnio

Ron Belmont

### Lecturer

Alan D Covell

**G** Graduate-level faculty

- Physics, B.A. (p. 457)
- Physics, B.S. (p. 458)

- Physics Undergraduate Minor (p. 459)
- Physics and Astronomy Second Academic Concentration (p. 459)

# Physics, B.A.

The Physics Major is a firm basis for a career in medicine, law, business, sales, engineering, teaching, computing, biophysics, environmental science, or physics.

Students who elect physics as a major must complete specific courses no later than the end of their sophomore year. Any student who desires to major in physics should contact the head of the department as soon as possible so a proper schedule can be planned.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 27 credits in Physics courses above the 100 level.
- Students must have at least a 2.0 GPA for the required Physics and Mathematics courses.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
	<b>Core Courses</b>	<b>27</b>
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
PHY 311	Intro to Experimental Methods	
PHY 321	Introduction to Modern Physics	
PHY 323	Mechanics	
PHY 325	Electricity and Magnetism I	
PHY 327	Thermal Physics	
PHY 351	Intro to Computational Physics	
PHY 401	Physics Senior Seminar	
	<b>Related Area Requirements</b>	<b>14</b>
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CSC 120	Introduction to Computer Programming for Non-Majors	
MAT 390	Ordinary Differential Equations	
	<b>Select one of the following Calculus Sequences:</b>	<b>12</b>
	<i>Sequence 1</i>	
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 394	Calculus IV	

**Sequence 2**

MAT 196	Calculus A
MAT 296	Calculus B
MAT 396	Calculus C

\* The courses listed must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.

† Counts toward GEC GNS requirement.

†† Counts toward GEC GMT requirement.

**Optional Concentration**

The optional concentration as detailed following the major requirements may be added, but is not required.

- Physics Major with Comprehensive Science High School Teaching Licensure

**Electives**

Electives sufficient to complete the 120 credit hours required for degree.

### **Physics Major with Comprehensive Science High School Teaching Licensure Concentration Requirements**

The Comprehensive Science High School Licensure (PHYS) program provides a strong background in physics as well as licensure for high school physics teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure</b>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
GES 103	Introduction to Earth Science	
<i>Select one of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	
<b>Required *</b>		<b>27</b>
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 401	Child and Adolescent Development and Learning	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 403	Teaching Multilingual Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	
<i>Recommended</i>		
LIS 120	Introduction to Instructional Technology for Educational Settings (strongly recommended)	

**Physics, B.S.**

The Physics Major is a firm basis for a career in medicine, law, business, sales, engineering, teaching, computing, biophysics, environmental science, or physics.

Students who elect physics as a major must complete specific courses no later than the end of their sophomore year. Any student who desires to major in physics should contact the head of the department as soon as possible so a proper schedule can be planned.

**Overall Requirements**

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 36 credits in Physics courses above the 100 level.
- Students must have at least a 2.0 GPA for the required Physics and Mathematics courses.

**Degree Program Requirements**

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

**Major Requirements**

Code	Title	Credit Hours
<b>Core Courses</b>		
PHY 291	General Physics I with Calculus	27
PHY 292	General Physics II with Calculus	
PHY 311	Intro to Experimental Methods	
PHY 321	Introduction to Modern Physics	
PHY 323	Mechanics	
PHY 325	Electricity and Magnetism I	
PHY 327	Thermal Physics	
PHY 351	Intro to Computational Physics	
PHY 401	Physics Senior Seminar	
<b>Additional Requirements</b>		
Select 9 credit hours of PHY courses at the 400 level.		
<b>Related Area Requirements</b>		
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	14
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CSC 120	Introduction to Computer Programming for Non-Majors	
MAT 390	Ordinary Differential Equations	
<b>Select one of the following Calculus Sequences:</b>		
12		

<b>Sequence 1</b>	
MAT 191	Calculus I
MAT 292	Calculus II
MAT 293	Calculus III
MAT 394	Calculus IV
<b>Sequence 2</b>	
MAT 196	Calculus A
MAT 296	Calculus B
MAT 396	Calculus C

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Physics Major with Comprehensive Science High School Teaching Licensure

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Physics Major with Comprehensive Science High School Teaching Licensure Concentration Requirements

The Comprehensive Science High School Licensure (PHYS) program provides a strong background in physics as well as licensure for high school physics teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure</b>		
BIO 111	Principles of Biology I	
BIO 112	Principles of Biology II	
GES 103	Introduction to Earth Science	
<i>Select one of the following:</i>		
GES 111	Physical Geology	
GES 205	Environmental Change: Its Nature and Impact	
GES 319	Weather and Climate	
GES 314	Physical Geography: Landscape Processes	
<i>Required *</i>		
TED 435	Literacy in the Content Area	
ERM 401	Assessment I: Accountability in Our Nation's Schools	
ERM 402	Assessment II: Standardized Tests	
ERM 403	Assessment III: Classroom Assessment	
TED 401	Child and Adolescent Development and Learning	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 403	Teaching Multilingual Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	
TED 459	Teaching Practices and Curriculum in Science	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	

<b>Recommended</b>	
LIS 120	Introduction to Instructional Technology for Educational Settings (strongly recommended)
* The courses listed must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See online Secondary Education Handbook for more information.	
† Counts toward GEC GNS requirement.	
†† Counts toward GEC GMT requirement.	

## Physics Undergraduate Minor Program Requirements

- Minimum of 15 credit hours

A minimum of 15 credits in physics courses is required for the minor in Physics, to be planned in consultation with a physics faculty member.

The usual physics minor program will consist of the components as listed below. Other quite different programs may be ed to the individual student's interests and objectives.

Code	Title	Credit Hours
<i>Select one of the following:</i>		
PHY 291 & PHY 292	General Physics I with Calculus and General Physics II with Calculus	
PHY 211 & PHY 212	General Physics I and General Physics II	
<i>Select at least 7 credits of additional courses *</i>		

\* May not include the following:

- AST 233
- AST 235
- PHY 205
- PHY 333

## Physics and Astronomy Second Academic Concentration

### Physics and Astronomy Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

The second academic concentration in Physics and Astronomy is designed specifically for Elementary Education and Special Education Majors.

#### Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		
PHY 205	Conceptual Physics	
AST 233	Astronomy: The Solar System	18

AST 235	Astronomy: Stars and Galaxies
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PHY 211	General Physics I
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or PHY 211A General Physics I	
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PHY 212	General Physics II
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or PHY 212A General Physics II	
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## **Physics and Astronomy Second Academic Concentration for Special Education: General Curriculum, B.S.**

The second academic concentration in Physics and Astronomy is designed specifically for Elementary Education and Special Education Majors.

### **Requirements**

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
PHY 205	Conceptual Physics	
AST 233	Astronomy: The Solar System	
AST 235	Astronomy: Stars and Galaxies	
PHY 211	General Physics I	
PHY 212	General Physics II	

# Political Science

*College of Arts and Sciences*

324 Curry Building  
336-334-5989  
<https://psc.uncg.edu>

**Gregory McAvoy**, *Department Head*

**Bill Crowther**, *Director of Graduate Studies*

**Hunter Bacot**, *Graduate Program Director*

Political science is the study of the government, politics and policies of the United States and other nations; of levels of government, such as city and state, within those nations; and of relationships among nations. It studies the political behavior, attitudes, and ideas of groups and individuals.

All 100- and 200-level courses are introductions to the study of political science. Beginning students are urged to take any 100- or 200-level course in which they may be interested.

Students seeking electives in political science may select from almost the entire range of offerings. Non-majors are urged to select their electives widely to satisfy individual intellectual interests and are not restricted to 100- and 200-level courses.

Internships and field experiences are available to both majors and non-majors in national government, nonprofit agencies, public administration, and electoral politics.

## Professor

Hunter Bacot

Bill E. Crowther<sup>G</sup>

Franklin D. Gilliam

Susan W. Johnson<sup>G</sup>

Fabrice Lehoucq<sup>G</sup>

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## Associate Professor

Allison Faye Bramwell<sup>G</sup>

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## Assistant Professor

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## Senior Lecturer

M. Jeffrey Colbert

A. Leigh Sink

## Lecturer

J. Alan Boyette<sup>G</sup>

Steven Marc Hayes

Elizabeth McNamara

Robert W. Saunders

Jamiah Kenyatta Waterman

*G Graduate-level faculty*

- Political Science, B.A. (p. 461)
- Civic Leadership and Engagement Undergraduate Minor (p. 464)
- Political Science Undergraduate Minor (p. 464)

- Political Science Second Academic Concentration (p. 464)
- Public Affairs, M.P.A. (p. 464)
- Nonprofit Management, Post-Baccalaureate Certificate (p. 466)
- Urban and Economic Development, Post-Baccalaureate Certificate (p. 467)

## Political Science, B.A.

The Political Science Major is suitable for students with career interests in law, politics, or governmental service (at local, state, or federal levels), as well as for students who have more general intellectual interests in government, politics, and international relations as part of their effort to obtain a liberal education or to prepare for careers in business or nonprofit work.

Students should take a broad variety of courses in the major to become familiar with the diversity of topics and methods used by contemporary political scientists throughout the world. Majors should consult early with their faculty advisors to plan programs most suitable to their individual interests and needs.

Students seeking teacher licensure should see School of Education Licensure Programs. Licensure in social studies is available for political science majors. Additional hours may be required for completion of the degree.

The American Politics concentration provides Political Science majors with sufficient breadth and depth of knowledge in American political institutions and behavior to give students the academic background necessary to succeed in related jobs and professions and to prepare them for advanced study in this field.

The Global Politics concentration provides Political Science majors sufficient breadth and depth of knowledge in international relations and comparative politics to give students the academic background necessary to succeed in related jobs and professions and to prepare them for advanced studies in these fields.

The Prelaw concentration is designed for political science majors with a strong interest in law. The concentration provides majors with a breadth and depth of knowledge of legal issues and legal research, rigorously prepares them for advanced studies in law, and trains them for the legal professions using a broad variety of skills relating to legal institutions and particular subject areas related to law.

The Public Affairs concentration provides Political Science majors sufficient breadth and depth of knowledge in public policy, public affairs, and public administration to give students the academic background necessary to succeed in related jobs and professions and to prepare them for advanced studies in these fields.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum of 30 credits in Political Science.
- Minimum of 18 credits in PSC courses at the 300 level or above.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Core Courses</b>		<b>12</b>
PSC 200	American Politics	
PSC 240	The International System	
PSC 260	Introduction to Comparative Politics	
PSC 301	Research Methods in Political Science	

## Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- American Politics
- Civic Leadership and Engagement
- Global Politics
- Prelaw
- Public Affairs
- Political Science with Social Studies High School Teaching Licensure

## Electives

Courses in other social sciences and in history are recommended. Electives sufficient to complete the 120 credit hours required for the degree must be taken.

### American Politics Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the American Politics concentration requires 12 credits selected from the courses listed below.

Code	Title	Credit Hours
<i>Select 12 credits from the following:</i>		
PSC 322	American State Politics	
PSC 327	American Political Parties	
PSC 328	North Carolina and Southern Politics	
PSC 329	American Interest Group Politics	
PSC 330	Internship in Campaigns and Elections	
PSC 332	Elections and Voting	
PSC 333	The U.S. Congress	
PSC 334	The American Presidency	
PSC 337	Politics and the Media	
PSC 355M	Selected Topics in Comparative Politics: Political Economy	
PSC 371	American Political Thought	

### Civic Leadership and Engagement Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Civic Leadership and Engagement concentration requires the items detailed below.

Code	Title	Credit Hours
<b>Required</b>		
PSC 370	Civic Leadership and Engagement	15
<i>Select 4 courses from the list below:</i>		
PSC 309	Entrepreneurship in the Public Sector	
PSC 311	The Nonprofit Sector and Governance	
PSC 323	Urban Politics	
PSC 325	Community Development	
PSC 330	Internship in Campaigns and Elections	
PSC 349	Human Rights and the Global Citizen	
PSC 399	Public Affairs Internship	
PSC 410	Topics in Public Policy	

### Global Politics Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Global Politics concentration requires 12 credits of course work selected from categories A and B listed below. The student must complete at least 3 credits in each category.

Code	Title	Credit Hours
<i>Select 12 credits, with at least 3 credits in each category, from the following:</i>		
<i>Category A:</i>		
PSC 341	International Law	
PSC 342	American Foreign Policy	
PSC 344	Politics of Globalization	
PSC 347	International Security	
PSC 348	International Organization	
<i>Category B:</i>		
PSC 350	Democratic Political Systems	
PSC 352	Nationalism and Ethnic Politics	
PSC 354	Post-Conflict Politics	
PSC 355D	Selected Topics in Comparative Politics: Politics of Industrial Societies	
PSC 355J	Selected Topics in Comparative Politics: Middle East Politics	
PSC 355K	Selected Topics in Comparative Politics: Russian Politics	
PSC 355M	Selected Topics in Comparative Politics: Political Economy	
PSC 355N	Selected Topics in Comparative Politics: European Union	
PSC 355P	Selected Topics in Comparative Politics: Politics of Latin America	
PSC 391	African Political Systems	
PSC 392	The Politics of South Africa Through Film and Literature	

## Prelaw Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Prelaw concentration requires the items detailed below.

Code	Title	Credit Hours
<b>Required</b>		
PSC 316	Judicial Process	12
<i>Select 9 credits of the following:</i>		
PSC 270	Introduction to Political Theory	
PSC 280	Introduction to Law	
PSC 312	Environmental Law and Policy	
PSC 313	Natural Resources Law and Policy	
PSC 318	Constitutional Law	
PSC 320	Civil Liberties	
PSC 333	The U.S. Congress	
PSC 334	The American Presidency	
PSC 336	Women and the Law	
PSC 375	Democracy and Its Critics	
PSC 341	International Law	
PSC 371	American Political Thought	

\* PSC 300 and PSC 399 qualify only when approved by the department as an appropriate prelaw-related course.

## Public Affairs Concentration Requirements

In partial fulfillment of the major requirement of 18 credits at the 300 level or higher, the Public Affairs concentration requires the completion of 12 credits with choices of courses in public policy, public administration, and public affairs as detailed below.

Code	Title	Credit Hours
<b>Select 12 credits from the following:</b>		
PSC 210	Introduction to Health Policies	12
PSC 310	Public Administration	
PSC 311	The Nonprofit Sector and Governance	
PSC 312	Environmental Law and Policy	
PSC 316	Judicial Process	
PSC 322	American State Politics	
PSC 323	Urban Politics	
PSC 329	American Interest Group Politics	
PSC 333	The U.S. Congress	
PSC 334	The American Presidency	
PSC 399	Public Affairs Internship	
PSC 355M	Selected Topics in Comparative Politics: Political Economy	

## Political Science with High School Teaching Licensure Concentration Requirements

The university, college, and departmental major requirements are the same as for any other political science major. Additional semester hours may be required for completion of the degree. Those intending to gain teacher licensure are encouraged to choose electives in Psychology, Sociology, Philosophy, Religious Studies, or Anthropology that address human behavior and experiences from complementary or, perhaps,

alternative perspectives. Completion of licensure will enable one who wishes to teach Social Studies curricula in the secondary schools to gain the background for teaching political science and related courses as well.

- Minimum of 45 credit hours in social studies beyond the requirements for the Political Science major

## Teacher Licensure Requirements

The courses listed below satisfy competencies for the Standard Professional I License in Secondary Social Studies.

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure</b>		
ECO 201	Principles of Microeconomics	45
or ECO 202	Principles of Macroeconomics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	
<i>Choose one additional 300-level history course.</i>		

The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.

TED 435	Literacy in the Content Area
ERM 405	Measurement and Assessment in Teaching
TED 444	Educational Psychology for the Secondary Grades
TED 445	Human Diversity, Teaching, and Learning
TED 453	Teaching Practices and Curriculum in Social Studies
TED 465	Student Teaching: Secondary School
TED 466	Student Teaching Seminar

## Disciplinary Honors in Political Science

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors requirement in Political Science
- Declared Political Science Major
- Minimum overall 3.30 GPA at graduation

Code	Title	Credit Hours
<b>Required</b>		
PSC 493	Honors Work	6-9
HSS 490	Senior Honors Project	
<b>Select 3 credits at the 200 level or above</b>		
<b>Select at least 3 credits at the 300 level or above</b>		

### Recognition

The designation "Completed Disciplinary Honors in Political Science" and the title of the Senior Honors Project will be printed on the student's official transcript.

**Honors Advisor**

See Honors Faculty liaison Jerry Pubantz for further information and guidance about Honors in Political Science.

## Civic Leadership and Engagement Undergraduate Minor Program Requirements

- Minimum of 15 credit hours.

Code	Title	Credit Hours
<b>Required</b>		<b>15</b>
PSC 370	Civic Leadership and Engagement	
<i>Select 12 credits of electives from the list below:</i>		
CST 200	Communication and Community	
CST 342	Communication and Public Relations: Strategies and Innovations	
CST 406	Speaking Out for Community Change	
CST 460	Special Topics in Communication Research	
PSC 309	Entrepreneurship in the Public Sector	
PSC 311	The Nonprofit Sector and Governance	
PSC 323	Urban Politics	
PSC 325	Community Development	
PSC 330	Internship in Campaigns and Elections	
PSC 349	Human Rights and the Global Citizen	
PSC 399	Public Affairs Internship	
PSC 410K	Topics in Public Policy: Ethics in Public Policy	
REL 249	Religion and Public Health	
REL 251	Topics in Religious Social Ethics	
SOC 326	The Community	
SOC 327	Race and Ethnic Relations	
SOC 344	Global Society	
WGS 250	An Introduction to Women's, Gender and Sexuality Studies	

## Political Science Undergraduate Minor

### Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
<b>Required</b>		
PSC 200	American Politics	
<i>A student may minor in political science by taking PSC 200, plus at least 12 credit hours of course work in political science at the 200 level or above.</i>		

The student should select courses to best suit intellectual and career interests, in consultation with a member of the Political Science faculty.

## Political Science Second Academic Concentration

The second academic concentration in Political Science is designed specifically for Elementary Education Majors.

### Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
PSC 105	Exploring Political Issues	
PSC 200	American Politics	
PSC 210	Introduction to Health Policies	
PSC 240	The International System	
PSC 260	Introduction to Comparative Politics	
PSC 270	Introduction to Political Theory	

## Public Affairs, M.P.A.

The Master of Public Affairs requires 40-43 credit hours and is intended for persons interested in public service careers in local, state, and federal agencies; private, nonprofit agencies and voluntary organizations; public affairs offices in private businesses; and legislative staff positions. It provides professional training designed to meet current demands in public service positions and build the foundation for long-term development and advancement in a public service career. The M.P.A. program is accredited by the Network of Schools of Public Policy, Affairs and Administration (NASPAA).

The program provides a foundation in the major substantive areas of public affairs: policy-making and policy analysis; administration, management and organizational behavior; quantitative analysis and evaluation; and the political context of public administration. Beyond these areas, students can declare a concentration (Community and Economic Development; Local Government Management; or Nonprofit Management) or take a mix of electives in the department and up to 9 credits in other departments (e.g., geography, conflict and peace studies, public health education).

Students with no work experience in public or nonprofit agencies must complete an additional 3-credit supervised internship, along with a field research project.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement.

## Degree Program Requirements

**Required:** 40-43 credit hours

### Core Courses

The eight required courses are to be taken in approximately the following order, when possible. Consult an advisor for specific sections of 511.

Code	Title	Credit Hours	Code	Title	Credit Hours
<b>Core Courses (23 credits)</b>					
PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1	PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1
PSC 600	Public Administration and Management	3	PSC 520	Urban Political System	3
PSC 601	Politics of Public Policy	3	PSC 620	Urban and Regional Development Policy	3
PSC 602	Quantitative Analysis and Program Evaluation	3	PSC 630	Community and Economic Development Theory and Practice	3
PSC 603 & 603L	Budgeting and Fiscal Administration and Budget Analysis Laboratory	4	GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
PSC 604	Public Personnel Management	3	or ENT 610		Sustainable Urban Planning in an Entrepreneurial Environment
PSC 612	Organizational Behavior and Leadership	3			
PSC 611	Program and Policy Evaluation	3			
<b>Electives (17 credits)</b>					
Select 17 credits from the following:		17	Select 5 credits of electives		
PSC 510	Topics in Public Policy				
PSC 511	Topics in Public Affairs				
PSC 520	Urban Political System				
PSC 540	Nonprofit Management and Leadership				
PSC 560	Special Topics in Public Administration				
PSC 613	Local Government Administration				
PSC 615	Human Resource Development and Performance Management				
PSC 620	Urban and Regional Development Policy				
PSC 630	Community and Economic Development Theory and Practice				
PSC 645	Nonprofit Financial Management and Budgeting				
PSC 650	Philanthropy and Resource Development				
<b>Total Credit Hours</b>		<b>40</b>			

\* Students may take up to 9 credits from approved graduate courses in other departments.

## Experiential Component

Students not having approved prior work experience will be required to take Applied Policy Research (PSC 694) or complete a supervised internship (PSC 695) in a public or nonprofit agency for 3-6 credits, depending on the duration of the placement, together with a directed field study (PSC 696). Students with prior work who desire experience in a new area of public affairs may choose to complete an applied policy analysis or internship as well.

## Comprehensive Examination (Capstone Experience)

The required exam consists of two parts:

1. A written essay examination (based on core courses) when halfway through the graduate program.
2. A summary of learning paper completed near the end of graduate work.

## Community and Economic Development Concentration

This concentration combines the M.P.A. core requirements with courses emphasizing the knowledge and skills to prepare students to work in organizations focusing on community and economic development activities. The prerequisite, comprehensive exam, and the experiential component are the same as for the M.P.A.

<b>Required Courses (13 credits)<sup>1</sup></b>					
PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1	PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1
PSC 520	Urban Political System	3	PSC 620	Urban and Regional Development Policy	3
PSC 630	Community and Economic Development Theory and Practice	3	GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
or ENT 610		Sustainable Urban Planning in an Entrepreneurial Environment			
<b>Electives (5 credits)</b>					
Select 5 credits of electives <sup>2</sup>					
<b>Internship (3-6 credits)</b>					
PSC 695	Public Affairs Internship <sup>3</sup>	3-6			
<b>Total Credit Hours</b>					

<sup>1</sup> Students must complete all of the M.P.A. core courses including the required research tools course. Students will need to consult with an advisor for specific section of 511. They must also complete 15 credits of course work related to community and economic development skills and knowledge.

<sup>2</sup> With the approval of the Graduate Program Director, students may select additional course work from political science or other departments, such as geography, sociology, business administration, or economics.

<sup>3</sup> An internship is required for students who have no prior experience in a professional or management position in community and economic development.

## Local Government Management Concentration

This concentration combines the M.P.A. core requirements with courses emphasizing the knowledge and skills to prepare students to work as local government managers. The prerequisite, comprehensive exam, and experiential component are the same as for the M.P.A.

Code	Title	Credit Hours
<b>Required Courses (6 credits)<sup>1</sup></b>		
PSC 520	Urban Political System	3
PSC 613	Local Government Administration	3
<b>Electives (11 credits)</b>		
Select 11 credits of electives <sup>2</sup>		
<b>Internship (3 credits)</b>		
PSC 695	Public Affairs Internship <sup>3</sup>	3
<b>Total Credit Hours</b>		

<sup>1</sup> Students must complete all of the M.P.A. core courses (23 credits), including the required research tools course. For the concentration, they must complete 6 credits of required course work related to local government management skills and knowledge.

<sup>2</sup> 9 of the elective credits together with the 6 credits of required concentration courses listed above complete a 15-credit concentration in local government management.

<sup>3</sup> An internship is required for students who have no prior experience in a professional or management position in a government agency.

## Electives

Recommended courses include:

Code	Title	Credit Hours
PSC 510K	Topics in Public Policy: Ethics in Public Policy	3
PSC 511	Topics in Public Affairs	1
PSC 560	Special Topics in Public Administration	1-3
PSC 630	Community and Economic Development Theory and Practice	3
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	3
or ENT 610	Sustainable Urban Planning in an Entrepreneurial Environment	

With the approval of the Graduate Program Director, students may select additional course work from political science or other departments, such as geography, sociology, business administration, or economics. Students will need to consult with an advisor on specific sections of 510, 511 and 560.

## Nonprofit Management Concentration

This concentration combines the M.P.A. core requirements with courses emphasizing the knowledge and skills to prepare students to work in or with the nonprofit sector. The prerequisite, comprehensive exam, and the experiential component are the same as for the M.P.A.

Code	Title	Credit Hours
<b>Required Courses (9 credits)<sup>1</sup></b>		
PSC 540	Nonprofit Management and Leadership	3
PSC 650	Philanthropy and Resource Development	3
Select three courses (3 credits) from the following:		
PSC 511B	Topics in Public Affairs: Marketing for Public and Nonprofit Agencies	
PSC 511D	Topics in Public Affairs: Strategic Planning	
PSC 511G	Topics in Public Affairs: Grant Writing	
PSC 511V	Topics in Public Affairs: Volunteer Management	
<b>Electives (9 credits)</b>		
Select 9 credits of electives <sup>2</sup>		9
<b>Internship</b>		
PSC 695	Public Affairs Internship <sup>3</sup>	3
<b>Total Credit Hours</b>		<b>21</b>

<sup>1</sup> Students must complete all but one of the M.P.A. core courses. The research tools requirement in the M.P.A. core will be met by PSC 611 Program and Policy Evaluation. They must also complete 15 credits of course work related to nonprofit management skills and knowledge.

<sup>2</sup> With the approval of the Graduate Program Director, students may select courses from political science or in other departments, such as social work, gerontology, or sociology.

<sup>3</sup> An internship is required for students who have no prior experience in a professional or management position in a nonprofit agency.

## M.P.A. with Post-Baccalaureate Certificate in Gerontology

Students with an interest in public service work related to the elderly and meeting the needs of an aging society may complete elective course work in the M.P.A. degree by jointly completing the Post-Baccalaureate Certificate in Gerontology.

## Accelerated B.A. or B.S. to M.P.A. in Public Affairs

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in Public Affairs. In addition to the regular admissions requirements for the M.P.A. program, AMP applicants must have a cumulative undergraduate GPA of at least 3.5 in a related major based on at least 30 credits earned at UNC Greensboro. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of their junior year. Applicants are not required to take the GRE. All applicants must complete the Accelerated Master's Program information along with their application for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements. These courses must be approved by the Graduate Program Director from the following list.

Code	Title	Credit Hours
PSC 511	Topics in Public Affairs	1
PSC 511J	Topics in Public Affairs: Legal Issues in Public Administration	1
PSC 510K	Topics in Public Policy: Ethics in Public Policy	3
PSC 511N	Topics in Public Affairs: Nonprofit Law	1
PSC 520	Urban Political System	3
PSC 540	Nonprofit Management and Leadership	3
PSC 600	Public Administration and Management	3
PSC 601	Politics of Public Policy	3
PSC 602	Quantitative Analysis and Program Evaluation	3
PSC 603	Budgeting and Fiscal Administration	3

Please consult with your advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the undergraduate major and the M.P.A. degree remain the same.

## Nonprofit Management, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Nonprofit Management requires 15 credit hours and is designed to meet the training needs of nonprofit professionals. Certificate graduates will be prepared for management positions in the nonprofit sector, including positions in human service agencies, foundations, or professional associations. The certificate program may be useful to government and business professionals who have significant voluntary or nonprofit agency responsibilities.

The program combines core courses and electives that allow a student some tailoring to specific interests with courses available online and/or on campus. At least 12 credits must be taken in the M.P.A. curriculum. A portfolio demonstrating skills and competencies acquired through course work in the program must be submitted and approved for completion of the certificate. If the portfolio is judged unacceptable, no more than one additional attempt to satisfy the requirement is permitted. If the student fails to meet the department's minimum criteria for the portfolio on the second attempt, The Graduate School will be notified and will send the student a letter of dismissal.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement and a resume.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Core Requirements (9 credits)</b>		
PSC 540	Nonprofit Management and Leadership	3
PSC 645	Nonprofit Financial Management and Budgeting	3
PSC 650	Philanthropy and Resource Development	3
<b>Choice Requirements (3 credits)</b>		
Select three courses (3 credits) from the following:		3
PSC 511B	Topics in Public Affairs: Marketing for Public and Nonprofit Agencies	
PSC 511D	Topics in Public Affairs: Strategic Planning	
PSC 511G	Topics in Public Affairs: Grant Writing	
PSC 511N	Topics in Public Affairs: Nonprofit Law	
PSC 511V	Topics in Public Affairs: Volunteer Management	
<b>Electives</b>		
Select 3 credits of electives		3
<b>Total Credit Hours</b>		<b>15</b>

### Electives

Students must take 3 credits in a combination of 1 credit courses (PSC 511 Topics in Public Affairs): strategic planning, marketing, legislative relations, volunteer management, media relations, oral communication skills, grant writing, nonprofit law; and/or a 3 credit course from the M.P.A. curriculum or approved courses outside the department in human development and family studies, social work, public health, business administration, and/or counseling, etc.

## Urban and Economic Development, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Urban and Economic Development requires 15 credit hours and a capstone project. It is designed to meet the professional development training needs of those currently working in or planning to work in urban planning or community and economic development.

This certificate requires courses emphasizing the knowledge and skills to prepare students to work in organizations focusing on urban planning

and community economic development activities in government and nonprofit organizations.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Core Course (3 credits)</b>		
PSC 520	Urban Political System	3
<b>Required Electives (6 credits)</b>		
Select two courses (6 credits) from the following:		6
PSC 613	Local Government Administration	
PSC 620	Urban and Regional Development Policy	
PSC 630	Community and Economic Development Theory and Practice	
ENT 610	Sustainable Urban Planning in an Entrepreneurial Environment	
ENT 630	Researching Opportunities in Entrepreneurship and Economic Development	
GES 602	Sustainable Urban Planning in an Entrepreneurial Environment	
GES 605	Sustainable Regional Planning	
GES 632	Geography of Livable Cities	
<b>Concentration Electives (6 credits)</b>		
Select 6 credits from the following:		6
PSC 503	Survey Methods for Policy Research	
PSC 510	Topics in Public Policy	
PSC 511D	Topics in Public Affairs: Strategic Planning	
PSC 511G	Topics in Public Affairs: Grant Writing	
PSC 511P	Topics in Public Affairs: Program Evaluation	
CST 605	Communicating for Social Change	
CTR 646	Community Development	
ECO 631	Applied Policy Methods	
GES 603	Understanding Geographic Information Systems	
GES 622	GIS Applications in Urban Planning	
GRO 570	Social Services for the Aging	
GRO 631	Planning and Evaluation for Professionals in Aging	
PCS 605	Skills and Techniques of Conflict Management	
PCS 647	Facilitation, Mediation, and Negotiation	
SOC 636	Seminar in Social Inequalities: Theory and Research	
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	
<b>Total Credit Hours</b>		<b>15</b>

### Capstone Requirement

Students will cumulatively synthesize learned competencies acquired during the Urban and Economic Development certificate program. The capstone project will be based on assignments and project work from all

course work completed during program but will be tailored to individual professional objectives. Students will submit their capstone project to the Urban and Economic Development Certificate Coordinator in the semester in which they apply to graduate.

# Psychology

College of Arts and Sciences

296 Eberhart Building  
336-334-5013  
<https://psy.uncg.edu>

**Gabriela Livas Stein, Department Head**

**Suzanne Vrshek-Schallhorn, Undergraduate Program Director**  
**Ethan Zell, Graduate Program Director**

The Department of Psychology approaches its subject matter as a scientific discipline with emphasis placed on understanding behavior, cognition, and emotion through experimentation and observation.

We offer broad training in psychology that can prepare students for the working world and graduate training in most major branches of psychology, including clinical psychology, cognitive psychology, cultural psychology, social psychology, personality psychology, developmental psychology, biological psychology, and quantitative and research skills.

At both the undergraduate and graduate levels, the major objectives of the curriculum include:

1. To provide an understanding of the use of scientific methodology in psychological research at both intermediate and advanced levels. This understanding will include a familiarity with the design of observational, survey, and experimental studies; principles of inference from scientific data; the logic of statistical testing; and the scientific literature.
2. To provide knowledge in primary areas of the discipline and how they interconnect to explain behavior through an array of required intermediate-level core courses.
3. To develop depth of understanding in areas of the discipline specific to students' individual interests.
4. To ensure that students can write clearly and effectively in an appropriate professional style.
5. To provide the combination of a sound scholarly foundation with methodological and practical skills that will enable the student to function in a variety of academic, research, and service settings.

## Teacher Licensure

Undergraduate students who wish to seek teacher licensure should see School of Education Initial Licensure Programs (p. 653) as well as below. Such persons should contact the departmental Undergraduate Program Director as early as possible.

## Graduate Training Programs

The Psychology Department offers two graduate training tracks—a terminal M.A. in general experimental psychology and a Ph.D. in psychology with specializations in clinical and experimental (e.g., cognitive, developmental, and social) psychology. Students may apply to either or both tracks. The M.A. degree is earned as part of the doctoral programs. The clinical program has been continuously accredited by the American Psychological Association since its initial accreditation in 1982. The next site visit is in 2023.

The goal of the terminal M.A. program is the conferral of the Master of Arts degree. Those who successfully complete the terminal M.A., however, may apply to the Ph.D. program. In addition, students with

master's degrees from other institutions are welcome to apply to the Ph.D. program.

The Psychology Department has additional policies and procedures that are described in the Psychology Graduate Student Handbooks, which are accessible from the Graduate Program Overview (<https://psy.uncg.edu/graduate/graduate-overview/>) page.

The graduate program has four major areas of concentration:

- Clinical (Eddington, Fields-Olivieri, Jensen, Keane, Mendez Smith, Nelson-Gray, Stein, Vrshek-Schallhorn, and Wisco)—includes research training and clinical training in a variety of service settings.
- Cognitive (Delaney, Kane, Marcovitch, Touron, Wahlheim, and Wiley)—includes basic research in human memory, attention, cognition, and language.
- Developmental (Boseovski, DeJesus, Keane, Marcovitch, Touron, and Wahlheim)—includes basic research in behavioral, cognitive, language, and social development in infant, child, adolescent, and adult humans and in animals.
- Social (Baker, Boseovski, Cassidy, Silvia, and Zell)—includes basic research in social phenomena, e.g., aggression, attitudes, communication, gender relations, intergroup comparison, and social competence.

## Professor

Janet J. Boseovski<sup>G</sup>

Peter Delaney<sup>G</sup>

Kari Merrill Eddington<sup>G</sup>

Rosemary N. Gray<sup>G</sup>

Michael J. Kane, Professor and Nicholas A. Vacc and Nance N. Vacc Distinguished Professor<sup>G</sup>

Susan P. Keane<sup>G</sup>

Stuart Marcovitch<sup>G</sup>

Terri L. Shelton, Carol Jenkins Mattocks Distinguished Professor<sup>G</sup>

Paul Silvia, Professor/Lucy Spinks Keker Excellence Professor<sup>G</sup>

Julie M Smith<sup>G</sup>

## Associate Professor

Levi R Baker<sup>G</sup>

Douglas W. Levine<sup>G</sup>

Suzanne Vrshek-Schallhorn<sup>G</sup>

Christopher N Wahlheim<sup>G</sup>

Blair E Wisco<sup>G</sup>

Ethan Zell<sup>G</sup>

## Assistant Professor

Brittany S Cassidy<sup>G</sup>

Jasmine Marie DeJesus<sup>G</sup>

Margaret A. Fields-Olivieri<sup>G</sup>

Michaeline Rae Jensen<sup>G</sup>

Robert W Wiley<sup>G</sup>

## Academic Professional Assistant Professor

Ilana S Berman

## Senior Lecturer

Ashleigh H Gallagher

## Lecturer

Jessica Stark Caporaso

Yoojin Chang

Pamela R. Ladrow

Adena T Rottenstein

G *Graduate-level faculty*

- Psychology, B.A. (p. 471)
- Psychology, B.S. (p. 472)
- Psychology Undergraduate Minor (p. 473)
- Psychology Second Academic Concentration (p. 473)
- Psychology, M.A. (p. 474)
- Psychology, M.A./Ph.D. (p. 474)
- Psychology, Ph.D. (p. 476)

## Psychology, B.A.

The Psychology Major provides a background for entry into a variety of professions other than psychology where understanding the principles of behavior and cognition is important. It also provides the necessary background for individuals planning to do graduate work in either basic or applied psychology.

The curriculum provides students with a structured, sequenced exposure to six core areas in psychology. These are: behavior analysis; biopsychology; clinical psychology; cognitive psychology; development psychology; and, social psychology. Majors must sample from at least four domains at the intermediate (200) level, but can choose a narrower or broader sampling of upper level courses. The curriculum also affords hands-on experience with scientific psychology via laboratory courses and field experiences.

The Psychology Major for the Bachelor of Science degree serves students who want additional training in science, math, statistics, and research methods relative to the Bachelor of Arts degree.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum 37 credits in Psychology.
- Students must earn a grade of at least C- in all Psychology courses required for the major.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
PSY 121	General Psychology	
PSY 122	Careers and College Success in Psychology	
<b>Intermediate-level Core Courses</b>		<b>12</b>
<i>Select four from the following:</i>		
PSY 230	Biological Psychology	
PSY 240	Principles of Learning	
PSY 250	Developmental Psychology	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 275	Introduction to Clinical Psychology	
PSY 280	Cognitive Psychology	
<b>Math Prerequisite *</b>		<b>3-4</b>
<i>Select one from the following:</i>		
STA 108	Elementary Introduction to Probability and Statistics	
MAT 115	College Algebra	
MAT 150	Precalculus I	
MAT 151	Precalculus II	

MAT 183	Mathematics for the Life Sciences	
MAT 190	Precalculus	
MAT 191	Calculus I	
MAT 196	Calculus A	
RCO 114	Elementary Introduction to Probability and Statistics	
RCO 115	College Algebra	
<b>Required</b>		<b>7</b>
PSY 211	Statistics in Behavioral Science Research	
PSY 311 & 311L	Research Methods in Psychology and Research Methods in Psychology: Lab	
<b>Upper-level Courses</b>		<b>12</b>
<i>Select a minimum of four additional PSY courses at the 300 level or above</i>		

\* With a minimum grade of C- required for PSY 211 prerequisite.

\*\* Must include at least two courses at the 400 level or above.

PSY 433 may not be used to fulfill this requirement.

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Psychology with Social Studies High School Teaching Licensure

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Psychology with Social Studies High School Teaching Licensure Concentration Requirements

The university, college, and departmental major requirements are the same as for any other psychology major. Additional semester hours may be required for completion of the degree. Those intending to gain teacher licensure are encouraged to choose electives in Sociology, Philosophy, Religious Studies, or Anthropology that address human behavior and experiences from complementary or, perhaps, alternative perspectives. Completion of licensure will enable one who wishes to teach Social Studies curricula in the secondary schools to gain the background for teaching psychology courses as well.

### Teacher Licensure Requirements

The courses listed below satisfy competencies for the Standard Professional I License in Secondary Social Studies.

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure</b>		<b>45</b>
ECO 201 or ECO 202	Principles of Microeconomics or Principles of Macroeconomics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	

*Choose one additional 300-level history course.*

The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.

TED 435	Literacy in the Content Area
ERM 405	Measurement and Assessment in Teaching
TED 444	Educational Psychology for the Secondary Grades
TED 445	Human Diversity, Teaching, and Learning
TED 453	Teaching Practices and Curriculum in Social Studies
TED 465	Student Teaching: Secondary School
TED 466	Student Teaching Seminar

## Disciplinary Honors in Psychology

### Requirements

- At least 12 credit hours in psychology as detailed below.
- 3.30 or greater cumulative GPA at graduation
- 3.30 or greater GPA in Psychology
- A declared Psychology Major

Code	Title	Credit Hours
<b>Select 6 credits from the following:</b>		
PSY 401	Academic Writing in Psychology	6
PSY 410	Intermediate Psychological Statistics	
PSY 495	Senior Honors Seminar	
PSY 415	History and Systems of Psychology	
PSY 419	Special Topics in Psychology *	
<b>Both courses below in the order listed</b>		
PSY 493	Honors Independent Study	6
HSS 490	Senior Honors Project	

\* These courses may be taken more than once for credit to satisfy this requirement.

### Recognition

The designation "Completed Disciplinary Honors in Psychology" and the title of the Senior Honors Project will be printed on the student's official transcript.

### Honors Advisor

Contact Janrt Boseovski at jjboseov@uncg.edu for further information and guidance about Honors in Psychology.

## Psychology, B.S.

The Psychology Major provides a background for entry into a variety of professions other than psychology where understanding the principles of behavior and cognition is important. It also provides the necessary background for individuals planning to do graduate work in either basic or applied psychology.

The curriculum provides students with a structured, sequenced exposure to six core areas in psychology. These are: behavior analysis; biopsychology; clinical psychology; cognitive psychology; development psychology; and, social psychology. Majors must sample from at least four domains at the intermediate (200) level, but can choose a narrower or broader sampling of upper level courses. The curriculum also affords

hands-on experience with scientific psychology via laboratory courses and field experiences.

The Psychology Major for the Bachelor of Science degree serves students who want additional training in science, math, statistics, and research methods relative to the Bachelor of Arts degree.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum 46 credits in Psychology.
- Students must earn a grade of at least C- in all Psychology courses required for the major.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements (MAC) (p. )		
College of Arts and Sciences Additional Requirements (CIC) (p. 299)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
PSY 121	General Psychology	6
PSY 122	Careers and College Success in Psychology	
<b>Intermediate-level Core Courses</b>		
Select four from the following:		
PSY 230	Biological Psychology	
PSY 240	Principles of Learning	
PSY 250	Developmental Psychology	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 275	Introduction to Clinical Psychology	
PSY 280	Cognitive Psychology	
<b>Math Prerequisite *</b>		
Select one from the following:		
STA 108	Elementary Introduction to Probability and Statistics	3-4
MAT 115	College Algebra	
MAT 150	Precalculus I	
MAT 151	Precalculus II	
MAT 183	Mathematics for the Life Sciences	
MAT 190	Precalculus	
MAT 191	Calculus I	
MAT 196	Calculus A	
RCO 114	Elementary Introduction to Probability and Statistics	
RCO 115	College Algebra	
<b>Required</b>		
PSY 211	Statistics in Behavioral Science Research	7
PSY 311	Research Methods in Psychology	
& 311L	and Research Methods in Psychology: Lab	
<b>Upper-level Courses</b>		

Select a minimum of four additional PSY courses at the 300 level or above. **	9
Select two courses in PSY at the 400 level or above in addition to the following: <sup>1</sup>	9

PSY 410 Intermediate Psychological Statistics

- \* With a minimum grade of C- required for PSY 211 prerequisite.
- \*\* Must include at least two courses at the 400 level or above.
- PSY 433 may not be used to fulfill this requirement.
- <sup>1</sup> PSY 433 may count for a maximum of 3 credits.

## Related Area Requirements

- Two courses in math or science with a minimum grade of C- at or above 200 level from the list of prefixes below.
- Courses that carry a MAC competency designation may not be used to meet this requirement.
- Students may request during course advising that a course that is not listed below be counted (e.g., a transfer course in math or science that was not equated to one of the courses below, or an experimental course that is not usually offered).

- ATY 200-499
- ARC 200-499
- BIO 200-499
- CHE 200-499
- CSC 200-499
- ECO 200-499
- GES 200-499
- KIN 200-499
- MAT 200-499
- NTR 200-499
- PHY 200-499
- PSC 200-499
- SOC 200-499
- STA 200-499

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Disciplinary Honors in Psychology

#### Requirements

- At least 12 credit hours in psychology as detailed below.
- 3.30 or greater cumulative GPA at graduation
- 3.30 or greater GPA in Psychology
- A declared Psychology Major

Code	Title	Credit Hours
<b>Select 6 credits from the following:</b>		
PSY 401	Academic Writing in Psychology	6
PSY 410	Intermediate Psychological Statistics	6
PSY 495	Senior Honors Seminar	6

PSY 415	History and Systems of Psychology	6
PSY 419	Special Topics in Psychology *	6
<b>Both courses below in the order listed</b>		
PSY 493	Honors Independent Study	6
HSS 490	Senior Honors Project	6

\* These courses may be taken more than once for credit to satisfy this requirement.

### Recognition

The designation "Completed Disciplinary Honors in Psychology" and the title of the Senior Honors Project will be printed on the student's official transcript.

### Honors Advisor

Contact Janrt Boseovski at [jboseov@uncg.edu](mailto:jboseov@uncg.edu) for further information and guidance about Honors in Psychology.

## Psychology Undergraduate Minor

The psychology minor complements study in a wide range of fields including anthropology, biology, business and marketing, community and therapeutic recreation, computer science, human development, mathematics, sociology, social work, exercise and sport science, education and counseling, and nursing.

## Program Requirements

- 18 credit hours

A grade of C- or better in all psychology courses required for the minor.

Code	Title	Credit Hours
<b>Required</b>		
PSY 121	General Psychology	3
<b>Select a minimum of two psychology courses at the 200 level</b>		
<b>Select one psychology course at the 300 level or above *</b>		
<b>Select any two additional psychology courses *</b>		

\* Excluding PSY 433

## Psychology Second Academic Concentration

### Psychology Second Academic Concentration for Elementary Education with K-6 Teacher Licensure, B.S.

This second academic concentration in Psychology is designed specifically for Elementary Education and Physical Education Teacher Education students.

#### Requirements

- Minimum of 18 credit hours
- Three courses in PSY at the 200 level
- A minimum of three courses in PSY at the 300 level or above, including at least one course at the 400 level or above

**Qualified**

The course listed below may not be used to satisfy requirements for the concentration in Psychology.

Code	Title	Credit Hours
PSY 433	Research Experience in Psychology	

## Psychology Second Academic Concentration for Physical Education and Health Teacher Education with K-12 Teacher Licensure, B.S.

This second academic concentration in Psychology is designed specifically for Elementary Education and Physical Education Teacher Education students.

**Requirements**

- Minimum of 18 credit hours
- Three courses in PSY at the 200 level
- A minimum of three courses in PSY at the 300 level or above, including at least one course at the 400 level or above

**Qualified**

The course listed below may not be used to satisfy requirements for the concentration in Psychology.

Code	Title	Credit Hours
PSY 433	Research Experience in Psychology	

## Psychology, M.A.

### General Experimental Psychology Concentration

The terminal M.A. in Psychology with a concentration in General Experimental Psychology requires 36 credit hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

For information on the application and admission, please see <https://psy.uncg.edu/graduate/admissions/>.

## Degree Program Requirements

**Required:** 36 credit hours

Degree requirements for students in the terminal M.A. program in Psychology with a concentration in General Experimental Psychology are identical to those for students in the M.A. Doctoral Track (a M.A. to Ph.D. program) in Psychology with a Cognitive, Developmental, Social, or General Experimental concentration, with one exception: For students in M.A. Doctoral Track programs, only courses with grades of B or better may count toward the M.A. degree. Grades below B in courses to be counted toward the M.A. degree must be replaced either by re-taking the same course or by earning a grade of B or better in another course that the Department Head formally determines to be an equivalent course (upon consultation with the instructor(s) of the course in the Psychology Department).

Code	Title	Credit Hours
<b>Research Practicum (3 credits)</b>		
PSY 605	First Year Research Practicum	3
<b>Core Courses (6 credits)</b>		
PSY 630	Proseminar in Experimental Psychology I	3
PSY 631	Proseminar in Experimental Psychology II	3
<b>Statistics and Methodology (11 credits)</b>		
PSY 609	Statistical Methods in Psychology I	4
PSY 610	Statistical Methods in Psychology II	4
PSY 624	Research Methods in Psychology	3
<b>Additional Courses (10 credits)</b>		
Select 10 credits from 600-level psychology courses or graduate-level courses in other departments*		10
<b>Thesis (6 credits)</b>		
PSY 699	Thesis	6
<b>Total Credit Hours</b>		<b>36</b>

\* Courses selected from other departments require the permission of the Graduate Program Director.

## Psychology, M.A./Ph.D.

### Clinical Psychology Concentration

Clinical students in the M.A./Ph.D. track are required to satisfy all requirements for the M.A. degree in clinical psychology as well as all requirements for the Ph.D. degree. A minimum of 45 credit hours is required for the M.A. The Ph.D. in Clinical Psychology requires 105 credit hours including internship hours (2 credits). All credits taken to satisfy the M.A. degree may be applied toward the Ph.D. degree requirements.

Students who receive an M.A. in Clinical Psychology from another institution will submit syllabi, thesis document, and other materials for review. The students will work closely with their advisor and the Director of Clinical Training to develop their doctoral plan of study. All courses taken at another institution are reviewed for course equivalence with our required courses. If deemed equivalent, the course requirement is waived. In addition, the thesis is reviewed by a committee of three faculty, and, if viewed as comparable in scope and theoretical focus to the UNC Greensboro thesis requirement, no additional thesis work will be required.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

For information on the application and admission, please see <https://psy.uncg.edu/graduate/admissions/>.

It is important to note that the department does not accept students who seek a terminal M.A. degree in Clinical Psychology, only those seeking a Ph.D.

For clinical program students, course grades lower than a B cannot count toward either the M.A. degree or Ph.D. degree; these courses must be re-taken, or substitute courses taken. Course equivalents are decided according to departmental policy, which varies by course category (e.g. tools courses vs. clinical courses).

## M.A. Degree Program Requirements

**Required:** 45 credit hours

Code	Title	Credit Hours	Code	Title	Credit Hours			
<b>Research and Quantitative Analysis (17 credits)</b>								
PSY 609	Statistical Methods in Psychology I	4	PSY 735C	Contemporary Problems				
PSY 610	Statistical Methods in Psychology II	4	or PSY 735D Contemporary Problems					
PSY 624	Research Methods in Psychology	3	or PSY 735I Contemporary Problems					
PSY 699	Thesis <sup>1</sup>	6	or PSY 735J Contemporary Problems					
or PSY 698	Capstone Examination in Clinical Psychology		or PSY 735S Contemporary Problems					
<b>History and Systems of Psychology (1 credit)</b>								
PSY 601	Graduate Problems in Psychology <sup>2</sup>	1	GRO 621	Health and Aging				
<b>Profession-Wide Competencies (18 credits)</b>								
PSY 707	Psychological Disorders in Children	3	HEA 662	Gender and Health				
PSY 708	Psychological Disorders in Adults	3	HDF 713	Social and Emotional Development				
PSY 723	Evidence-based Practice with Children and Adolescents	3	<b>Additional Profession-Wide Competencies Required for the Ph.D. (9 credits)</b>					
PSY 725	Psychological Assessment in Adults	3	PSY 724	Ethical Responsibilities of Clinical Psychologists	3			
PSY 727	Theory and Methods of Behavioral Assessment and Therapy	3	PSY 735J	Contemporary Problems	3			
PSY 728	Theory and Methods of Intellectual Assessment	3	PSY 745	Multicultural Issues in Clinical Psychology	3			
<b>Clinical Practicum Training (9 credits)</b>								
PSY 741	Contemporary Topics in Clinical Practice <sup>3,4</sup>	3	<b>Additional Quantitative Course/Seminar Requirement for the Ph.D. (6 credits)</b>					
PSY 742	Practicum in Clinical Intervention <sup>3,4</sup>	6	Select 6 credits, including at least 3 credits from the following: <sup>2</sup>					
<b>Total Credit Hours</b>	<b>45</b>		ERM 731	Structural Equation Modeling in Education				
			ERM 732	Hierarchical Linear Modeling				
			ERM 782	Multivariate Analysis				
			ERM 785	R for Education and the Social Sciences				
<b>Additional Ph.D. Research Requirements (21 credits)</b>								
PSY 751	Independent Doctoral Research		PSY 751	Independent Doctoral Research	6			
PSY 761	Preliminary Examination: Integration Across at Least Two Areas Within Psychology		PSY 761	Preliminary Examination: Integration Across at Least Two Areas Within Psychology	3			
PSY 799	Doctoral Dissertation Research		PSY 799	Doctoral Dissertation Research	12-24			
<b>Ph.D. Clinical Practicum Training (16 credits)</b>								
PSY 741	Contemporary Topics in Clinical Practice <sup>3</sup>		PSY 741	Contemporary Topics in Clinical Practice <sup>3</sup>	4			
PSY 742	Practicum in Clinical Intervention <sup>4</sup>		PSY 742	Practicum in Clinical Intervention <sup>4</sup>	6			
PSY 762	Advanced Practicum in Clinical Psychology		PSY 762	Advanced Practicum in Clinical Psychology	6			
<b>Required Internship Training (2 credits)</b>								
PSY 763	Internship in Clinical Psychology <sup>5</sup>		PSY 763	Internship in Clinical Psychology <sup>5</sup>	2			
<b>Total Credit Hours</b>	<b>60</b>							

<sup>1</sup> Only students who enter the program with a previously-earned master's degree in psychology that included a thesis project may select PSY 698. All other students must select PSY 699.

<sup>2</sup> Academic transcript must list this course as "Historical Perspectives on Psychology as a Science" for licensure / accreditation.

<sup>3</sup> 1 credit must be taken in each of the three semesters beginning in the Spring semester of Year 1.

<sup>4</sup> Topics include: Case Conceptualization, Supervision, Diversity, and Consultation.

## Students Entering with a Master's Degree (with Thesis)

Entering students who have completed a master's degree in psychology at another institution that included a thesis project but did not involve any practicum training may elect to complete PSY 698 Capstone Examination in Clinical Psychology as their capstone experience.

Students will form a clinical comprehensive examination committee and engage in independent applied scholarly work, culminating in a formal and in-depth presentation and discussion of a clinical case they have conducted as part of their master's training. They will receive evaluative feedback regarding their competencies from the clinical faculty on their committee. This option is only offered to students with an equivalent master's thesis project from their prior institution. The student's thesis document will be reviewed and approved by a panel of three UNCG Psychology Department faculty and the Graduate Program Director.

## Ph.D. Degree Program Requirements

**Required:** 105 credit hours

In addition to the M.A. requirements (45 credits), students must complete the following 60 credits:

Code	Title	Credit Hours
<b>Discipline Specific Knowledge (Basic and Advanced Integrative) (6 credits)</b>		
Select two courses (6 credits) from the following: <sup>1</sup>		6
PSY 735C	Contemporary Problems	
or PSY 735D Contemporary Problems		
or PSY 735I Contemporary Problems		
or PSY 735J Contemporary Problems		
or PSY 735S Contemporary Problems		
GRO 621	Health and Aging	
HEA 662	Gender and Health	
HDF 713	Social and Emotional Development	
<b>Additional Profession-Wide Competencies Required for the Ph.D. (9 credits)</b>		
PSY 724	Ethical Responsibilities of Clinical Psychologists	3
PSY 735J	Contemporary Problems	3
PSY 745	Multicultural Issues in Clinical Psychology	3
<b>Additional Quantitative Course/Seminar Requirement for the Ph.D. (6 credits)</b>		
Select 6 credits, including at least 3 credits from the following: <sup>2</sup>		6
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 782	Multivariate Analysis	
ERM 785	R for Education and the Social Sciences	
<b>Additional Ph.D. Research Requirements (21 credits)</b>		
PSY 751	Independent Doctoral Research	6
PSY 761	Preliminary Examination: Integration Across at Least Two Areas Within Psychology	3
PSY 799	Doctoral Dissertation Research	12-24
<b>Ph.D. Clinical Practicum Training (16 credits)</b>		
PSY 741	Contemporary Topics in Clinical Practice <sup>3</sup>	4
PSY 742	Practicum in Clinical Intervention <sup>4</sup>	6
PSY 762	Advanced Practicum in Clinical Psychology	6
<b>Required Internship Training (2 credits)</b>		
PSY 763	Internship in Clinical Psychology <sup>5</sup>	2
<b>Total Credit Hours</b>	<b>60</b>	

<sup>1</sup> Specific courses fulfilling this requirement are individually planned for each student in consultation with the doctoral planning committee and are determined in part by the student's pre-matriculation competencies and research and career goals. Courses offered at sister institutions may also fulfill this requirement as deemed by the planning committee.

<sup>2</sup> Or another quantitative course approved by the doctoral planning committee. If only 3 credits of quantitative course work are taken (from the list of courses provided in the catalog for this requirement or a comparable course approved by the planning committee), then the student must also take 3 credits of PSY 735C, PSY 735D, PSY 735I, PSY 735J, or PSY 735S covering a contemporary issue in the discipline of Psychology (i.e. covering Discipline-Specific Knowledge) or the integration of two or more areas within Psychology or a seminar outside the department approved by the committee. If 6 credits of quantitative course work are taken, then the requirement is satisfied.

- <sup>3</sup> 4 credits minimum must be completed in addition to the M.A. requirement, 1 credit in each of four semesters.  
<sup>4</sup> In addition to the credits earned for the M.A.  
<sup>5</sup> 1 credit in each of two semesters.

## Discipline Specific Knowledge (Basic and Advanced integrative)

Coverage of basic knowledge in five core areas of Psychology (Biological, Developmental, Social, Cognitive, and Affective) and advanced integration of this knowledge across at least two of these areas is evaluated and met through a variety of ways including: 1) formal graduate level course work which builds on a student's pre-matriculation experiences and competencies, 2) laboratory based research, including the thesis and dissertation, and 3) preliminary examination paper and oral defense. In some cases, pre-matriculation competencies may fulfill the basic foundational requirement for one or more areas. Regardless of the specific way in which a student meets these requirements outside of formal course work, a minimum of two graduate-level courses are required to complete this requirement.

Students select from a menu of courses, based on their pre-matriculation experiences and in consultation with the planning committee. At least two courses, each incorporating at least two of the basic core areas and including integration across the area, are required. In choosing from an array of courses, coverage of at least four different core areas must be attained. Students will obtain foundational coverage in the fifth basic area through other educational means (e.g., thesis prelim or dissertation, pre-matriculation competencies with graduate-level evaluation, etc.). Regardless of means of acquiring advanced integrative knowledge, all educational experiences are evaluated at the graduate level.

Specific courses fulfilling this requirement are individually planned for each student in consultation with the doctoral planning committee and are determined in part by the student's pre-matriculation competencies and research and career goals.

## Additional Quantitative Course/Seminar Requirement for the Ph.D. Degree

Note that a minimum of 3 credits must be in the Quantitative area. If 6 credits are taken in Quantitative, no additional seminar is required. If only 3 credits are taken in the Quantitative area, the student must supplement their course work with an additional seminar (PSY 735C, PSY 735D, PSY 735I, PSY 735J, or PSY 735S) course either in clinical or within another area(s) of Psychology, or an outside seminar approved by the doctoral planning committee).

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are

accomplished for a specific program, please refer to the doctoral program's handbook.

## Psychology, Ph.D.

### Cognitive, Developmental, Social, or General Experimental Psychology Concentration

Entry into the Ph.D. program requires an M.A. in Psychology from UNC Greensboro or from another institution. For students continuing from the M.A. program at UNC Greensboro, only courses with grades of B or better may count toward the Ph.D. degree; grades below B in courses that were counted toward the M.A. degree must be replaced by either retaking the same course or by earning a grade of B or better in a substitute course. Course equivalents are decided according to departmental policy, which varies by course category (e.g. tools courses vs. core courses). A minimum of 71 credits hours are required for the Ph.D. degree.

Students who receive an M.A. from another institution will submit syllabi, thesis document, and other materials for review to determine the portability of their MA degree. Typically, students earn credit for the M.A. degree and must complete remaining Ph.D. requirements and a minimum of 35 credits at UNC Greensboro.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

For information on the application and admission, please see <https://psy.uncg.edu/graduate/admissions/>.

## Degree Program Requirements

Required: 71 credit hours

### Core Courses and Electives (47 credits minimum, including credits acquired in the M.A.)

Including core courses and electives taken to satisfy the M.A. requirements, students complete 18-30 credit hours in their area of concentration (cognitive, developmental, social or general experimental) and 18-30 credits outside their area of concentration. Of these credits, only 6 credits of independent study courses (PSY 601 Graduate Problems in Psychology) can be counted; at least an additional 3 credits of research tools courses beyond the M.A. statistics requirements must be taken; and at least four psychology seminars must be taken (from PSY 735C, PSY 735D, PSY 735I, PSY 735J, or PSY 735S).

### Research (24 credits minimum, including credits acquired in the M.A.)

Including the thesis completed to satisfy the M.A. requirements, all students complete the following:

Code	Title	Credit Hours
PSY 751	Independent Doctoral Research	1-6
PSY 799	Doctoral Dissertation Research *	1-24

\* A minimum of 12 dissertation credits (PSY 799) are required.

## Required Milestones\*

- Residency (Immersion)
- Plan of Study

- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

# Religious Studies

College of Arts and Sciences

109 Foust Building  
336-334-5762  
<http://rel.uncg.edu>

**Gregory P. Grieve**, Department Head  
**Alyssa Gabbay**, Director of Undergraduate Studies

The Department of Religious Studies investigates a variety of religious traditions, movements, and expressions that play important roles either historically or in contemporary cultures.

The Department teaches courses on such traditions as Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shinto, and Taoism. Historical studies include courses about religions in African, Asian, Middle East, European, and American (especially United States) history. Cultural and theoretical studies include courses on religious philosophies, ethics, and theologies; political, social, and psychological accounts of religious life; the role religion plays in politics, economics, social movements, arts, sciences, and diverse forms of personal conduct.

## Professor

Gregory P. Grieve<sup>G</sup>  
Ellen Davina Haskell, Professor and Herman and Zelda Bernard Distinguished Professor<sup>G</sup>  
Derek Krueger, Professor<sup>G</sup>  
Gene F. Rogers

## Associate Professor

Alyssa Beth Gabbay<sup>G</sup>

## Assistant Professor

Ashlee Norene Andrews  
Dana W Logan

## Senior Lecturer

David C McDuffie

## Lecturer

John W Borchart  
Rohit Singh

## G Graduate-level faculty

- Religious Studies, B.A. (p. 478)
- Islamic Studies Undergraduate Minor (p. 480)
- Jewish Studies Undergraduate Minor (p. 480)
- Religious Studies Undergraduate Minor (p. 480)
- Videogaming and Esports Studies Undergraduate Minor (p. 481)
- Religious Studies Second Academic Concentration (p. 481)

# Religious Studies, B.A.

The Religious Studies Major participates in a diversified program in the humanities, studying religious history, imaginative literature, systems of thought, and criticisms of culture, politics, and society. Because religious studies majors engage in multidisciplinary studies in the liberal arts, they are well-qualified to enter any field that profits from disciplines of exposition, analysis, appreciation, criticism, and historical reflection. Upon graduation, Religious Studies majors have gone into

teaching, medicine, nursing, law, business, ministry, journalism, and communications.

The Religious Studies Concentration in Nonprofit Management requires 15 credit hours and is designed to prepare students for entry-level positions in nonprofit agencies, including positions in faith-based organizations, human service agencies, foundations, or professional associations. The concentration combines core courses and electives that allow a student some tailoring to specific interests with the PSC 511 courses available online and/or on campus.

Members of the Religious Studies Department are available to advise students about career opportunities and to refer them to further information that may be of help.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students must complete a minimum of 27 credit hours in Religious Studies at the 200 level or higher; at least 9 credits must be at 300 level or higher (excluding the Senior Seminar, REL 410 )
- Students must earn a grade of at least C- in all Religious Studies courses required for the major.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
	<b>Required</b>	3
REL 298	Thinking About Religion	
	<b>Western Traditions</b>	3
	<i>Select one of the following:</i>	
REL 201	The Bible in Western Culture	
REL 202	Hebrew Bible	
REL 204	New Testament and the Origins of Christianity	
REL 206	Bible and Black Experience	
REL 209	Elements of Christian Thought	
REL 210	Christianity to the Reformation	
REL 212	Christianity from the Reformation to the Present	
REL 215	Judaism	
REL 217	The Synagogue	
REL 229	Introduction to African American Religions	
REL 231	Religion in America	
REL 233	Witches, Spirits, and Metaphysicalism in America	
REL 234	Religion and Race in the Americas	
REL 240	Modern Judaism	
REL 255	Spirituality and the 12 Steps	
REL 301	Early Christianity	
REL 303	Christianity in Byzantium	
REL 305	Religions of the Greco-Roman World	

REL 310	Christianity and the Construction of Gender
REL 311	Topics in Biblical Studies
REL 312	Judaism and the Construction of Gender
REL 313	Topics in Ancient Judaism
REL 314	Saint and Society in the Early Middle Ages
REL 330	Major American Religious Thinkers
REL 332	Contemporary African American Religious Thought
REL 337	Enslaved Religion
REL 340	Modern Jewish Thinkers
REL 341	Topics in Jewish Thought
REL 382	Topics in Christian Thought

**Non-Western Traditions**

3

*Select one of the following:*

REL 218	Chinese Religion
REL 220	East Asian Religions
REL 221	Buddhism
REL 223	Hinduism
REL 224	Yoga: Theory And Practice
REL 225	Islam
REL 226	Approaches to the Qur'an
REL 254	Religion in Traditional Societies
REL 336	Native American Religions
REL 364	
REL 369	Tibetan and Himalayan Religions
REL 368	Religion in South Asia: Selected Topics
REL 370	Religions of Iran: Selected Topics

**Cultural and Theoretical Studies**

3

*Select one of the following:*

REL 207	Critical Thinking about Religion, Faith and Spirituality: Selected Topics
REL 213	Religion, War, and Peace
REL 236	Politics and Religion
REL 241	Jewish Medical Ethics
REL 242	Jews, Bodies, Race
REL 248	Comparative Religious Ethics
REL 245	Video Games and the Problem of Evil
REL 249	Religion and Public Health
REL 250	Religious Traditions and Care of the Earth
REL 251	Topics in Religious Social Ethics
REL 259	Philosophy of Religion
REL 317	Islam and the Construction of Gender
REL 323	Religious Movements and Communities: Selected Topics
REL 324	Philosophical Issues in Religion
REL 333	Religion and Psychology
REL 334	American Cults
REL 355	The Religious Discourse of Civil Rights
REL 371	Topics in Islam: Islamic Thought, Culture, and History
REL 375	Religion and Popular Culture: Selected Topics
REL 400	Topics in Religious Studies

**Electives**

12

*Select four additional electives in Religious Studies above the 100 level***Senior Seminar**

3

REL 410 Senior Seminar

**Optional Concentration**

The optional concentration as detailed following the major requirements may be added, but is not required.

- Nonprofit Management

**Electives**

Electives sufficient to complete the 120 credit hours required for degree.

**Nonprofit Management Concentration Requirements**

Code	Title	Credit Hours
<b>Required</b>		
PSC 311	The Nonprofit Sector and Governance	12
REL 420	Internship in Religious Studies	
<i>And a Religious Studies course to be approved by the head of the department</i>		
PSC 440	Nonprofit Management and Leadership	
<b>Skills Courses</b>		
<i>Choose 3 of the 1 credit skills courses below</i>		
PSC 411B	Topics in Public Affairs: Marketing for Public and Nonprofit Agencies	
PSC 411D	Topics in Public Affairs: Strategic Planning	
PSC 411G	Topics in Public Affairs: Grant Writing	
PSC 411N	Topics in Public Affairs: Nonprofit Law	
PSC 411V	Topics in Public Affairs: Volunteer Management	

**Religion and Popular Culture Concentration**

Code	Title	Credit Hours
<b>Core Requirement</b>		
REL 375	Religion and Popular Culture: Selected Topics	3
<b>Electives</b>		
<i>Select 9 credits from the list below:</i>		
REL 105	Islam and Popular Culture: Ms. Marvel, Movies, and Hip-Hop Hijabis	
REL 109	Religion and Popular Culture	
REL 230	Introduction to the Cultural Study of Videogaming	
REL 233	Witches, Spirits, and Metaphysicalism in America	
REL 245	Video Games and the Problem of Evil	
REL 247	Fandom and Religion: Rituals, Texts, Communities	
REL 270	Digital Religion	
REL 275	Religion and Media	
REL 376	Religion and Media: Selected Topics	
REL 380	Videogaming and Death	

## Disciplinary Honors in Religious Studies

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Religious Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

See Ashlee Andrews at [anandrew@uncg.edu](mailto:anandrew@uncg.edu) for further information and guidance about Honors in Religious Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Islamic Studies Undergraduate Minor

The Islamic Studies Undergraduate Minor provides students with foundation and upper level classes in the language, religious studies, history, archaeology, ethnicity, race, gender, and politics of the historical and contemporary Islamic World.

### Program Requirements

- Minimum of 18 credits.
- There is no required study abroad.

Code	Title	Credit Hours
<b>Language *</b>		<b>6</b>
ARB 101	Beginning Arabic I	
ARB 102	Beginning Arabic II	
<b>Core</b>		<b>3</b>
HIS 207	Topics in Premodern World History	
or REL 225	Islam	
<b>Electives **</b>		<b>9</b>
<i>Select three courses at the 200-level or above from the following:</i> <sup>1</sup>		
REL 225	Islam	
REL 226	Approaches to the Qur'an	
ADS 356	The Making of the African Diaspora	
REL 317	Islam and the Construction of Gender	
REL 370	Religions of Iran: Selected Topics	
REL 371	Topics in Islam: Islamic Thought, Culture, and History	

\* If a student places out of 1st year Arabic, they may fulfill the language credits with other advisor approved Islamic Studies courses.

\*\* Other classes that offer Islamic Studies content (such as HSS 217 for students in Lloyd International Honors College) may be substituted as an elective with advisor approval.

<sup>1</sup> The following special topics courses may be substituted with advisor approval when the topic contains Islamic Studies content: HIS 207, HIS 209

## Jewish Studies Undergraduate Minor

### Program Requirements

- Minimum of 15 credit hours at the 200-level or above.

Code	Title	Credit Hours
<b>Core Requirements</b>		<b>6</b>
REL 215	Judaism	
HIS 392	Nazi Germany & the Holocaust *	
or REL 202	Hebrew Bible	
<b>Electives **</b>		<b>9</b>
<i>Select 9 credits from the list below:</i> <sup>1</sup>		
REL 240	Modern Judaism	
REL 241	Jewish Medical Ethics	
REL 242	Jews, Bodies, Race	
REL 305	Religions of the Greco-Roman World	
REL 311	Topics in Biblical Studies	
REL 312	Judaism and the Construction of Gender	
REL 313	Topics in Ancient Judaism	
REL 340	Modern Jewish Thinkers	
REL 341	Topics in Jewish Thought	

\* Can count towards electives requirements if not used to meet core.

\*\* The following special topics may be substituted with approval by the Director of Jewish Studies when the topic contains Jewish Studies material: HIS 208, HIS 209, HIS 346, (HIS 390 when taught by Alexander Eger in Israel; offered Summer I and II), and CST 460.

<sup>1</sup> Hebrew language courses from other institutions may be substituted as approved by the Director of Jewish Studies.

## Religious Studies Undergraduate Minor

The Religious Studies Minor complements majors in a variety of fields in the humanities and social sciences; for others it provides a way to focus various disciplines in the humanities on a profoundly significant part of cultures around the world.

### Program Requirements

- Minimum of 18 credit hours in Religious Studies at or above the 100 level as listed below.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
REL 298	Thinking About Religion	
<b>Western Traditions</b>		<b>3</b>
<i>Select one of the following:</i>		
REL 201	The Bible in Western Culture	
REL 202	Hebrew Bible	

REL 204	New Testament and the Origins of Christianity	REL 317	Islam and the Construction of Gender
REL 209	Elements of Christian Thought	REL 323	Religious Movements and Communities: Selected Topics
REL 210	Christianity to the Reformation	REL 324	Philosophical Issues in Religion
REL 212	Christianity from the Reformation to the Present	REL 333	Religion and Psychology
REL 215	Judaism	REL 334	American Cults
REL 217	The Synagogue	REL 371	Topics in Islam: Islamic Thought, Culture, and History
REL 229	Introduction to African American Religions	REL 375	Religion and Popular Culture: Selected Topics
REL 231	Religion in America	REL 400	Topics in Religious Studies
REL 233	Witches, Spirits, and Metaphysicalism in America	<b>Additional REL Electives</b>	
REL 234	Religion and Race in the Americas	Select two additional electives in Religious Studies at the 100 level or above	
REL 240	Modern Judaism		
REL 255	Spirituality and the 12 Steps		
REL 301	Early Christianity		
REL 303	Christianity in Byzantium		
REL 305	Religions of the Greco-Roman World		
REL 310	Christianity and the Construction of Gender		
REL 311	Topics in Biblical Studies		
REL 312	Judaism and the Construction of Gender		
REL 313	Topics in Ancient Judaism		
REL 314	Saint and Society in the Early Middle Ages		
REL 330	Major American Religious Thinkers		
REL 332	Contemporary African American Religious Thought		
REL 337	Enslaved Religion		
REL 340	Modern Jewish Thinkers		
REL 341	Topics in Jewish Thought		
REL 355	The Religious Discourse of Civil Rights		
REL 382	Topics in Christian Thought		
<b>Non-Western Traditions</b>		<b>3</b>	
Select one of the following:			
REL 218	Chinese Religion	REL 230	Introduction to the Cultural Study of Videogaming
REL 220	East Asian Religions	Select 12 credits of Electives from the list below:	
REL 221	Buddhism	ART 398	Introduction to Digital Modeling
REL 223	Hinduism	ART 399	Introduction to 3D Animation
REL 224	Yoga: Theory And Practice	CCI 108	Playing Games and the Ancient World
REL 225	Islam	CTR 101	Leisure and American Lifestyles
REL 226	Approaches to the Qur'an	CTR 214	Inclusive Recreation
REL 336	Native American Religions	CTR 429	Special Event Management
REL 254	Religion in Traditional Societies	ENG 227	Storylab: Multimodal Narrative
REL 368	Religion in South Asia: Selected Topics	ENG 237	Monsters and Heroes: Race and Gender in Video Games and Literature
REL 370	Religions of Iran: Selected Topics	IST 213	Games and Information: Play, Design, and Collection
<b>Cultural and Theoretical Studies</b>		MST 388	Video Sports Production
Select one of the following:		MST 428	Topics in Electronic Media
REL 207	Critical Thinking about Religion, Faith and Spirituality: Selected Topics	MUP 220	Making Music with Computers
REL 236	Politics and Religion	REL 109	Religion and Popular Culture
REL 241	Jewish Medical Ethics	REL 245	Video Games and the Problem of Evil
REL 242	Jews, Bodies, Race	REL 247	Fandom and Religion: Rituals, Texts, Communities
REL 245	Video Games and the Problem of Evil	REL 375	Religion and Popular Culture: Selected Topics
REL 248	Comparative Religious Ethics	REL 380	Videogaming and Death
REL 249	Religion and Public Health		
REL 250	Religious Traditions and Care of the Earth		
REL 251	Topics in Religious Social Ethics		
		<b>Required</b>	
		15	

## Videogaming and Esports Studies Undergraduate Minor

### Program Requirements

- Minimum of 15 credit hours.
- Courses may be taken in any order.

Code	Title	Credit Hours
<b>Required</b>		
REL 230	Introduction to the Cultural Study of Videogaming	15
Select 12 credits of Electives from the list below:		
ART 398	Introduction to Digital Modeling	
ART 399	Introduction to 3D Animation	
CCI 108	Playing Games and the Ancient World	
CTR 101	Leisure and American Lifestyles	
CTR 214	Inclusive Recreation	
CTR 429	Special Event Management	
ENG 227	Storylab: Multimodal Narrative	
ENG 237	Monsters and Heroes: Race and Gender in Video Games and Literature	
IST 213	Games and Information: Play, Design, and Collection	
MST 388	Video Sports Production	
MST 428	Topics in Electronic Media	
MUP 220	Making Music with Computers	
REL 109	Religion and Popular Culture	
REL 245	Video Games and the Problem of Evil	
REL 247	Fandom and Religion: Rituals, Texts, Communities	
REL 375	Religion and Popular Culture: Selected Topics	
REL 380	Videogaming and Death	

## Religious Studies Second Academic Concentration

The second academic concentration in Religious Studies is designed specifically for Elementary Education Majors.

## Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
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### Traditions and Historical Studies

*Select 6 credits of the following:*

REL 201	The Bible in Western Culture
REL 202	Hebrew Bible
REL 204	New Testament and the Origins of Christianity
REL 210	Christianity to the Reformation
REL 212	Christianity from the Reformation to the Present
REL 215	Judaism
REL 221	Buddhism
REL 225	Islam
REL 229	Introduction to African American Religions
REL 250	Religious Traditions and Care of the Earth
REL 254	Religion in Traditional Societies
REL 301	Early Christianity
REL 311	Topics in Biblical Studies
REL 313	Topics in Ancient Judaism

### Cultural and Theoretical Studies

*Select 6 credits of the following:*

REL 207	Critical Thinking about Religion, Faith and Spirituality: Selected Topics
REL 240	Modern Judaism
REL 251	Topics in Religious Social Ethics
REL 310	Christianity and the Construction of Gender
REL 312	Judaism and the Construction of Gender
REL 323	Religious Movements and Communities: Selected Topics
REL 333	Religion and Psychology
REL 340	Modern Jewish Thinkers
REL 400	Topics in Religious Studies

### Additional REL Courses

*Select 6 credits of additional REL courses at the 200 level or above*

# Sociology

*College of Arts and Sciences*

337 Graham Building  
336-334-5609  
<http://soc.uncg.edu/>

**Steven R. Cureton, Department Head**  
**Trevor Hoppe, Director of Undergraduate Studies**  
**Cindy Brooks Dollar, Graduate Program Director**

## Mission Statement

The Department of Sociology supports the missions of the College of Arts and Sciences and the university in three areas: education, research and service. The Department fosters a community of sociologists, mentors students of sociology at the undergraduate and graduate levels, and provides general education for students throughout the university. Sociological knowledge helps students to understand how social structures and processes shape social life and how sociological analysis and empirical research are used as tools of understanding. The Department also encourages the research and professional development of faculty, contributes knowledge to the community of scholars and to the larger society, and provides service to the discipline, college, university, and extramural communities.

## About

The undergraduate program in sociology is planned primarily as a part of a liberal arts education. The objective is to provide the student with an analytic and systematic approach to the understanding of social relations. The major provides a foundation for a variety of occupations and for advanced study.

Graduate study leading to the Master of Arts degree with a major in Sociology also is available.

### Professor

Rebecca G. Adams<sup>G</sup>  
 Steven R. Cureton<sup>G</sup>  
 Sarah Daynes<sup>G</sup>  
 Cerise L. Glenn Manigault<sup>G</sup>  
 Gwen C. Hunnicutt  
 David A Kauzlarich<sup>G</sup>  
 Arielle Kuperberg<sup>G</sup>  
 Debbie A Storrs

### Associate Professor

Shelly Lynne Brown-Jeffy<sup>G</sup>  
 Cindy Brooks Dollar<sup>G</sup>  
 Trevor Alexander Hoppe<sup>G</sup>  
 Daniel R Huebner<sup>G</sup>  
 Tad P Skotnicki<sup>G</sup>

### Assistant Professor

Sahan Savas Karatasli<sup>G</sup>  
 Sefika Kumral<sup>G</sup>  
 Ting Wang<sup>G</sup>

### Lecturer

Kristen Lee Catoe  
 Ariane Marisa Cox  
 Liz Ann Ortel  
 Rachael Christine Patterson

Melissa Ann Roberts

*G Graduate-level faculty*

- Sociology, B.A. (p. 483)
- Sociology Undergraduate Minor (p. 485)
- Sociology Second Academic Concentration (p. 485)
- Sociology, M.A. (p. 485)
- Teaching Sociology, Post-Baccalaureate Certificate (p. 486)

## Sociology, B.A.

The Sociology major provides students with an understanding of the fundamental processes of social interaction that underlie all social organization and change. Beyond book and library study, students are required to develop skills in computer analysis and in survey and field research. Students may

1. Major in sociology,
2. Major in sociology with a concentration in criminology,
3. Complete the social studies licensure for secondary teachers with a major in sociology,
4. Major in both sociology and another field, or
5. Minor in sociology.

Requirements for these six options are described separately below.

## Student Learning Goals

Sociology majors at UNC Greensboro will be expected to:

- Define and apply basic sociological concepts used in micro and macro sociological theory
- Explain the difference between personal opinion and theoretical insight based on research and between structural and individualistic explanations of human action
- Know how to formulate research hypotheses, collect, and do basic analysis of data
- Evaluate the appropriateness of various theories and research methods for answering different types of empirical questions
- Explain the differences among and the uses of different types of sociological research methods
- Be able to recognize and respond appropriately to the ethical issues involved in studying human subjects and organizations

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- All sociology majors must complete a minimum of 36 credit hours in sociology with at least a 2.0 GPA in the major.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

## Major Requirements

Code	Title	Credit Hours
<b>Core Requirements</b>		
SOC 101	Introduction to Sociology	18
SOC 225	Race, Class, and Gender: Social Inequalities	
SOC 290	Social Theory I	
SOC 301	Introduction to Methods and Research	
SOC 302	Introduction to Data Analysis	
SOC 490	Social Theory II	
<b>Related Area Requirements</b>		18
<i>Select six additional Sociology courses, four of which must be taken at the 300 level or above</i>		

## Related Area Requirements

See the Sociology Department's Director of Undergraduate Studies for related course recommendations.

## Optional Concentrations

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Criminology and Justice Studies
- Sociology with Social Studies High School Teaching Licensure

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Criminology and Justice Studies Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
SOC 222	Sociology of Deviant Behavior	18
SOC 324	Criminology	
<i>Select at least three of the following:</i>		
SOC 317	Criminal Justice	
SOC 323	Deviance and Social Control	
SOC 332	Law and Society	
SOC 350	Juvenile Delinquency	
SOC 373	Green Criminology	
SOC 390	African American Perspectives on Crime	
SOC 393	Drugs and Society	
SOC 419	Gender, Crime, and Deviance	
SOC 420	Family Violence	
SOC 422	Crimes of the Powerful	
SOC 425	Contemporary Gangs in America	
SOC 429	Collective Violence and Nonviolence in Global Perspective	
SOC 434	Considering Ourselves as Offenders, Victims and Survivors	
<i>Select one additional Sociology course *</i>		

\* May be any Sociology (SOC) elective or may be chosen from the previous list.

### Sociology with Social Studies High School Teaching Licensure Concentration Requirements

- Minimum of 45 credit hours in social studies beyond the requirements for the Sociology major

### Teacher Licensure Requirements

The courses listed below satisfy competencies for the Standard Professional I License in Secondary Social Studies.

Code	Title	Credit Hours
<b>Additional Requirements for Teacher Licensure</b>		
ECO 201	Principles of Microeconomics	45
or ECO 202	Principles of Macroeconomics	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 430	Historical Methods for Social Studies Teachers	
HIS 440	Principles and Practices for Teaching History	
<i>Choose one additional 300-level history course</i>		
The following courses must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See the online Secondary Education Handbook for more information.		
TED 435	Literacy in the Content Area	
ERM 405	Measurement and Assessment in Teaching	
TED 444	Educational Psychology for the Secondary Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 453	Teaching Practices and Curriculum in Social Studies	
TED 465	Student Teaching: Secondary School	
TED 466	Student Teaching Seminar	

### Disciplinary Honors in Sociology

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		6
<b>3 credits of Honors course work in the major or another area</b>		3

### Recognition

Receive a Certificate of Disciplinary Honors in Sociology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

\* Select one additional Sociology course \*

**Honors Advisor**

Contact Tad Skotnicki at [tpskotni@uncg.edu](mailto:tpskotni@uncg.edu) for further information and guidance about Honors in Sociology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Sociology Undergraduate Minor Program Requirements

- 15 credit hours in Sociology
- 9 credits counted toward the minor must be in residence at UNC Greensboro.

## Sociology Second Academic Concentration

The second academic concentration in Sociology is designed specifically for Elementary Education Majors.

**Requirements**

- Minimum of 18 credit hours

Code	Title	Credit Hours
<i>Required</i>		
SOC 101	Introduction to Sociology	
SOC 201	Social Problems	
<i>Select 12 credits at the 300 level or above from the following:</i>		
SOC 326	The Community	
SOC 335	Sociology of the Family	
SOC 341	Sociological Perspectives on Social Psychology	
SOC 346	Population Problems	
SOC 362	Sociological Perspectives on Education	
SOC 370	Environmental Sociology	
SOC 371	Race, Ethnicity, and Migration in a Global Context	
SOC 420	Family Violence	

## Sociology, M.A.

The M.A. in Sociology offers a thesis and a non-thesis option. The thesis option requires 33 credit hours, including 6 credits of thesis. The non-thesis option requires 33 credit hours, including a 6 credit internship.

The program prepares students for further study, for research and administrative positions in public or private organizations, and for teaching sociology in a variety of settings. All of the students in the program acquire a general foundation in sociology, and some elect to complete a concentration in criminology. Other special interests may be pursued in particular substantive, applied, or cognate courses and extended in the writing of a thesis or completion of an internship.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (12 credits)</b>		
SOC 614	Social Theory	3
SOC 616	Advanced Research Methods	3
SOC 618	Advanced Data Analysis	3
Select 3 credits from one of the following options:		3
<i>Thesis Option</i>		
SOC 593	Thesis and Internship Seminar	
<i>Non-Thesis Option</i>		
SOC 599	Internship in Sociology	
<b>Area Courses (9 credits)</b>		
Select 9 credits from the following:		9
SOC 571	Advanced Topics in Social Psychology	
SOC 636	Seminar in Social Inequalities: Theory and Research	
SOC 640	Cultural Sociology	
SOC 644	Sociology of Globalization	
<b>Electives (6 credits)</b>		
Select 6 credits from other 500- or 600-level sociology or social science courses in other departments *		6
<b>Capstone Experience (6 credits)</b>		
Select one option (6 credits) from the following:		6
<i>Thesis Option</i>		
SOC 699	Thesis	
<i>Non-Thesis Option</i>		
SOC 695	Internship	
<b>Total Credit Hours</b>		<b>33</b>

\* With prior approval of the advisor.

## Comprehensive Examination

Successful completion of a thesis proposal or internship proposal defense satisfies the comprehensive examination requirement.

## Criminology Concentration

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (21 credits)</b>		
SOC 601	Seminar in Criminological Analysis	3
SOC 614	Social Theory	3
SOC 616	Advanced Research Methods	3
SOC 618	Advanced Data Analysis	3
SOC 651	Criminology	3
SOC 653	Social Control	3
Select 3 credits from one of the following:		3
<i>Thesis Option</i>		
SOC 593	Thesis and Internship Seminar	
<i>Non-Thesis Option</i>		
SOC 599	Internship in Sociology	
<b>Electives (6 credits)</b>		

Select 6 credits from other 500- or 600-level sociology courses or social science courses in other departments *	6
<b>Capstone Experience (6 credits)</b>	
Select one option (6 credits) from the following:	6
<i>Thesis Option</i>	
SOC 699 Thesis	
<i>Non-Thesis Option</i>	
SOC 695 Internship	
<b>Total Credit Hours</b>	<b>33</b>

\* With prior approval of the advisor.

## Teaching Sociology, Post-Baccalaureate Certificate

The Department of Sociology offers a program of study leading to a Post-Baccalaureate Certificate in Teaching Sociology that prepares graduates for teaching sociology courses at the college level. The program combines core courses, elective courses, and a major course in teaching sociology.

Certificate requirements must be successfully completed during five academic years to earn the certificate. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of The Graduate School.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Core Courses (12 credits)</b>		
SOC 614	Social Theory	3
SOC 616	Advanced Research Methods	3
SOC 618	Advanced Data Analysis	3
SOC 646	Teaching and Learning Sociological Concepts	3
<b>Electives (6 credits)</b>		
Select two courses (6 credits) from the following:		6
SOC 571	Advanced Topics in Social Psychology	
SOC 601	Seminar in Criminological Analysis	
SOC 640	Cultural Sociology	
SOC 651	Criminology	
SOC 653	Social Control	
<b>Total Credit Hours</b>		<b>18</b>

# Women's, Gender, and Sexuality Studies

*College of Arts and Sciences*

336 Curry Building

336-334-4323

<http://wgs.uncg.edu>

**Lisa Levenstein**, Director

**Danielle Bouchard**, Interim Director

**J. Tiffany Holland**, Director of Undergraduate Studies

**Faye Stewart**, Graduate Program Director

## Program Faculty

*Risa Applegarth, Department of English*

*Heather Brook Adams, Department of English*

*Silvia Bettez, Department of Educational Leadership and Cultural Foundations*

*Sarah Cervenak, Women's, Gender, and Sexuality Studies Program and*

*African American and African Diaspora Studies Program*

*Ben Clarke, Department of English*

*Sarah E. Colonna, Faculty Chair, Grogan College*

*Jenny Dale, Professional Librarian, Coordinator of First-Year Programs*

*Jennifer Feather, Department of English*

*Lalena Harrington, Integrative Community Studies Certificate*

*Program, School of Education,*

*and Honors College*

*Ana Paula Höfling, Department of Dance*

*Gwen Hunnicutt, Department of Sociology*

*Lucinda Kaukas Havenhand, Department Head, Professor of Interior Architecture*

*Karen Kilcup, Elizabeth Rosenthal Excellence Professor, Department of English*

*Lisa Levenstein, Department of History*

*Cybelle McFadden, Department of Languages, Literatures, and Cultures*

*Noelle Morissette, Department of English*

*Anne Parsons, Associate Professor and Director of Public History*

*Emilia Phillips, Department of English*

*Mark Rifkin, Department of English*

*Eugene Rogers, Department of Religious Studies*

*Maria Sánchez, Department of English*

*Faye Stewart, Department of Languages, Literatures, and Cultures*

*Joan Titus, Professor in Musicology/Ethnomusicology*

*Amy Vetter, Department of Teacher Education and Higher Education*

*Amy Vines, Department of English*

*Ting Wang, Department of Sociology*

## Mission Statement

The central focus of the Women's, Gender, and Sexuality Studies Program is to explain how gender is produced within social institutions and how these institutions affect individual lives and to analyze the mutual constitution of gender, race, ethnicity, class, sexuality, nationality, and religion. The program addresses issues of neglect, omission, and bias in curricula while honing critical thinking skills vital to a liberal education. With the assistance of the community-based Friends of Women's, Gender, and Sexuality Studies, the program sponsors visiting scholars, lectures, films, and conferences devoted to the advancement of women's, gender, and sexuality studies.

- Women's, Gender, and Sexuality Studies, B.A. (p. 487)
- Women's, Gender, and Sexuality Studies Undergraduate Minor (p. 489)
- Women's, Gender, and Sexuality Studies, M.A. (p. 489)
- Women's, Gender, and Sexuality Studies, Post-Baccalaureate Certificate (p. 491)

## Women's, Gender, and Sexuality Studies, B.A.

### Student Learning Goals

1. To explain how gender is produced within social institutions and how these institutions affect individual lives.
2. To discuss histories of feminism as a social movement and feminist theories of social transformation.
3. To explain theories of embodiment, such as how bodies are constituted within social and biological discourses, or the relationship between embodiment and subjectivity, consciousness, and agency.
4. To critique how hegemonic feminism includes and/or excludes different theoretical perspectives, such as theories of racial formation and theories of sexuality.
5. To analyze the mutual constitution of gender, race, ethnicity, class, sexuality, nationality, and religion.
6. To explain gender, race, ethnicity, class, sexuality, nationality, and religion from the perspective of postcolonial and transnational frameworks of analysis.
7. To identify how feminist theories are constructed and enacted both inside and outside of the classroom.
8. To identify the intellectual paradigms and political perspectives of different modes of knowledge production or interdisciplinary methodologies.
9. To analyze scholarship and a variety of media in order to create original arguments in writing.
10. To apply different modes of feminist praxis, such as fieldwork, performance, or research.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum 30 credits above the 100 level.
- Students must earn a grade of at least C- in all courses required for the major.

### Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements (MAC) (p. )	
	College of Arts and Sciences Additional Requirements (CIC) (p. 299)	

### Major Requirements

**Elective course section must carry the WGS marker in the given semester.** This list is not comprehensive as additional courses may appear on the Course Schedule that will carry the WGS marker and may

thus count toward major or minor requirements. Some sections of these courses might not carry the WGS marker in any given semester; check the Course Schedule for the list of courses that count for WGS credit during the current semester.

Code	Title	Credit Hours
<b>Core Requirements</b>		<b>15</b>
WGS 250	An Introduction to Women's, Gender and Sexuality Studies	
WGS 270	Introduction to LGBTQI Studies	
WGS 333 or WGS 334	Postcolonial and Transnational Feminisms Latin American and Latinx Feminist and Queer Thought	
WGS 350	Introduction to Feminist Theories	
WGS 490	Women's, Gender and Sexuality Studies Senior Capstone Course	
<b>Electives</b>		<b>15</b>
<i>Select 15 credits of approved courses from the following:</i> *		
BLS 348	Representing Women	
BLS 386	Women, War, and Terror	
ELC 381		
ENG 331	Women in Literature	
ENG 332	English Women Writers before 1800	
ENG 376	African American Writers after the 1920s	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 342	Gender, Sex, and Health in the 20th Century US	
PSC 336	Women and the Law	
WGS 280	Women's Health and Bodies	
WGS 329	Sociological Perspectives on Gender	
WGS 419	Gender, Crime, and Deviance	
WGS 450	Topics Seminar in Women's, Gender and Sexuality Studies	
WGS 490	Women's, Gender and Sexuality Studies Senior Capstone Course	
WGS 400	Independent Study **	

\* The course section must carry the WGS marker in the given semester. This list is not comprehensive as additional courses may appear on the Course Schedule that will carry the WGS marker and may thus count toward major or minor requirements. Some sections of these courses might not carry the WGS marker in any given semester; check the Course Schedule for the list of courses that count for WGS credit during the current semester.

Special topics courses or sections with central focus on women and gender may be approved by the Director of WGS for elective credit.

\*\* Course may be taken for only 6 credit hours toward the WGSS major.

## Electives

Electives should be sufficient to complete the 120 credit hours required for the degree.

## Disciplinary Honors in Women's, Gender, and Sexuality Studies

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490 or WGS 493	Senior Honors Project Honors Work	
<b>6 credit hours of Women's and Gender Studies course work *</b>		<b>6</b>
<b>3 credits of Honors course work in the major</b>		<b>3</b>

\* May be any combination of Contract courses and/or 400-level Women's and Gender Studies courses

### Recognition

Receive a Certificate of Disciplinary Honors in Women's and Gender Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Danielle Bouchard at [dmboucha@uncg.edu](mailto:dmboucha@uncg.edu) for further information and guidance about Honors in Women's and Gender Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.A. to M.A.

### Application and Admission

Undergraduate students at UNC Greensboro may apply for admission to the Accelerated Master's Program in Women's, Gender, and Sexuality Studies. A cumulative undergraduate GPA of at least 3.5, based on at least 30 credit hours earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

All applicants must complete the Accelerated Master's Program information as part of the application for admission to the M.A. program.

Standardized entrance exams (GRE or MAT) are optional for AMP students, although they may be useful in future applications for graduate fellowships.

Applications to the Women's, Gender, and Sexuality Studies program require the following additional items: a statement of purpose; an academic writing sample; and a resume.

### Courses

The M.A. degree requires 36 credit hours of graduate-level course work. AMP students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses may be counted toward both the B.A. and the M.A. degrees. All courses leading to the completion of the M.A. degree must be approved by the WGS Graduate Program Director.

Code	Title	Credit Hours
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Select up to two courses from the following:	*	6
WGS 530		
CST 621	African American Culture and Identity	
ENG 688	Women's Rhetoric and Feminist Pedagogy	
HIS 551	Gender and History: Selected Topics	

\* In consultation with the Graduate Advisor.

## Women's, Gender, and Sexuality Studies Undergraduate Minor Program Requirements

- Minimum of 18 credit hours.
- Students must earn a grade of at least C- in all courses required for the minor.

Code	Title	Credit Hours
<b>Core Requirements</b>		
WGS 250	An Introduction to Women's, Gender and Sexuality Studies	9
WGS 270	Introduction to LGBTQI Studies	
or WGS 333	Postcolonial and Transnational Feminisms	
or WGS 334	Latin American and Latinx Feminist and Queer Thought	
WGS 350	Introduction to Feminist Theories	
<b>Electives</b>		
Select 9 credits of approved courses from the following: *		
BLS 348	Representing Women	
BLS 386	Women, War, and Terror	
ELC 381		
ENG 331	Women in Literature	
ENG 332	English Women Writers before 1800	
ENG 376	African American Writers after the 1920s	
HIS 328	U.S. Women's History to 1865	
HIS 329	U.S. Women's History Since 1865	
HIS 342	Gender, Sex, and Health in the 20th Century US	
PSC 336	Women and the Law	
WGS 280	Women's Health and Bodies	
WGS 329	Sociological Perspectives on Gender	
WGS 419	Gender, Crime, and Deviance	
WGS 450	Topics Seminar in Women's, Gender and Sexuality Studies	

WGS 490	Women's, Gender and Sexuality Studies Senior Capstone Course
WGS 400	Independent Study **

\* The course section must carry the WGS marker in the given semester. This list is not comprehensive as additional courses may appear on the Course Schedule that will carry the WGS marker and may thus count toward major or minor requirements. Some sections of these courses might not carry the WGS marker in any given semester; check the Course Schedule for the list of courses that count for WGS credit during the current semester.

\*\* Course may be taken for only 3 credits toward the WGSS minor.

## Women's, Gender, and Sexuality Studies, M.A.

The interdisciplinary M.A. in Women's, Gender, and Sexuality Studies requires 36 credit hours and prepares graduates for professional employment and for further study. Course options may include a component of professional skills development to prepare students for immediate employment in non-faculty positions in education, in non-profit organizations, government, or business. Students may also develop a plan of study leading to the pursuit of doctoral degrees in women's and gender studies or other professional degrees for employment in such diverse areas as counseling, university teaching, the arts, and business.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit:

- A statement of purpose explaining how the WGS M.A. program aligns with their personal, academic, and/or professional experience and goals.
- An academic writing sample such as a research paper from an academic course.

If applying for an assistantship or other funding, applicants must also submit an academic and professional resume or CV (curriculum vitae).

M.A. students in WGS may apply for concurrent study in a graduate certificate program in such fields as Non-Profit Management or African-American Studies.

## Degree Program Requirements

**Required:** 36 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (9 credits)</b>		
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Select one course (3 credits) from the following:		
CST 659	Communication and Gender	
ELC 680	Transnational and Postcolonial Feminist Perspectives	
ENG 688	Women's Rhetoric and Feminist Pedagogy	

WGS 701	Critical Sexuality Studies and Queer Theory	
<b>Individualized Plan of Study (21-24 credits)<sup>1</sup></b>		
Select a minimum of 9 credits from courses constituting a concentrated area of study <sup>2</sup>	9	
Select a minimum of 12 credits from courses approved for WGS credit <sup>3</sup>	12	
<b>Capstone Experience (6 or 3 credits)</b>		
Select one option (6 or 3 credits) from the following:	6	
	or	
	3	
<i>Thesis Option (6 credits)</i>		
WGS 699	Thesis	
<i>Internship Option (6 credits)</i>		
WGS 601 & WGS 600	Women's, Gender, and Sexuality Studies Internship and Independent Study <sup>4</sup>	
<i>Culminating Experience (3 credits)</i>		
WGS 698	Culminating Project	
<i>Independent Study (3 credits)</i>		
WGS 600	Independent Study	
<b>Total Credit Hours</b>	<b>36</b>	

<sup>1</sup> Students who select either the **Culminating Project** or **Independent Study** option for their Capstone Experience must complete 24 credits.

<sup>2</sup> That reflects the student's goals and interests.

<sup>3</sup> Or from other graduate offerings consistent with the student's plan of study.

<sup>4</sup> WGS 601 (3 credits) and WGS 600 (3 credits) must be taken concurrently.

## Individualized Plan of Study

The proposed plan of study must be approved by the WGS Graduate Advisor (Graduate Program Director). These courses may be selected from those carrying a WGS marker or appropriate courses in relevant fields.

## Representative Courses Approved for WGS Credit

Consult advisor for additional options. Students may not double-count courses taken to fulfill requirements.

Code	Title	Credit Hours
WGS 600	Independent Study	3-6
WGS 601	Women's, Gender, and Sexuality Studies Internship	3
WGS 602	Internship Seminar	3
WGS 701	Critical Sexuality Studies and Queer Theory	3
WGS 706	Topics in Gender and Sexuality Studies	3
ADS 650	Topics in African American Gender Studies	3
CST 659	Communication and Gender	3
ELC 609	Epistemology and Education	3
ELC 662	Power, Politics, and Schools	3
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	3
ELC 670	Leadership for Teaching and Learning	3
ELC 688	Contemporary Problems Seminar	1-3
ELC 700	Critical Perspectives in Education, Leadership, and Culture	3
ERM 604	Methods of Educational Research	3

HEA 662	Gender and Health	3
HEA 665	Violence and Public Health	3
HIS 551	Gender and History: Selected Topics	3
KIN 630	Sport and Society: Social Inequalities	3
MAS 620	Human Nature and Society	3

## Possible Additional Courses, Depending on Plan of Study

Consult advisor for additional options.

Code	Title	Credit Hours
<b>Business Administration</b>		
MBA 701	Quantitative Analysis	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Managerial Economics	3
MBA 706	Marketing Management	3
CST 630	Communication, Organization, and Democracy	3
<b>Dance</b>		
DCE 667	The Dancer's Body	3
<b>Educational Research Methodology</b>		
ERM 604	Methods of Educational Research	3
<b>History</b>		
HIS 502	African American History: Selected Topics	3
HIS/IAR 626	The Practice of Public History	3
HIS 713	African Americans after Slavery	3
<b>Library and Information Studies</b>		
LIS 636	Website Production and Usability for Information Professionals	3
<b>Peace and Conflict Studies</b>		
PCS 600	Transforming Conflict: Histories and Theories	3
PCS 601	Indigenous Peace Practices	3
PCS 610	Transitional Justice	3
<b>Philosophy</b>		
PHI 620	Ethics and Genetics	3
<b>Political Science</b>		
PSC 540	Nonprofit Management and Leadership	3
<b>Public Health</b>		
HEA 601	Foundations of Public Health	3
HEA 602	Epidemiology Methods	3
HEA 603	Community Health Analysis	3
HEA 612	Management of Community Health Organizations	3
HEA 640	Global Health Issues	3
HEA 645	Health Policy	3
HEA 676	Problems Seminar	3

## Accelerated B.A. to M.A. in Women's, Gender, and Sexuality Studies

### Application and Admission

Undergraduate students at UNC Greensboro may apply for admission to the Accelerated Master's Program in Women's, Gender, and Sexuality Studies. A cumulative undergraduate GPA of at least 3.5, based on at least 30 credit hours earned at UNC Greensboro is required. Applicants

must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

All applicants must complete the Accelerated Master's Program information as part of the application for admission to the M.A. program.

Standardized entrance exams (GRE or MAT) are optional for AMP students, although they may be useful in future applications for graduate fellowships.

Applications to the Women's, Gender, and Sexuality Studies program require the following additional items: a statement of purpose; an academic writing sample; and a resume.

## Courses

The M.A. degree requires 36 credit hours of graduate-level course work. AMP students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in each graduate course and fulfill graduate-level requirements. No more than 9 credits at the 500 level may be counted toward the M.A. degree. Please see the University Catalog for a full description of the M.A. degree requirements.

The following courses may be counted toward both the B.A. and the M.A. degrees. All courses leading to the completion of the M.A. degree must be approved by the WGS Graduate Program Director.

Code	Title	Credit Hours
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
Select up to two courses from the following:	*	6
WGS 530		
CST 621	African American Culture and Identity	
ENG 688	Women's Rhetoric and Feminist Pedagogy	
HIS 551	Gender and History: Selected Topics	

\* In consultation with the Graduate Advisor.

## Women's, Gender, and Sexuality Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Women's, Gender, and Sexuality Studies requires 18 credit hours and prepares graduates for interdisciplinary teaching; careers in nonprofit, governmental, and corporate settings; and entry into professional degree programs in such fields as law, child development, and public health. The program combines core courses, elective courses, independent study, and/or internship integrating theory and practice.

Certificate requirements must be completed within five academic years. At least 9 credits of course work must be at the 600 level or above. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of The Graduate School.

Curriculum requirements consist of 6 credits of required core courses and 12 credits of electives. Students enrolled in a graduate degree program must take at least 3 credits of WGS certificate course work outside the degree-granting department.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants submit a statement of purpose explaining how the certificate program aligns with their personal, academic, and/or professional experience and goals.

No standardized tests (GRE, MAT) are required; certificate program applicants who are also applying to a graduate program (e.g. a M.A. or Ph.D.) should consult the degree-granting department for admission test requirements. Certificate applicants may hold a baccalaureate degree in any field.

## Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (6 credits)</b>		
WGS 650	Feminist Theory: Intersections of Gender, Race and Class	3
WGS 651	Feminist Research Analysis	3
<b>Electives (12 credits)</b>		
Select a minimum of 12 credits of electives from WGS approved courses *		12
<b>Total Credit Hours</b>		<b>18</b>

\* Those with WGS markers.

### Required Core Courses

The following courses may be taken in substitution for WGS 650 Feminist Theory: Intersections of Gender, Race and Class with prior permission of the WGS Graduate Advisor (Graduate Program Director). These courses may also serve as electives.

Code	Title	Credit Hours
CST 659	Communication and Gender	3
ELC 680	Transnational and Postcolonial Feminist Perspectives	3
ENG 688	Women's Rhetoric and Feminist Pedagogy	3

### Representative Courses Approved for WGS Credit

Minimum of 12 credits chosen from WGS approved courses. The available courses vary from semester to semester and current offerings are listed and described on the WGS website. All substitutions require prior approval by the WGS Graduate Advisor (Graduate program Director).

Code	Title	Credit Hours
WGS 530		3
WGS 601	Women's, Gender, and Sexuality Studies Internship	3
WGS 602	Internship Seminar	3

WGS 706	Topics in Gender and Sexuality Studies	3
ADS 650	Topics in African American Gender Studies	3
CST 659	Communication and Gender	3
ELC 609	Epistemology and Education	3
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	3
HEA 662	Gender and Health	3
HEA 665	Violence and Public Health	3
HIS 551	Gender and History: Selected Topics	3
KIN 630	Sport and Society: Social Inequalities	3
MAS 610	Culture and Ideas	3
MAS 620	Human Nature and Society *	3

\* When focus is on gender.

# COLLEGE OF VISUAL AND PERFORMING ARTS

220 Music Building  
336-334-5789  
<http://vpa.uncg.edu>

**bruce d. mcclung, Dean**

The UNC Greensboro College of Visual and Performing Arts creates an indispensable arts experience for all citizens of North Carolina and the Southeast. Our programs transform lives by providing exceptional artistic and scholarly experiences for our students and their communities. Our vision is to build on this established reputation and become one of the leading arts institutions in the nation.

The UNC Greensboro College of Visual and Performing Arts is guided and informed by our beliefs and commitments to the following:

• **Excellence and Innovation**

Nurture curiosity, inspire creativity, develop skills, and encourage artistic practice, pedagogy, conservatory-level training, research, and cutting-edge scholarship.

• **Access and Inclusivity**

Serve the citizens of North Carolina and the nation by modeling an inclusive, collaborative, supportive, and student-oriented culture.

• **Equity and Ethics**

Commit to equitable academic policies, curricular design, and decision-making with shared respect, accountability, and cooperation.

• **Community and Place**

Engage local and global socio-political artistic performance, pedagogy, and scholarship, providing a supportive environment for community artists and real-world experiences for our students.

The UNC Greensboro College of Visual and Performing Arts helps students transform passion into professional purpose. Our unique pathway to career success unlocks creativity and assists students to develop into a visual or performing artist, scholar, or arts educator.

The College consists of four Schools: Art, Dance, Music, and Theatre. Within these schools, we offer nationally accredited programs and an impressive variety of degrees and certificates at the bachelor's through the doctoral levels.

All students wishing to enter the B.M. or the B.F.A. programs must audition or interview for placement. Refer to each School's bulletin for specific information concerning auditions and admissions procedures.

In addition to the degrees and courses housed within the Schools of Art, Dance, Music, and Theatre, a number of interdisciplinary courses in the arts are offered and a minor in Interdisciplinary Art and Social Practice.

With around 1,400 students, excellent facilities, and an internationally recognized faculty of well over 100 members, the College of Visual and Performing Arts is a vibrant community of artists that annually produces more than 400 performances, exhibits, lectures, and other events.

The College is engaged with its community and committed to student success. As the largest and most comprehensive school of the visual and performing arts in North Carolina and one of the largest in the Southeast, it has the capacity to provide unique interdisciplinary experiences. CVPA has a strong record of helping students develop their craft and the necessary knowledge to succeed in the highly competitive world of the

arts. Because the College is part of a comprehensive research university, a full range of interdisciplinary and collaborative opportunities are close at hand.

## Mission Statement

In accordance with the mission of the University, the College of Visual and Performing Arts seeks to enable students to understand and embrace artistic expression, empowering them to enrich the human experience for themselves and others. Acknowledging the enduring traditions of excellence in each discipline, the College of Visual and Performing Arts, strives to:

- **Teach** the imaginative, critical, aesthetic, and technical skills essential to the creative process, scholarly inquiry, and professional engagement in the continually evolving fields of the visual and performing arts;
- **Promote** discovery and foster inclusive learning that enriches the understanding of human diversity and global issues as they relate to the visual and performing arts;
- **Prepare** undergraduate students with comprehensive curricula appropriate to the various degree programs offered by the College of Visual and Performing Arts;
- **Equip** graduate students to become experts and leaders in their fields through advanced study and training; and
- **Present** public performances, shows, and events, and provide artistic resources, education, and outreach to the local, regional, national, and international communities while enhancing student learning, promoting faculty scholarship and creative activities, and enriching the lives of all citizens as well as showcasing the College and University.

## Accreditations and Memberships

- CAEP Council for the Accreditation of Educational Professionals
- NASAD National Association of Schools of Art and Design
- NASD National Association of Schools of Dance
- NASM National Association of Schools of Music
- NAST National Association of Schools of Theatre
- URTA University Resident Theatre Association
- Interdisciplinary Art and Social Practice Undergraduate Minor (p. 495)
- School of Art (p. 496)
  - Art, B.A. (p. 497)
  - Arts Administration, B.A. (p. 498)
  - Art Education (K-12), B.F.A. (p. 499)
  - Studio Art, B.F.A. (p. 501)
  - Art History Undergraduate Minor for Artists and Art Museum Studies (p. 504)
  - Art History Undergraduate Minor (p. 504)
  - Arts Administration Undergraduate Minor (p. 504)
  - New Media and Design Undergraduate Minor (p. 504)
  - Painting Undergraduate Minor (p. 505)
  - Photography Undergraduate Minor (p. 505)
  - Printmaking and Drawing Undergraduate Minor (p. 505)
  - Sculpture and Ceramics Undergraduate Minor (p. 506)
  - Studio Art Undergraduate Minor (p. 506)
  - Art Second Academic Concentration (p. 506)
  - Studio Arts, M.F.A. (p. 506)

- School of Dance (p. 508)
  - Dance Studies, B.A. (p. 508)
  - Dance, B.F.A. (p. 510)
  - Dance Undergraduate Minor (p. 512)
  - Dance, M.A. (p. 513)
  - Dance, M.F.A. (p. 513)
  - Dance Education, M.A. (p. 514)
  - Dance, Post-Baccalaureate Certificate (p. 515)
  - Dance, Post-Baccalaureate Licensure (p. 515)
- School of Music (p. 517)
  - Music, B.A. (p. 519)
  - Music Education, B.M. (p. 520)
  - Performance, B.M. (p. 523)
  - Music Undergraduate Minor (p. 531)
  - Music Composition, M.M. (p. 531)
  - Music Education, M.M. (p. 531)
  - Music Theory, M.M. (p. 532)
  - Performance, M.M. (p. 532)
  - Music, D.M.A. (p. 537)
  - Music Education, Ph.D. (p. 538)
  - Conducting, Post-Bacclaureate Certificate (p. 538)
  - Ethnomusicology, Post-Baccalaureate Certificate (p. 539)
  - Historical Keyboard Performance, Post-Baccalaureate Certificate (p. 539)
  - Jazz Studies, Post-Baccalaureate Certificate (p. 540)
  - Music Composition, Post-Baccalaureate Certificate (p. 540)
  - Music Education, Post-Baccalaureate Certificate (p. 541)
  - Music Performance Study, Post-Baccalaureate Certificate (p. 541)
  - Music Technology, Post-Baccalaureate Certificate (p. 542)
  - Music Theory, Post-Baccalaureate Certificate (p. 542)
  - Musicology, Post-Baccalaureate Certificate (p. 543)
  - Music Theory Pedagogy, Post-Master's Certificate (p. 543)
- School of Theatre (p. 545)
  - Drama, B.A. (p. 546)
  - Drama, B.F.A. (p. 547)
  - Drama Undergraduate Minor (p. 552)
  - Technical Theatre Undergraduate Minor (p. 552)
  - Theatre Management Undergraduate Minor (p. 552)
  - Drama, M.F.A. (p. 553)

must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside of the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice.

Any B.A. student who is pursuing a double major or seeking K-12 licensure in conjunction with his or her major area is exempt from this requirement.

## **Minor Requirement for Students Pursuing a B.A. Degree in the College of Visual and Performing Arts**

The College of Visual and Performing Arts believes in and promotes the study of the arts in the context of a broad, liberal arts curriculum. In order to gain a larger intellectual perspective, students are encouraged to pursue their major field of study within an open but disciplined plan of study.

To aid in this process, the CVPA minor requirement builds on the university's General Education Program - Minerva's Academic Curriculum (MAC). In addition to the course requirements stated in MAC, students pursuing a B.A. degree in the College of Visual and Performing Arts

# Interdisciplinary Art and Social Practice Undergraduate Minor

The Interdisciplinary Art and Social Practice minor develops and explores a diverse range of interdisciplinary practices and creative strategies for socially-engaged art and cultural production.

## Program Requirements

- 18 credit hours

Code	Title	Credit Hours
<b>Three courses chosen from the following:</b>		<b>9</b>
AAD 301	Arts Management	
AAD 202	Arts Admin and Entrepreneurship	
ARE 260	Art, Education, and Social Practice	
VPA 324	The Arts as Social Change: Theory and Practice	
VPA 428	Rsrch Mthds in Social Prctce	
<b>Select 2 courses from the following:</b>		<b>6</b>
ART 349	Expanded Print Media	
MUS 343		
PHI 301	Topics in Philosophy	
PHI 322	Philosophy of the Arts	
VPA 323		
AAD 455	Arts and Entrepreneurship: Career Strategies for Artists	
MUS 492	Capstone Seminar in Music Studies	
<b>Participate in one Externship</b>		<b>3</b>
VPA 496	Independent Study / Directed Research	

\* Additional course requests can be taken with permission.

# School of Art

## College of Visual and Performing Arts

138 Gatewood Studio Arts Center  
336-334-5248  
<http://art.uncg.edu>

**Barbara Campbell Thomas**, *Director of the School of Art*  
**Jennifer Meanley**, *Graduate Program Director*  
**Sunny Spillane**, *Director of Undergraduate Studies*

The School of Art offers the following undergraduate degree programs:

- B.F.A.—Studio Art major, concentrations in Animation, New Media and Design, Painting, Photography, Printmaking and Drawing, and Sculpture and Ceramics
- B.F.A.—Art Education with K-12 Professional I Teaching Licensure
- B.A.—Art major, concentrations in Art History and Studio Art
- B.A. — Arts Administration major, with an available concentration in Art Museum Studies

The School of Art offers graduate work leading to a Master of Fine Arts with a major in Studio Arts.

UNCG is an accredited institutional member of the National Association of Schools of Art and Design (NASAD)

Only those students enrolled in a degree program with a full-time load of courses may use space, equipment, and facilities of the School of Art. Part-time students may use only the facilities directly connected with the courses in which they are enrolled.

## Mission Statement

The mission of the School of Art is founded on three passionately held principles:

- First, that the exploration of ideas through the visual arts is both necessary and culturally valuable;
- Second, that an understanding of visual communication within contemporary society is critical for an informed world view; and
- Third, that an appreciation and knowledge of art history, past and present, is essential to both young scholars and developing artists.

In the School of Art, committed faculty, who actively exhibit and publish nationally and internationally, model the high standards we hold our students to in the visual arts, art history, and art education. Our students individually challenge, explore, and push the boundaries of their given field, whether it be establishing an independent vision or perspective in the studio, exploring new facets of art history, or developing their own voices as art educators. Through this diversity, our program offers students a strong, self-motivated course of study where majors have meaningful contact with faculty across disciplines, methodologies, and practices.

The school's studio and art education facilities are located in the Maud F. Gatewood Studio Arts Building on Highland Avenue. Art historians have offices located in the Weatherspoon Art Museum.

## Professor

Michael Ananian<sup>G</sup>  
Barbara Campbell Thomas<sup>G</sup>  
Heather Lynn Holian<sup>G</sup>

Elizabeth A. Perrill<sup>G</sup>  
Mariam Aziza Stephan<sup>G</sup>  
Lee Morgan Walton<sup>G</sup>  
Patricia Wasserboehr<sup>G</sup>

## Associate Professor

Nikki L. Blair<sup>G</sup>  
Christopher M. Cassidy<sup>G</sup>  
Maria E Lim<sup>G</sup>  
Jennifer H. Meanley<sup>G</sup>  
Rachele Riley<sup>G</sup>  
Leah Jassin Sobsey<sup>G</sup>  
Sunny R. Spillane<sup>G</sup>

## Assistant Professor

Rodgers Dameron  
Tori Foster<sup>G</sup>  
Hannah Grannemann  
Daniel G Hale<sup>G</sup>  
Kelley Anne O'Brien<sup>G</sup>  
Kasia Ozga  
Jennifer A Reis  
Emily Leslie Voelker<sup>G</sup>

## Academic Professional Assistant Professor

Christopher Michael Thomas<sup>G</sup>  
Kevin M. Vanek<sup>G</sup>  
Jed David Watson<sup>G</sup>

## Senior Lecturer

Bryan C. Ellis<sup>G</sup>  
Topher Michael Alexander  
Max Burlon Baynes  
Conner Conner Calhoun  
Jackson Cooper  
Billy Dee  
Rachel Stuart Fesperman  
Heather Rosalie Hoge  
Taylor Jonathan Hunkins  
Tamra Leigh Hunt  
Robert D. Igoe  
Rachel Christian Jessen  
Dellil Liban Mohammed  
Kate L Robinson  
Michelle Podgorski Rodenberg  
Kendrick Wayne Shackleford  
Brittany A Sheldon  
Nathan Borradaile Wright  
Heidi Zenisek

## G Graduate-level faculty

- Art, B.A. (p. 497)
- Arts Administration, B.A. (p. 498)
- Art Education (K-12), B.F.A. (p. 499)
- Studio Art, B.F.A. (p. 501)
- Art History Undergraduate Minor for Artists and Art Museum Studies (p. 504)
- Art History Undergraduate Minor (p. 504)
- Arts Administration Undergraduate Minor (p. 504)

- New Media and Design Undergraduate Minor (p. 504)
- Painting Undergraduate Minor (p. 505)
- Photography Undergraduate Minor (p. 505)
- Printmaking and Drawing Undergraduate Minor (p. 505)
- Sculpture and Ceramics Undergraduate Minor (p. 506)
- Studio Art Undergraduate Minor (p. 506)
- Art Second Academic Concentration (p. 506)
- Studio Arts, M.F.A. (p. 506)

## Art, B.A.

The Art History concentration is for those students wishing to pursue careers either in art scholarship or the museum and gallery profession. Those thinking primarily of Art History are encouraged to study the foreign languages needed for scholarship, particularly French and German.

The Studio Art concentration combines a liberal arts education grounded in the humanities with studio practice. A B.A. degree is ideal for students interested in a range of post-graduate fields and art-related professional careers. All studio and Art Education (K-12) students entering the art department begin in the B.A. Studio Art concentration.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

### Related Area Requirements

All B.A. students in the School of Art are required to complete the following Foreign Language requirement:

GFL—Foreign Language (0–12 credits) Intermediate level proficiency in one language, demonstrated by placement test, or completion of course work through course number 204.

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Art History
- Studio Art

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

## Art History Concentration Requirements

- Minimum 39 credit hours in Art.
- No concentration requirements may be met with a grade lower than C (2.0).

Code	Title	Credit Hours
<b>Required</b>		
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
ARH 219	Foundations in Art History Research	
ARH 405	Research Topics in Art *	
<i>Select one of the following courses:</i>		
ART 120	Fundamentals of Drawing	
ART 140	Foundations in New Media and Design I	
ART 150	Three-Dimensional Foundations I	
<b>Additional Studio Course</b>		
<i>Select one 200-level Studio Art course</i>		
<b>Art History</b>		
<i>Select at least 18 credits of Art History (ARH) course work at the 300 level or above</i>		

\* To be taken in the junior or senior year.

## Studio Art Concentration

- Minimum 51 credit hours in Art.

Code	Title	Credit Hours
<b>Studio Foundation</b>		
ART 105	Foundations Seminar	
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ART 120	Fundamentals of Drawing	
ART 140	Foundations in New Media and Design I	
ART 150	Three-Dimensional Foundations I	
<i>Foundation Semester 1</i>		
ART 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ART 220	Intermediate Drawing	
ART 240	Foundations in New Media and Design II *	
ART 253	Three-Dimensional Foundations II *	
<i>Foundation Semester 2</i>		
ART 253	Three-Dimensional Foundations III **	
ART 220	Intermediate Drawing	
ART 240	Foundations in New Media and Design II (If not taken in Semester 2.) **	
<i>or ART 253 Three-Dimensional Foundations II</i>		
<b>Additional Requirements</b>		
<i>Select 3 credits of Art History at 200 level or above</i>		
<i>Select 6 credits of Art History at 300 level or above</i>		
<i>Select 15 credits of Studio Art above the 100 level</i>		

- \* Or substitute for either ART 240 or ART 253 with ONE of the following: ARE 260, ART 285, or ART 286.
- \*\* Either ART 240 or ART 253 if not taken in Semester 2.
- <sup>1</sup> At least 9 credits must be at 300 level or above.

## College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

### Disciplinary Honors in Art

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	6-9
ART 493	Honors Work or ARH 493 Honors Work	
Select 3 credits of any ARE, ARH, or ART Honors course above the 100 level		3
Select any 400-level ARE, ARH, or ART course		3
Select any ARE, ARH, or ART Honors contract course		3

#### Recognition

Receive a Certificate of Disciplinary Honors in Art; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

#### Honors Advisor

Contact Heather Holian at [hlholian@uncg.edu](mailto:hlholian@uncg.edu) for further information and guidance about Honors in Art. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Arts Administration, B.A.

The Arts Administration Program offers a B.A. in Arts Administration and a Minor in Arts Administration. Majors can choose to concentrate in Art Museum Studies.

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The Arts Administration, B.A. major is available in a **traditional as well as a hybrid format**.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

- Minimum grade of C required for all courses to count toward the major.
- A minimum of 31 credits in residence at UNC Greensboro:
  - 12 credits must be in the major field
  - 9 credits must be in the minor

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Core Courses</b>		
AAD 202	Arts Admin and Entrepreneurship	27
AAD 301	Arts Management	
AAD 310	Managing and Leading in the Arts	
AAD 320	Arts Marketing	
AAD 450	Careers in Arts Administration	
ACC 201	Financial Accounting	
ENT 200	Introduction to Entrepreneurial Finance	
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis	
or PSC 311	The Nonprofit Sector and Governance	
VPA 323		
<b>Arts Administration Electives</b>		
3 credits chosen from the following:		
AAD 300X	Experimental Course	3
AAD 321	Fundraising in the Arts	
AAD 360	Introduction to Community Arts	
AAD 376	Micro-Enterprise for Creatives	
AAD 380	Introduction to Art Museum Studies	
AAD 381	Intro to Art Museum Collections	
AAD 400X	Experimental Course	
AAD 475	Independent Study	
AAD 478	Variable Topics in Arts Administration	
AAD 493	Honors Work	
ARH 490	Art Museums and Exhibition Spaces	
ART 276	Creative Space: The Meeting of Art and Entrepreneurship	
ART 286	Digital Photography I	
ART 341	Typographics I	
ART 344	Imaging I	
ART 345	Interactivity I	
DCE 255	Dance Production Practicum I	
DCE 355	Dance Production Practicum II	
DCE 360	Dance Production	
DCE 455	Arts and Entrepreneurship: Career Strategies for Artists	

ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis	
MUP 220	Making Music with Computers	
MUP 349	Audio Recording I	
MUP 402	Entrepreneurship in the Performing Arts	
MUP 421	Music Technology in Performance	
PSC 311	The Nonprofit Sector and Governance	
THR 484	Theatre Management	
THR 489	Developing and Managing Educational Programs for Arts Organizations	
THR 493	Advanced Theatre Practice - Theatre Management	
<b>Arts-Related Courses</b>		<b>6</b>
<i>6 credits chosen from the courses with an ARH, ART, DCE, MUP, MUS, VPA, or THR prefix.</i>		
<b>CVPA Electives</b>		<b>6</b>
<i>6 credits in the College of Visual and Performing Arts (AAD, ART, ARE, ARH, DCE, ENS, MUE, MUP, MUS, THR, VPA) at the 200 level or above.</i>		
<b>Capstone Experience</b>		<b>3</b>
AAD 498	Internship in Arts Administration and Entrepreneurship	

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Art Museum Studies

## Electives

Electives sufficient to complete the 120 credit hours required for the degree. See advisor or program website (<https://vpa.uncg.edu/home/arts-administration/>) for recommended electives.

### Art Museum Studies Concentration Requirements

- 27 credit hours, to include at least 6 credits at or above the 300 course level.
- Courses taken within the Art Museum Studies concentration may count toward fulfilling requirements within the Arts Administration major for Arts Administration Electives, Arts-Related Courses, CVPA Electives, and free Electives.

Code	Title	Credit Hours
<b>Required</b>		
AAD 380	Introduction to Art Museum Studies	9
AAD 381	Intro to Art Museum Collections	
ARH 490	Art Museums and Exhibition Spaces	
<b>Art History Requirements</b>		<b>12</b>
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
ARH 219	Foundations in Art History Research	
<b>Select</b>		<b>6</b>

Choose 6 additional credits of ARH courses at the 300-level or above

## College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

Arts Administration majors should consider the available minors in Art, Business, Communication Studies, Dance, Entrepreneurship, Media Studies, Music, Political Science, or Theatre. Any B.A. student who is pursuing a double major is exempt from this requirement. It is common for Arts Administration students to pursue a double major or dual degree.

### Disciplinary Honors in Arts Administration

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
AAD 493	Honors Work	3-6
<b>9 credits of courses in the major at the 300-level or above with an Honors contract or Graduate level grading.</b>		9

#### Recognition

Receive a Certificate of Disciplinary Honors in Arts Administration; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

#### Honors Advisor

See Hannah Grannemann, Director of the Arts Administration Program for further information and guidance about Honors in Arts Administration. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Art Education (K-12), B.F.A.

The Art Education (K-12) B.F.A. program offers academic breadth and concentration in a studio discipline. Upon successful completion of the program, students in the Art Education program are recommended for Standard Professional I Teacher Licensure.

The Art Education program's goal is to contribute to preparing K-12 art teachers for the future, fully aware of the needs of a global and diverse society, highly knowledgeable in their field, committed to diversity and multiculturalism, open to new ideas and adaptable to change. Upon completion of the program, students will have developed advanced art studio skills, content knowledge of art history, education, art education theory and pedagogy from historical and contemporary perspectives, technology skills, and have had quality preparation in general education. In addition, the program aims to help develop in students and children appropriate dispositions to include respect and acceptance of diversity in a creative, productive, and peaceful society.

### B.F.A. Portfolio Review

Admittance to the B.F.A. program in Art Education, New Media and Design, Painting, Photography, Printmaking and Drawing, or Sculpture and Ceramics is contingent upon successful review of a portfolio by a rotating committee of School of Art faculty.

Non-transfer students enrolled in the B.A. Studio Art degree program may seek entrance into the B.F.A. Studio Art degree program in the third semester of the Studio Foundation Program course sequence, and must apply before completing a total of 28 credit hours of ART, ARH, or ARE courses. Students who fail the portfolio review may re-apply once, and must do so in the following semester. Transfer students must complete the UNC Greensboro Studio Foundation Program and must apply as early as they are eligible to do so.

Students who apply to the B.F.A. program as second-degree students will be given the opportunity to appeal the initial portfolio review at the start of their application process.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Core studio courses for major concentrations may be closed to students who are not enrolled in a degree program full-time.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

### Requirements for Graduation and Standard Professional I Teaching Licensure K-12 for all Students Entering the Program Beginning Fall 2018

- Complete all academic coursework outlined below.
- Minimum 3.0 overall GPA.
- Earn passing scores in Praxis 1: Core Academic Skills & Praxis 2: Content Knowledge
- Complete and pass the Electronic Art Education Teaching Portfolio (EdTPA & TaskStream: watermarkinsights.com)
- Successfully complete student teaching performance at an Elementary, Middle, or High School level.
- Successfully complete and pass required evaluations including Candidate Disposition Assessment Profile (CDAP), Teacher Candidate Evaluation (TCE), and Certificate of Teaching Capacity (COTC) as implemented throughout the program.

Code	Title	Credit Hours
Art History		9
	Select three courses in Art History above the 100 level. *	
Studio Foundation		28
	Foundations Semester 1	
ART 105	Foundations Seminar	

ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ART 120	Fundamentals of Drawing	
ART 140	Foundations in New Media and Design I	
ART 150	Three-Dimensional Foundations I	
	<i>Foundations Semester 2</i>	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ART 220	Intermediate Drawing	
ART 240	Foundations in New Media and Design II **	
ART 253	Three-Dimensional Foundations II **	
	<i>Foundations Semester 3</i>	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
ART 240	Foundations in New Media and Design II (If not taken in Semester 2.) ***	
	or ART 253 Three-Dimensional Foundations II	
	<b>B.F.A. Portfolio Review</b>	
	See Admissions and Policies for the major.	
<b>Studio Art</b>		3
ART 221	Life Drawing I	
<b>Crafts Art</b>		6
	Select one of the following:	
ART 281 & ART 373	Ceramics I and Design Methods for the Crafts	
ART 281 & ART 381	Ceramics I and Ceramics II	
	<b>Area of Emphasis</b>	9
	Select 9 credits from one of the following Areas of Emphasis:	
	<i>New Media and Design</i>	
ART 340	Sequencing I	
ART 341	Typographics I	
ART 344	Imaging I	
ART 345	Interactivity I	
ART 347	Imaging II	
ART 441	Typographics III	
ART 442	Sequencing II	
ART 445	Advanced Digital Modeling	
ART 446	Research and Professional Practices in New Media and Design	
	<i>Painting</i>	
ART 232	Painting I	
ART 321	Life Drawing II	
ART 322	Variable Topics in Drawing	
ART 335	Painting II	
ART 337	Painting III	
	<i>Photography</i>	
ART 285	Photography I	
ART 286	Digital Photography I	
ART 344	Imaging I	
ART 384	Photojournalism and Documentary Photography	
ART 385	Photography II	
ART 386	Studio Lighting for Photography	
ART 387	Alternative Photographic Processes	
ART 388	Photographic Interaction	

**Printmaking and Drawing**

ART 321	Life Drawing II
ART 322	Variable Topics in Drawing
ART 324	Screen Printing and Monoprint
ART 326	Printmaking I
ART 328	Printmaking II
ART 329	Lithography
ART 349	Expanded Print Media
ART 420	Advanced Drawing

  

ART 353	Metal Casting
ART 354	Metal Sculpture
ART 355	Sculpture I
ART 356	Sculpture II
ART 382	Ceramic Glaze Techniques
ART 481	Ceramics III

**Art Education** 30

<i>Pedagogical Expertise/Art Education</i>	
ARE 260	Art, Education, and Social Practice
ARE 361	Foundations of Art Education
ARE 363	Art Curriculum and Teaching Methods in the Elementary School
ARE 364	Practicum Service-Learning
ARE 365	Art Curriculum and Teaching Methods in the Secondary School
ARE 368	Research in Contemporary Issues in Art Education

  

<i>Professional Development</i>	
ARE 465	Student Teaching

\* May not include ARH 110, ARH 111, or ARH 112.

\*\* Or substitute for either ART 240 or ART 253 with ONE of the following: ARE 260, ART 285, or ART 286.

\*\*\* Either ART 240 or ART 253 if not taken in Semester 2.

**Teacher Education Requirements**

Code	Title	Credit Hours
<b>Required</b>		
TED 401	Child and Adolescent Development and Learning	3
TED 403	Teaching Multilingual Learners with Diverse Abilities	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	

**Admission to Undergraduate Teacher Education Program****Admission Requirements for Teacher Education**

During the spring semester of their sophomore year, students must apply for admission to Undergraduate Teacher Education.

1. Online application submission
2. Minimum Praxis I exam score of 522
3. Medical clearance

4. Criminal background check completed (BIB)
5. Minimum 3.0 GPA

**Admission Requirements for Student Teaching**

During the spring semester of their junior year, students must apply for admission to student teaching for the following spring. The Student Teaching course is offered only in the spring semester.

1. Application and attachments submitted to the Art Education Coordinator by February 10
2. Minimum 3.0 overall GPA
3. Criminal background check completed (BIB)
4. Pass Praxis I (Core Academic Skills-Reading, Math, and Writing) and Praxis 2 (Art Content Knowledge and Analysis)
5. Successful studio portfolio review and admission interview
6. Complete the Art Education courses in the Major requirements above.
7. Evidence of skills, knowledge, dispositions, and competencies as set and evaluated by the department

**Electives**

Electives sufficient to complete the 120 credit hours required for the degree.

**Disciplinary Honors in Art****Requirements**

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	
ART 493	Honors Work	
	or ARH 493 Honors Work	
<b>Select 3 credits of any ARE, ARH, or ART Honors course above the 100 level</b>		3
<b>Select any 400-level ARE, ARH, or ART course</b>		3
<b>Select any ARE, ARH, or ART Honors contract course</b>		3

**Recognition**

Receive a Certificate of Disciplinary Honors in Art; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

Contact Heather Holian at [hlholian@uncg.edu](mailto:hlholian@uncg.edu) for further information and guidance about Honors in Art. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

**Studio Art, B.F.A.**

The B.F.A. program is designed for students who are serious about pursuing careers as professional artists. The B.F.A. is a pre-professional degree leading to the M.F.A. or directly to a career in the Fine Arts.

**B.F.A. Portfolio Review**

Admittance to the B.F.A. program in Animation, Art Education, New Media and Design, Painting, Photography, Printmaking and Drawing, or Sculpture

and Ceramics is contingent upon successful review of a portfolio by a rotating committee of School of Art faculty.

Non-transfer students enrolled in the B.A. Studio Art degree program may seek entrance into the B.F.A. Studio Art degree program in the third semester of the Studio Foundation Program course sequence, and must apply before completing a total of 28 credit hours of ART, ARH, or ARE courses. Students who fail the portfolio review may re-apply once, and must do so in the following semester. Transfer students must complete the UNC Greensboro Studio Foundation Program and must apply as early as they are eligible to do so.

Students who apply to the B.F.A. program as second-degree students will be given the opportunity to appeal the initial portfolio review at the start of their application process.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Core studio courses for major concentrations may be closed to students who are not enrolled in a degree program full-time.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Art History</b>		
Select three courses in Art History above the 100 level.*		
<b>Studio Foundation</b>		
<i>Foundation Semester 1</i>		
ART 105	Foundations Seminar	
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ART 120	Fundamentals of Drawing	
ART 140	Foundations in New Media and Design I	
ART 150	Three-Dimensional Foundations I	
<i>Foundation Semester 2</i>		
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ART 220	Intermediate Drawing	
ART 240	Foundations in New Media and Design II	
ART 253	Three-Dimensional Foundations II	
<i>Or substitute one of the following for either ART 253 or ART 240</i>		
ART 285	Photography I	
ART 286	Digital Photography I	
ARE 260	Art, Education, and Social Practice	
<i>Foundation Semester 3</i>		
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
ART 240	Foundations in New Media and Design II**	
or ART 253 Three-Dimensional Foundations II		
<b>Senior Show</b>		

All students in their senior year are required to submit ready-to-exhibit work(s) to the Senior Show.

\* May not include ARH 110, ARH 111, ARH 112

\*\* If postponed from Semester 2, choose either ART 240 or ART 253

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Animation
- New Media and Design
- Painting
- Photography
- Printmaking and Drawing
- Sculpture and Ceramics

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Animation Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
ART 221	Life Drawing I	30
ART 295	Analysis of Global Animation	
ART 340	Sequencing I	
ART 378	Concept Art	
ART 379	2D Animation	
ART 395	Storyboarding for Animation	
ART 398	Introduction to Digital Modeling	
ART 399	Introduction to 3D Animation	
ART 445	Advanced Digital Modeling	
ART 495	Advanced Animation	
<b>Capstone</b>		
ART 491	Animation Capstone 1	6
ART 492	Animation Capstone 2	
<b>Art or Related Electives</b>		
Select 6 credits of ART, ARE, ARH, or AAD electives *		

\* Recommended but not required: Choose from 300 level or above

### New Media and Design Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
ART 221	Life Drawing I	15
ART 340	Sequencing I	
ART 341	Typographics I	
ART 344	Imaging I	
ART 345	Interactivity I	
<b>New Media and Design</b>		
		6

Select 6 credits from ART courses numbered in the 340s, 390s, 440s, 490s, or ART 373	
<b>Advanced New Media and Design</b>	<b>9</b>
Select 9 credits from ART courses numbered in the 440s or 490s	
<b>Capstone *</b>	<b>3</b>
ART 447      New Media and Design Capstone	
<b>Art or Related Electives</b>	<b>9</b>
Select 9 credits of ART or related electives *	

\* Recommended but not required: Choose from 300 level or above

## Painting Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>24</b>
ART 221      Life Drawing I		
ART 232	Painting I	
ART 321	Life Drawing II	
ART 322	Variable Topics in Drawing	
ART 335	Painting II	
ART 337	Painting III	
ART 420	Advanced Drawing	
ART 482	Capstone Painting Studio and Practice Seminar	
<b>Printmaking</b>		<b>6</b>
Select 6 credits of Printmaking from the following:		
ART 324	Screen Printing and Monoprint	
ART 326	Printmaking I	
ART 328	Printmaking II	
ART 329	Lithography	
ART 349	Expanded Print Media	
<b>Art or Related Electives</b>		<b>12</b>
Select 12 credits of ART, ARE, ARH, or AAD electives *		

\* Recommended but not required: Choose from the 300 level or above

## Photography Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>24</b>
ART 221      Life Drawing I		
ART 285	Photography I	
ART 286	Digital Photography I	
ART 384	Photojournalism and Documentary Photography	
ART 385	Photography II	
ART 386	Studio Lighting for Photography	
ART 387	Alternative Photographic Processes	
ART 485	Photography Professional Practices Studio Capstone	
Select three courses from the following:		<b>9</b>
ART 345	Interactivity I	
ARH 350	History of Photography	
ART 388	Photographic Interaction	
ART 393	Practicum/Internship in Art Careers	

ART 441	Typographics III	
ART 442	Sequencing II	
ART 487	Variable Topics in Photography	
ART 496	Special Problems, Studio	
<b>Art or Related Electives</b>		<b>9</b>
Select 9 credits of ART or related electives *		

\* Recommended but not required: Choose from 300 level or above

## Printmaking and Drawing Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>30</b>
ART 221	Life Drawing I	
ART 321	Life Drawing II	
ART 322	Variable Topics in Drawing	
ART 324	Screen Printing and Monoprint	
ART 326	Printmaking I	
ART 328	Printmaking II	
ART 329	Lithography	
ART 349	Expanded Print Media	
ART 420	Advanced Drawing	
ART 427	Printmaking and Drawing Capstone	
<b>Art or Related Electives</b>		<b>12</b>
Select 12 credits of ART or related electives *		

\* Recommended but not required: Choose from 300 level or above

## Sculpture and Ceramics Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>30</b>
ART 221	Life Drawing I	
ART 281	Ceramics I	
ART 322	Variable Topics in Drawing	
ART 353	Metal Casting	
ART 354	Metal Sculpture	
ART 355	Sculpture I	
ART 356	Sculpture II	
ART 381	Ceramics II	
ART 459	Sculpture and/or Ceramics Studio Capstone	
ART 481	Ceramics III	
<b>Art or Related Electives</b>		<b>12</b>
Select 12 credits of ART or related electives *		

\* Recommended but not required: Choose from 300 level or above

## Disciplinary Honors in Art

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours	
<b>Required</b>		<b>6-9</b>	
HSS 490	Senior Honors Project		
ART 493	Honors Work		
or ARH 493	Honors Work		
<b>Select 3 credits of any ARE, ARH, or ART Honors course above the 100 level</b>		<b>3</b>	
<b>Select any 400-level ARE, ARH, or ART course</b>		<b>3</b>	
<b>Select any ARE, ARH, or ART Honors contract course</b>		<b>3</b>	
			<b>6</b>

#### Recognition

Receive a Certificate of Disciplinary Honors in Art; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

#### Honors Advisor

Contact Heather Holian at [hlholian@uncg.edu](mailto:hlholian@uncg.edu) for further information and guidance about Honors in Art. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Art History Undergraduate Minor for Artists and Art Museum Studies

### Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours	
<b>Required</b>			
ARH 219	Foundations in Art History Research	3	
<b>Select a minimum of an additional 15 credits of Art History courses above the 100 level. *</b>		<b>15</b>	

\* At least 9 credits must be at the 300 level or above.

The Art History Undergraduate Minor for Artists and Art Museum Studies is open only to students enrolled in the BA and BFA degree programs in the School of Art and the BA in Arts Administration concentrating in Art Museum Studies.

## Art History Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours	
<b>Required</b>		<b>12</b>	
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000		

ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800
ARH 112	Survey of Global Art Histories 3: c.1800 to Present
ARH 219	Foundations in Art History Research
<b>Select</b>	
	Select six additional credits of Art History courses at the 300 level or above.

The Art History Minor is available to all undergraduate students except BFA majors in Studio Art or Art Education (K-12), BA majors in Studio Art and Art History, and BA majors in Arts Administration concentrating in Art Museum Studies.

## Arts Administration Undergraduate Minor

The minor in Arts Administration complements study in a wide range of fields including music, theatre, dance, the visual arts, creative writing, communications, media studies, and business.

### Program Requirements

- 18 credit hours as listed below
- A grade of C or better is required in all course work toward the minor

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
AAD 202	Arts Admin and Entrepreneurship	
ACC 201	Financial Accounting	
or FIN 200	Introduction to Entrepreneurial Finance	
AAD 301	Arts Management	
AAD 310	Managing and Leading in the Arts	
AAD 320	Arts Marketing	
	<i>Choose one of the following courses:</i>	
BUS 300	Ideas to Sustainable Opportunities: Feasibility Analysis	
PSC 311	The Nonprofit Sector and Governance	
AAD 321	Fundraising in the Arts	
AAD 380	Introduction to Art Museum Studies	
AAD 381	Intro to Art Museum Collections	
AAD 450	Careers in Arts Administration	
AAD 475	Independent Study	
AAD 478	Variable Topics in Arts Administration	
AAD 493	Honors Work	
ARH 490	Art Museums and Exhibition Spaces	

## New Media and Design Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
<b>Required</b>		<b>6</b>
ART 140	Foundations in New Media and Design I	
ART 240	Foundations in New Media and Design II	
<b>Select one from the following:</b>		<b>3</b>
ART 100	Introduction to Art	
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
<b>Select three from the following:</b>		<b>9</b>
ART 340	Sequencing I	
ART 341	Typographics I	
ART 344	Imaging I	
ART 345	Interactivity I	
ART 392	Typographics II	
ART 441	Typographics III	
ART 442	Sequencing II	
ART 445	Advanced Digital Modeling	
ART 446	Research and Professional Practices in New Media and Design	
ART 448	Variable Topics in New Media and Design	
ART 443	Interactivity II	

The New Media and Design Minor is available to all undergraduate students except B.F.A. majors in Studio Art or Art Education (K-12) and B.A. majors in Studio Art or Art History.

## Painting Undergraduate Minor Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
<b>Select</b>		<b>3</b>
<b>Select one from the following:</b>		
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
<b>Required</b>		<b>15</b>
ART 100	Introduction to Art	
ART 120	Fundamentals of Drawing	
ART 220	Intermediate Drawing	
ART 232	Painting I	
ART 335	Painting II	
ART 337	Painting III	

The Painting Minor is available to all undergraduate students except BFA majors in Studio Art or Art Education (K-12) and BA majors in Studio Art or Art History.

## Photography Undergraduate Minor Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
<b>Required</b>		<b>9</b>
ART 140	Foundations in New Media and Design I	
ART 285	Photography I	
ART 286	Digital Photography I	
<b>Select one of the following courses:</b>		<b>3</b>
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
ART 100	Introduction to Art	
<b>Select two of the following courses:</b>		<b>6</b>
ART 384	Photojournalism and Documentary Photography	
ART 344	Imaging I	
ART 385	Photography II	
ART 386	Studio Lighting for Photography	
ART 387	Alternative Photographic Processes	
ART 388	Photographic Interaction	
ART 393	Practicum/Internship in Art Careers	
ART 487	Variable Topics in Photography	

The Photography Minor is available to all undergraduate students except B.F.A. majors in Studio Art or Art Education (K-12) and B.A. majors in Studio Art or Art History.

## Printmaking and Drawing Undergraduate Minor Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
<b>Select one course from the following:</b>		<b>3</b>
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
<b>Required</b>		<b>12</b>
ART 100	Introduction to Art	
ART 120	Fundamentals of Drawing	
ART 220	Intermediate Drawing	
ART 326	Printmaking I	
ART 328	Printmaking II	

Select one course from the following:

ART 221	Life Drawing I
ART 324	Screen Printing and Monoprint
ART 329	Lithography
ART 349	Expanded Print Media

The Printmaking and Drawing Minor is available to all undergraduate students except BFA majors in Studio Art or Art Education (K-12) and BA majors in Studio Art or Art History.

## Sculpture and Ceramics Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
<b>Required</b>		
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	12
ART 150	Three-Dimensional Foundations I	
ART 253	Three-Dimensional Foundations II	
ART 355	Sculpture I	
<b>Select</b>		
Select two from the following:		
ART 281	Ceramics I	6
ART 353	Metal Casting	
ART 354	Metal Sculpture	
ART 381	Ceramics II	

The Sculpture and Ceramics Minor is available to all undergraduate students except BFA majors in Studio Art or Art Education (K-12) and BA majors in Studio Art or Art History.

## Studio Art Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours
- Minimum grade of C in all courses taken to fulfill the minor requirements.

Code	Title	Credit Hours
<b>Select</b>		
Select one from the following:		
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	3
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ARH 112	Survey of Global Art Histories 3: c.1800 to Present	
ART 100	Introduction to Art	
<b>Required</b>		
ART 120	Fundamentals of Drawing	15
ART 140	Foundations in New Media and Design I	

ART 150	Three-Dimensional Foundations I
ART 220	Intermediate Drawing
ART 221	Life Drawing I

The Studio Art Minor is available to all undergraduate students except BFA majors in Studio Art or Art Education (K-12) and BA majors in Studio Art or Art History.

## Art Second Academic Concentration

The second academic concentration in Art is designed specifically for Elementary Education Majors.

### Requirements

- 18 credit hours as detailed below.

#### Art History Focus

Code	Title	Credit Hours
<b>Required</b>		
ARE 367	Child Art and Teaching	15
<i>Select one of the following:</i>		
ART 100	Introduction to Art	
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ART 120	Fundamentals of Drawing	
or ART 140 Foundations in New Media and Design I		
<i>Select one studio course *</i>		
<i>Select two additional art history (ARH) courses at the 300 and/or 400 level</i>		

\* Chosen from those for which ART 120 or ART 140 are prerequisites.

#### Studio Art Focus

Code	Title	Credit Hours
<b>Required</b>		
ART 232	Painting I	15
ARE 367	Child Art and Teaching	
<i>Select one of the following:</i>		
ART 100	Introduction to Art	
ARH 110	Survey of Global Art Histories 1: Prehistory to c.1000	
ARH 111	Survey of Global Art Histories 2: c.1000 to c.1800	
ART 120	Fundamentals of Drawing	
or ART 140 Foundations in New Media and Design I		
<i>Select one studio course *</i>		
<i>Select one additional art history (ARH) course at the 300 or 400 level</i>		

\* Chosen from those for which ART 120 or ART 140 are prerequisites.

## Studio Arts, M.F.A.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants should have a bachelor's degree in a visual arts discipline and must submit 20 images of recent work through the online application portal. Applicants with bachelor's degrees in other fields will be considered for admission if their portfolio demonstrates the ability to pursue work at the graduate level.

## Degree Program Requirements

**Required:** 60 credit hours

To complete the M.F.A. program, the student must complete 60 credit hours of course work in studio art, art criticism, art history and electives, pass all required examinations, and complete thesis work.

Code	Title	Credit Hours
<b>Required Courses (6-9 credits)</b>		
ARH 501	Topics in the History of Art <sup>1</sup>	3
ARH 503	Perspectives in Contemporary Art	3
ART 622	Drawing Marathon	3
<b>Studio Seminar (9-12 credits)</b>		
ART 610	Graduate Studio Seminar <sup>2</sup>	9-12
<b>Studio Courses (12 credits)</b>		
Select two courses (12 credits) from the following: <sup>3</sup>		12
ART 635	Painting	
ART 641	New and Expanded Media	
ART 657	Sculpture	
ART 682	Ceramics	
ART 685	Photography	
<b>Graduate Colloquium (6 credits)</b>		
ART 615	Graduate Studio and Colloquium <sup>4</sup>	6
<b>Art History Courses (6-9 credits)</b>		
Select 6-9 credits from 500- or 600-level ARH courses <sup>5</sup>		6-9
<b>Electives (0-12 credits)</b>		
Select sufficient credits from 500- or 600-level courses to complete the required 60 credits		0-12
<b>Thesis (6 credits)</b>		
ART 699	Thesis	6
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> Required when offered as part of the Summer Study Initiative international experience.

<sup>2</sup> Must be taken in each of the first three semesters; optional in the final semester.

<sup>3</sup> Take one studio course in each semester of the first year.

<sup>4</sup> Should be taken in the Fall semester of final year.

<sup>5</sup> 6 credits if ARH 501 was taken during the Summer.

## Admission to Candidacy

To be formally admitted to candidacy for the M.F.A. degree, students must have successfully completed two semesters of full-time graduate work, including ART 622 Drawing Marathon, removed all deficiencies, possess a B (3.0) average in all courses taken during the first two semesters, and have an overall grade record consistent with the regulations stated in the University Catalog. In addition, the application to candidacy must be approved by a committee of the Art Department graduate faculty to be appointed by the Department Head. The

committee will meet with students to review work and sign candidacy forms early in the fall semester of the second year of graduate work. Students are limited to two candidacy reviews. If a student is not admitted to candidacy during the first review, the review team will issue written recommendations for further studies. The second review will take place within a year of the first. Failure to pass candidacy for the second time will prohibit the student from continuing in the program.

## Oral Thesis Presentation

In the Spring semester of the graduating year, each M.F.A. candidate will give a formal oral presentation to their thesis committee concurrent with the installation of their thesis exhibition.

After passing candidacy review in the Fall semester of the final year, the student and the Thesis Chair consult together to name the remaining members of the committee. The Department Head and the Graduate Program Director review the membership of the committee before the student begins thesis work. The committee consists of four to five faculty members who hold graduate faculty status in the University. Part-time faculty do not serve on thesis committees. At least one member of the committee is a studio faculty member who teaches in the same discipline as the student's studio practice. One other member is an art historian, art educator, or member of the Weatherspoon Museum graduate faculty. It is optional for the student to select a graduate faculty member from another department in the university. This faculty member should pursue scholarly research that relates to the student's field of interest. Thesis Chairs are selected from the studio art or art history faculty.

Early in the final semester of thesis work, the student arranges a meeting with the thesis committee to discuss all aspects of final thesis work, including the thesis paper, the oral presentation, the comprehensive art history exam, and the thesis exhibition. The thesis paper should be 5-10 pages in length, conform to Graduate School requirements, and be signed by all committee members before it is electronically submitted to The Graduate School. The body of work submitted for the thesis exhibition must receive final approval of all thesis committee members.

# School of Dance

*College of Visual and Performing Arts*

323 Coleman Building  
336-334-5570  
<http://dance.uncg.edu> (<http://performingarts.uncg.edu>)

**Lee Walton**, *Director of Dance*

**Ana Paula Höfling**, *Graduate Program Director*

**Clarice Young**, *Director of Undergraduate Studies*

**Mila Parrish**, *Director of Dance Education*

**Janet Lilly**, *Dance Minor Advisor*

## Mission Statement

Within the context of UNC Greensboro's comprehensive liberal arts curriculum, the School of Dance offers bachelors and masters degrees that provide specialized skills for a variety of careers in the evolving field of dance. The school's primary goal is to teach students the imaginative, critical, and technical skills essential to the creative process and to scholarly inquiry. Our comprehensive curricula foster inclusive learning and intellectual curiosity framed by an engagement with cultural diversity, community outreach, and global issues as related to dance. The school prepares undergraduate and graduate students for further study and successful and productive lives as artists, educators, and scholars at the state, regional, national and international levels.

## Accreditation(s)

UNC Greensboro is an accredited institutional member of the National Association of Schools of Dance. The school's program leading to K-12 teaching licensure (Standard Professional I) for public school teaching is accredited by the North Carolina Department of Public Instruction.

## Admission to Dance Majors (B.A. and B.F.A.)

Admission for dance major programs in the School of Dance is by audition only. All prospective dance majors must participate in a selective admission process. This includes students currently at UNC Greensboro who have not been accepted as majors in the school. Prospective students apply to audition on the College of Visual and Performing Arts website and complete an on-site audition class.

## Graduate Programs

- Master of Arts (M.A.) in Dance Education
- Master of Arts (M.A.) in Dance, Theories and Practices concentration
- Master of Fine Arts (M.F.A.) in Dance, Choreography concentration
- Post-Baccalaureate Licensure in Dance

## Professor

Robin M. Gee<sup>G</sup>

Teresa Louise Heiland<sup>G</sup>

Larry E. Lavender<sup>G</sup>

Janet Lilly<sup>G</sup>

Mila L Parrish<sup>G</sup>

## Associate Professor

Ana Paula Höfling<sup>G</sup>

B.J. Sullivan<sup>G</sup>

Clarice Cecile Young<sup>G</sup>

## Assistant Professor

Marielis Wentworth Garcia

Maurice Watson<sup>G</sup>

## Lecturer

Virginia Ray Freeman Dupont<sup>G</sup>

Michael Job

Alfonso A. Rorie

Katie Thompson Williams

Arlynn Florine Zachary

*G Graduate-level faculty*

- Dance Studies, B.A. (p. 508)
- Dance, B.F.A. (p. 510)
- Dance Undergraduate Minor (p. 512)
- Dance, M.A. (p. 513)
- Dance, M.F.A. (p. 513)
- Dance Education, M.A. (p. 514)
- Dance, Post-Baccalaureate Certificate (p. 515)
- Dance, Post-Baccalaureate Licensure (p. 515)

## Dance Studies, B.A.

The B.A. Dance Studies degree focuses on general studies in dance within a liberal arts framework. Dance Studies B.A. students may choose to add the Dance K-12 Teaching Licensure concentration. All students admitted to the School of Dance are accepted from a mandatory entry audition.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Overall 2.50 or higher GPA in courses taken at UNC Greensboro (3.0 or higher GPA for Dance Education concentration)
- Minimum of 50 credit hours in DCE courses required for the program.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Dance Studies
- Dance Studies with K-12 Teaching Licensure

## Electives

Sufficient electives to complete the 120 total credit hours required for the degree.

## Dance Studies Concentration Requirements

- Overall 2.50 or higher GPA in courses taken at UNC Greensboro.
- Minimum 50 credits in Dance courses.

Code	Title	Credit Hours	
<b>Dance History</b>		<b>9</b>	
DCE 207	Dance History I: Modernism and Postmodernism		DCE 232 African Dance II
DCE 307	Dance History II: Mapping Diaspora		DCE 316 Jazz Dance III
DCE 405	Choreographies and Choreographers		DCE 332 African Dance III
			<i>Select 2 credits from the following and complete with a minimum grade of B (3.0):</i>
DCE 217	Exploration and Improvisation in Dance		DCE 212 Contemporary Dance II
DCE 241	Music for Dance		DCE 214 Ballet II
DCE 253	Choreography I: Craft		DCE 216 Jazz Dance II
DCE 255	Dance Production Practicum I		DCE 230 Somatic Practices in Dance
DCE 259	Introduction to Laban Movement Analysis		DCE 232 African Dance II
DCE 340	The Body and Motion in Dance		DCE 312 Contemporary Dance III
DCE 355	Dance Production Practicum II *		DCE 314 Ballet III
DCE 359	Foundations for Dance Education		DCE 316 Jazz Dance III
DCE 360	Dance Production		DCE 324 Contemporary Dance: Theory and High Intermediate-Level Technique
<b>Dance Technique</b>		<b>12</b>	DCE 330 Iyengar Yoga: Somatic Practice
	<i>Select a minimum of 2 credits from the following:</i>		DCE 332 African Dance III
DCE 112	Contemporary Dance I		DCE 412 Contemporary Dance IV
DCE 212	Contemporary Dance II		DCE 414 Ballet IV
DCE 312	Contemporary Dance III		
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique		
DCE 412	Contemporary Dance IV		
	<i>Select a minimum of 2 credits from the following:</i>		
DCE 114	Ballet I		
DCE 214	Ballet II		
DCE 314	Ballet III		
DCE 414	Ballet IV		
	<i>Select 1 credit from the following:</i>		
DCE 132	African Dance I		
DCE 232	African Dance II		
DCE 332	African Dance III		
	<i>Select 1 credit from the following:</i>		
DCE 132	African Dance I		
DCE 133	Tap Dance I		
DCE 216	Jazz Dance II		
DCE 231	Global Dance Forms		
DCE 232	African Dance II		
DCE 233	Tap Dance II		
DCE 316	Jazz Dance III		
DCE 332	African Dance III		
	<i>Select a minimum of 2 credits from the following:</i>		
DCE 212	Contemporary Dance II		
DCE 214	Ballet II		
DCE 312	Contemporary Dance III		
DCE 314	Ballet III		
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique		
DCE 412	Contemporary Dance IV		
DCE 414	Ballet IV		
	<i>Select an additional 2 credits from the following:</i>		
DCE 216	Jazz Dance II		
			<i>Select a minimum of 8 credits from the following:</i>
DCE 207	Dance History I: Modernism and Postmodernism		
DCE 307	Dance History II: Mapping Diaspora		
DCE 405	Choreographies and Choreographers		
<b>Dance Theory and Practice</b>		<b>15</b>	
DCE 217	Exploration and Improvisation in Dance		
DCE 241	Music for Dance		
DCE 253	Choreography I: Craft		
DCE 259	Introduction to Laban Movement Analysis		
DCE 340	The Body and Motion in Dance		
DCE 355	Dance Production Practicum II *		
DCE 360	Dance Production		
<b>Dance Technique</b>		<b>21</b>	
	<i>Select a minimum of 8 credits from the following:</i>		

DCE 112	Contemporary Dance I
DCE 212	Contemporary Dance II
DCE 312	Contemporary Dance III
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique
DCE 412	Contemporary Dance IV
<i>Select a minimum of 6 credits from the following:</i>	
DCE 114	Ballet I
DCE 214	Ballet II
DCE 314	Ballet III
DCE 414	Ballet IV
<i>Select a minimum of 1 credit from the following:</i>	
DCE 132	African Dance I
DCE 232	African Dance II
DCE 332	African Dance III
<i>Select a minimum of 4 credits from the following: **</i>	
DCE 212	Contemporary Dance II
DCE 214	Ballet II
DCE 312	Contemporary Dance III
DCE 314	Ballet III
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique
DCE 412	Contemporary Dance IV
DCE 414	Ballet IV
<i>Select 2 credits from the following:</i>	
DCE 216	Jazz Dance II
DCE 232	African Dance II
DCE 316	Jazz Dance III
DCE 332	African Dance III
<b>Teacher Licensure Requirements</b>	
	<b>26</b>
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings
TED 401	Child and Adolescent Development and Learning
TED 403	Teaching Multilingual Learners with Diverse Abilities
DCE 359	Foundations for Dance Education
DCE 459	Dance Education Methods and Field Experience <sup>1</sup>
DCE 461	Student Teaching in Dance Education
DCE 463	Seminar in Dance Education

\* Students must take DCE 355 for a total of 2 credits towards "Dance, Theory, and Practice": Taken once for 2 credits, or twice for 1 credit.

\*\* Requirements must be met with a grade of B or higher.

<sup>1</sup> DCE 459 is taken 3 times for a total of 9 credits.

## College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this

requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

## Disciplinary Honors in Dance

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirement in Dance and at least a 3.30 overall GPA at graduation.

Code	Title	Credit Hours
<b>Required</b>		
DCE 493	Honors Work *	
DCE 405	Choreographies and Choreographers	
<b>Select 6 credits of any additional DCE courses at the 300-400 level **</b>		<b>6</b>

\* B.F.A. students may substitute DCE 470 with permission of the instructor and the school Honors Liaison.

\*\* Taken as an Honors contract course.

### Recognition

Receive a Certificate of Disciplinary Honors in Dance; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Janet Lilly at [j\\_lilly@uncg.edu](mailto:j_lilly@uncg.edu) for information on admission to the Disciplinary Honors Program in Dance. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Dance, B.F.A.

The Dance B.F.A., Choreography and Performance Concentration provides training in dance as an art form with emphasis on creative and performance activities. Course work in Contemporary dance, African dance, Jazz dance, Ballet, choreography, and performance are central in the curriculum, providing preparation for professional dance careers and graduate study in dance.

The Dance B.F.A., Choreography and Performance with K-12 Standard Professional I Licensure concentration may be added by eligible students admitted to the school through audition and who are completing the B.F.A. in dance.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Overall 2.75 or higher GPA in courses taken at UNC Greensboro (3.0 or higher GPA for Dance Education concentration).
- Minimum of 78 credit hours in DCE courses required for the program.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Dance (Choreography and Performance)
- Dance (Choreography and Performance) with K-12 Standard Professional I Licensure

## Electives

Electives sufficient to complete 120 total credit hours required for degree.

### Dance (Choreography and Performance) Concentration Requirements

- Minimum of 78 credit hours in DCE courses required for the program.
- Overall 2.75 GPA or higher in courses taken at UNC Greensboro.

Code	Title	Credit Hours
<b>Dance Technique</b>		
<i>Select 6 credits from the following: *</i>		
DCE 312	Contemporary Dance III	
DCE 314	Ballet III	
DCE 316	Jazz Dance III	
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique	
DCE 412	Contemporary Dance IV	
DCE 414	Ballet IV	
DCE 416	Jazz Dance IV: Lineages and Legacies	
DCE 434	African Dance IV: Dance of the African Diaspora Practice and Theory	
<i>Select 8 credits from the following:</i>		
DCE 112	Contemporary Dance I	
DCE 212	Contemporary Dance II	
<i>Select 8 credits from the following:</i>		
DCE 114	Ballet I	
DCE 214	Ballet II	
DCE 314	Ballet III	
DCE 414	Ballet IV	
<i>Select 2 credits from the following:</i>		
DCE 132	African Dance I	
DCE 232	African Dance II	
<i>Select 6 credits from the following:</i>		
DCE 216	Jazz Dance II	
DCE 230	Somatic Practices in Dance	
DCE 231	Global Dance Forms	
DCE 232	African Dance II	
DCE 233	Tap Dance II	
DCE 316	Jazz Dance III	
DCE 330	Iyengar Yoga: Somatic Practice	
DCE 332	African Dance III	
DCE 431	Capoeira History and Practice	
<b>Dance Choreography, Performance, and Production</b>		<b>19-20</b>
DCE 217	Exploration and Improvisation in Dance	
DCE 241	Music for Dance	

DCE 253	Choreography I: Craft
DCE 259	Introduction to Laban Movement Analysis
DCE 355	Dance Production Practicum II **
DCE 360	Dance Production
DCE 453	Choreography III: Group Forms
DCE 465	Screen Dance
DCE 470	Creative Synthesis in Dance
or DCE 487	Performance Theory and Practice

### Dance Performance 6

*Select 6 credits from the following: <sup>1</sup>*

DCE 143	Dance Performance Workshop
DCE 243	Dance Repertory II
DCE 250	Dance Performance Practicum <sup>2</sup>
DCE 343	Repertory III <sup>1</sup>
or DCE 443	Advanced Dance Repertory

### Dance History and Theory 14

DCE 207	Dance History I: Modernism and Postmodernism
DCE 307	Dance History II: Mapping Diaspora
DCE 340	The Body and Motion in Dance
DCE 359	Foundations for Dance Education
DCE 455	Arts and Entrepreneurship: Career Strategies for Artists

### Dance Electives 8-9

*Select Dance (DCE) Electives to total 78 hours in Dance. <sup>3</sup>*

\* With a minimum grade of B (2.0).

\*\* DCE 355 is taken for 1 credit.

<sup>1</sup> Must include at least 2 credits as listed below:

DCE 343 OR DCE 443

<sup>2</sup> May not include more than 2 credits from this course, at least one of which must be 1 credit of DCE 250 in MFA student choreography.

<sup>3</sup> Recommended Dance Electives:

- DCE 331
- DCE 333
- DCE 405

### Dance (Choreography and Performance) with K-12 Standard Professional I Licensure Concentration Requirements

- Minimum of 78 credit hours in DCE courses required for the program.
- Overall 3.0 GPA or higher in courses taken at UNC Greensboro.
- Note: Completion of these courses does not guarantee licensure. Through advising, students are advised of additional requirements for documenting the evidence required for licensure. Contact the School of Education Office of Student Services at 336-334-3410 for more information.

Code	Title	Credit Hours
<b>Dance Technique</b>		
<i>Select 6 credits from the following: *</i>		
DCE 312	Contemporary Dance III	
DCE 314	Ballet III	

DCE 316	Jazz Dance III	<b>Teacher Licensure Requirements</b>	<b>24</b>
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique	SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings
DCE 332	African Dance III	TED 401	Child and Adolescent Development and Learning
DCE 412	Contemporary Dance IV	TED 403	Teaching Multilingual Learners with Diverse Abilities
DCE 414	Ballet IV	DCE 459	Dance Education Methods and Field Experience <sup>3</sup>
DCE 416	Jazz Dance IV: Lineages and Legacies	DCE 461	Student Teaching in Dance Education
DCE 434	African Dance IV: Dance of the African Diaspora Practice and Theory	DCE 463	Seminar in Dance Education
<b>Select 4 credits from the following:</b>		<b>Dance Electives</b>	<b>3-4</b>
DCE 112	Contemporary Dance I	<i>Select Dance (DCE) electives to total 78 credits in Dance</i>	
DCE 212	Contemporary Dance II		
<b>Select 4 credits from the following:</b>		<b>*</b> <i>With a minimum grade of B or higher</i>	
DCE 114	Ballet I	<b>**</b> <i>DCE 355 is taken for 1 credit.</i>	
DCE 214	Ballet II	<b>1</b> <i>Must include at least 2 credits as listed below:</i>	
DCE 314	Ballet III	DCE 343 OR DCE 443	
DCE 414	Ballet IV	<b>2</b> <i>May not include more than 2 credits from this course.</i>	
<b>Select 1 credit from the following:</b>		<b>3</b> <i>DCE 459 is taken 3 times for a total of 9 credits.</i>	
DCE 132	African Dance I		
<b>Select 2 credits from the following:</b>			
DCE 216	Jazz Dance II		
DCE 230	Somatic Practices in Dance		
DCE 231	Global Dance Forms		
DCE 232	African Dance II		
DCE 233	Tap Dance II		
DCE 316	Jazz Dance III		
DCE 330	Iyengar Yoga: Somatic Practice		
DCE 332	African Dance III		
DCE 431	Capoeira History and Practice		
<b>Dance Choreography, Performance, and Production</b>		<b>Disciplinary Honors in Dance Requirements</b>	
DCE 217	Exploration and Improvisation in Dance	<ul style="list-style-type: none"><li>• A minimum of 12 credit hours as defined below.</li></ul>	
DCE 241	Music for Dance	<ul style="list-style-type: none"><li>• A grade of A or B in all course work used to satisfy the Honors requirement in Dance and at least a 3.30 overall GPA at graduation.</li></ul>	
DCE 253	Choreography I: Craft		
DCE 259	Introduction to Laban Movement Analysis	<b>Code</b>	
DCE 355	Dance Production Practicum II <sup>**</sup>	<b>Title</b>	
DCE 360	Dance Production	DCE 493	Honors Work <sup>*</sup>
DCE 453	Choreography III: Group Forms	DCE 405	Choreographies and Choreographers
DCE 465	Screen Dance	<b>Credit Hours</b>	
DCE 470	Creative Synthesis in Dance	<b>Required</b>	
or DCE 487 Performance Theory and Practice		DCE 493	6
		DCE 405	
<b>Dance Performance</b>		<b>Select 6 credits of any additional DCE courses at the 300-400 level **</b>	
<b>Select 6 credits from the following:</b> <sup>1</sup>		<b>6</b>	
DCE 143	Dance Performance Workshop		
DCE 243	Dance Repertory II		
DCE 250	Dance Performance Practicum <sup>2</sup>		
DCE 343	Repertory III <sup>1</sup>		
or DCE 443 Advanced Dance Repertory			
<b>Dance History and Theory</b>		<b>Recognition</b>	
DCE 207	Dance History I: Modernism and Postmodernism	Receive a Certificate of Disciplinary Honors in Dance; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.	
DCE 307	Dance History II: Mapping Diaspora		
DCE 340	The Body and Motion in Dance	<b>Honors Advisor</b>	
DCE 359	Foundations for Dance Education	Contact Janet Lilly at <a href="mailto:j_lilly@uncg.edu">j_lilly@uncg.edu</a> for information on admission to the Disciplinary Honors Program in Dance. To apply: <a href="http://honorscollege.uncg.edu/forms/disc-application.pdf">http://honorscollege.uncg.edu/forms/disc-application.pdf</a>	
<b>Dance Undergraduate Minor</b>			
The Dance minor is available for students with an interest in dance who would like to minor in Dance as a complement to another major at the university. There is no audition required to declare the Dance minor.			
Dance majors are given registration priority for courses required in the Dance majors but minors may receive special consideration if they meet course prerequisites and space allows.			
A Dance minor is available for students not wishing to specialize but who have an interest in dance and want a concentration of study in the area			

to complement an affiliated program of study. Dance majors are given priority in registration for most courses, but minors may receive special consideration. The minor includes a minimum of 15 credit hours, with at least seven above the 100 level.

## Program Requirements

- Minimum 15 credits

Code	Title	Credit Hours		Credit Hours
<b>Required</b>				
DCE 101	Introduction to Dance		<b>Required Courses (12-13 credits)</b>	
DCE 200	Dance Appreciation		DCE 605	Choreographies and Choreographers 3
<i>Select 3 credits in Technique from the following:</i>			DCE 610	Dance Studies I: Theories and Methods 3
DCE 111	Introduction to Contemporary Dance		DCE 611	Dance Studies II: Research Projects 3
DCE 112	Contemporary Dance I		<i>Select one course (3-4 credits) from the following:</i>	
DCE 113	Introduction to Ballet		DCE 630	Advanced Body Theories and Practices in Dance
DCE 114	Ballet I		DCE 660	Issues in Planning the Dance Curriculum
DCE 116	Jazz Dance I		DCE 667	The Dancer's Body
DCE 132	African Dance I		<b>Dance Electives (9 credits)</b>	
DCE 133	Tap Dance I		<i>Select 9 credits of graduate-level DCE courses</i>	
DCE 212	Contemporary Dance II		<b>Open Electives (6 credits)</b>	
DCE 214	Ballet II		<i>Select 6 credits in any graduate-level courses</i>	
DCE 216	Jazz Dance II		<b>Outside Electives (3 credits)</b>	
DCE 232	African Dance II		<i>Select 3 credits in any graduate-level courses outside of Dance *</i>	
DCE 233	Tap Dance II		<b>Culminating Project (Capstone Experience) (6 credits)</b>	
DCE 312	Contemporary Dance III		<i>Select 6 credits from the following:</i>	
DCE 314	Ballet III		DCE 663	PreK-12 Dance Education Practicum
DCE 316	Jazz Dance III		DCE 698	Field Project in Dance
DCE 324	Contemporary Dance: Theory and High Intermediate-Level Technique		DCE 699	Thesis
DCE 332	African Dance III		<b>Total Credit Hours</b>	
DCE 412	Contemporary Dance IV			36
DCE 414	Ballet IV			
<i>Select additional courses from other DCE offerings to total a minimum of 15 credits</i>				

## Dance, M.A.

The M.A. in Dance, Theories and Practices Concentration is a two-year in-residence program that requires 36 credit hours to complete. The program is designed to prepare students for professional dance careers or for doctoral work. Students develop knowledge in humanities-based dance studies and somatic practices culminating in thesis research located at the intersection of theory and practice.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants should submit a personal statement and samples of work to the school.

Admission to graduate study in dance is on the basis of competence as evidenced by the undergraduate record, demonstrated proficiency, and potential in the field of dance. Prospective students should contact the school before submitting an application.

Program entry is in the Fall term only; the application deadline is November 15.

## Degree Program Requirements

**Required:** 36 credit hours

Code	Title		Credit Hours
<b>Required Courses (12-13 credits)</b>			
DCE 605	Choreographies and Choreographers	3	
DCE 610	Dance Studies I: Theories and Methods	3	
DCE 611	Dance Studies II: Research Projects	3	
<i>Select one course (3-4 credits) from the following:</i>		3-4	
DCE 630	Advanced Body Theories and Practices in Dance		
DCE 660	Issues in Planning the Dance Curriculum		
DCE 667	The Dancer's Body		
<b>Dance Electives (9 credits)</b>			
<i>Select 9 credits of graduate-level DCE courses</i>		9	
<b>Open Electives (6 credits)</b>			
<i>Select 6 credits in any graduate-level courses</i>		6	
<b>Outside Electives (3 credits)</b>			
<i>Select 3 credits in any graduate-level courses outside of Dance *</i>		3	
<b>Culminating Project (Capstone Experience) (6 credits)</b>			
<i>Select 6 credits from the following:</i>		6	
DCE 663	PreK-12 Dance Education Practicum		
DCE 698	Field Project in Dance		
DCE 699	Thesis		
<b>Total Credit Hours</b>			36

\* Must be related to the student's research project.

## Reviews

Students are reviewed by the dance faculty when 12 credits of graduate course work are complete. Faculty assesses student progress within the degree program.

Once students have completed at least 18 credits, are enrolled in DCE 610 Dance Studies I: Theories and Methods , and have achieved a minimum overall 3.0 GPA, students select a committee of at least three members of the graduate faculty and schedule a Portfolio Review and Thesis Proposal Defense. Students must pass the review before they can begin their culminating projects. Guidelines are listed in the Dance Graduate Handbook.

## Dance, M.F.A.

The M.F.A. in Dance, Choreography Concentration is a three-year in-residence program that requires 60 credit hours to complete, culminating in a dance choreography project designed and carried out by the student with the support of faculty. The program is designed to prepare students for professional dance careers and teaching dance in higher education. Students develop knowledge in choreographic practice, dance scholarship, research methods, and somatic practices. The M.F.A. is a terminal degree commonly held by studio faculty at the university level.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants should submit a personal statement and samples of work to the school.

Admission to graduate study in dance is on the basis of competence as evidenced by the undergraduate record, demonstrated proficiency, and potential in the field of dance. Prospective students should contact the school before submitting an application.

Program entry is in the fall term only; the application deadline is November 15.

## Degree Program Requirements

**Required:** 60 credit hours

Code	Title	Credit Hours
<b>Required Courses (34-35 credits)</b>		
DCE 605	Choreographies and Choreographers	3
DCE 610	Dance Studies I: Theories and Methods	3
DCE 611	Dance Studies II: Research Projects	3
DCE 621	Administration of Dance	3
DCE 624	Movement for Dance <sup>1</sup>	3
DCE 630 or DCE 667	Advanced Body Theories and Practices in Dance The Dancer's Body	4
DCE 651	Choreographic Practice <sup>2</sup>	12
DCE 661	Dance Pedagogy in Higher Education	2
DCE 662	Practicum in Teaching Dance <sup>3</sup>	2
<b>Electives (19-20 credits)</b>		
Select 19-20 credits of electives, including 6 credits from outside of 19-20 the School of Dance		
<i>Recommended Dance Electives:</i>		
DCE 631	Capoeira History and Practice	
DCE 632	Pilates: Movement Fundamentals for Dancers	
DCE 650	Dance Design Practicum	
DCE 659	Laban Movement Analysis	
DCE 665	Screen Dance	
<b>Culminating Project (6 credits)<sup>4</sup></b>		
Select one option from the following:		
<i>Option 1: For a full-length concert or equivalent artistic presentation</i>		
DCE 697	Masters Production Project	
<i>Option 2: For significant research that directly informs a major choreographic work (or series of works) equivalent to half a concert</i>		
DCE 697	Masters Production Project	
DCE 698	Field Project in Dance	
<b>Total Credit Hours</b>	<b>60</b>	

<sup>1</sup> Taken three times for a total of 3 credits.

<sup>2</sup> Taken four times for a total of 12 credits.

<sup>3</sup> Taken for a total of 2 credits.

<sup>4</sup> Capstone Experience enrolled in over two semesters.

## Program Progression and Reviews

The Graduate Faculty assesses student progress in their degree program in the Spring semester of their first year.

After the removal of all deficiencies, three semesters of choreography practice (DCE 651 Choreographic Practice ), and at the completion of at least 30 credits, students apply for M.F.A. candidacy. Admission is based on a variety of criteria, including a minimum overall 3.0 GPA. Students submit a portfolio of work to the Graduate Program Director, usually by December 1 of their third semester, for review by the Graduate Committee. See the School of Dance M.F.A. Handbook for portfolio contents and process.

When the student has been in residence for at least two semesters and passed candidacy, they assemble a committee of at least three members of the graduate faculty to review their culminating concert or project proposal. Proposal guidelines are included in the School of Dance M.F.A. Handbook. Once the committee approves the proposal, the student may register for DCE 697 Masters Production Project or DCE 698 Field Project in Dance and work towards culmination of study.

## Dance Education, M.A.

The M.A. in Dance Education requires 36 credit hours and is designed for dance educators. Entering students who hold the North Carolina Standard Professional I license in Dance will be eligible for advanced (M) licensure upon completion of the degree.

The degree is available through a combination of online courses at UNC Greensboro, summer study on campus, and selected courses taken on campus or online from other institutions. Designed for part-time students, the degree may be completed in 3 years.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, the School of Dance requires additional materials. Prospective students should contact the School of Dance before submitting an application. Additional materials include academic transcripts, and three letters of recommendation, including at least one academic reference. No GRE is required for program entry.

Program entry is in the summer and students are admitted in alternate (even) years. Study begins with required summer course work.

Admission to graduate study in dance is on the basis of competence as evidenced by the undergraduate record and demonstrated proficiency and potential in the field of dance.

## Degree Program Requirements

**Required:** 36 credit hours

Code	Title	Credit Hours
<b>Required Courses (30 credits)</b>		
DCE 614	New Media and Technology in Dance Education	3
DCE 646	Reflective Practice in P-12 Dance Education	3
DCE 651	Choreographic Practice <sup>1</sup>	3
DCE 654	P-12 Dance Education: Technique and Performance	1
DCE 655	P-12 Dance Education: Choreography	1
DCE 656	P-12 Dance Education: Critical Thinking/Literacy	1
DCE 660	Issues in Planning the Dance Curriculum	3
DCE 662	Practicum in Teaching Dance <sup>2</sup>	3

DCE 667	The Dancer's Body	3
DCE 676	Problems Seminar	3
Select two courses (6 credits) in Dance Education or a related area <sup>3</sup>		6
<b>Alternate Technique Requirement</b>		
Select one of the following options:		
Equivalent in an approved studio technique <sup>4</sup>		
Undergraduate dance technique courses <sup>5</sup>		
DCE 624      Movement for Dance <sup>6</sup>		
<b>Capstone Experience (6 credits)</b>		
Select one course (6 credits) from the following: <sup>6</sup>		
DCE 693      Portfolio in K-12 Dance Education <sup>7</sup>		
DCE 698      Field Project in Dance <sup>8</sup>		

36

**Total Credit Hours**<sup>1</sup> Summer courses.<sup>2</sup> DCE 662 must be taken twice for a total of 3 credits.<sup>3</sup> Students must complete two non-UNCG elective courses. The program coordinator must approve all courses. For students seeking advanced (M) teacher licensure, one course must be in differentiated assessment and one course must be in teacher leadership. For students not seeking advanced licensure, courses may be differentiated assessment, teacher leadership, or other topics.<sup>4</sup> Students may fulfill the alternate technique requirement with the equivalent in a non-credit approved studio. Students selecting this option must complete four 24 contact-hour movement classes, which must be approved by their advisor.<sup>5</sup> Students selecting this option must complete 4 credits in undergraduate dance techniques courses; credits are not counted towards the degree.<sup>6</sup> Students selecting this option must complete 2 credits in DCE 624; credits are not counted towards the degree.<sup>7</sup> Students seeking advanced (M) teacher licensure must complete 6 credits of DCE 693 during their student teaching semester.<sup>8</sup> Students not seeking advanced licensure must complete 6 credits in DCE 698 as approved by their advisor. Students who have not completed course work in diverse learners will be required to do so for elective credit.

## Reviews

Students are reviewed by the dance faculty when 9-15 credits of graduate course work are complete. Faculty assesses student progress in their degree program and makes recommendations for improvement.

Once students have completed at least two-thirds of the course work and they have achieved a minimum overall 3.0 GPA, a Portfolio and Project Proposal Review is scheduled. Guidelines are listed in the Graduate Handbook.

The final review takes place at the end of the semester when DCE 693 or DCE 698 is completed.

## Dance, Post-Baccalaureate Certificate

Post-baccalaureate students with an undergraduate degree in Dance may complete a certificate to be eligible for Standard Professional I licensure. Completion of the certificate program does not guarantee licensure. Students are required to participate in field experiences and full-time student teaching in high-quality inclusive settings. These experiences are completed in public school settings arranged by the student and

approved by the Director of Dance Education. Students are advised of additional requirements for documenting the evidence required for licensure.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The admissions requirements for the Post-Baccalaureate Certificate in Dance are those required of all certificate programs by the Graduate School as well as:

- A professional statement
- Three letters of recommendation

## Certificate Program Requirements

**Required:** 24 credit hours

Code	Title	Credit Hours
<b>Required Courses (24 credits)</b>		
DCE 614 or DCE 667	New Media and Technology in Dance Education The Dancer's Body	3
DCE 655 or DCE 656	P-12 Dance Education: Choreography P-12 Dance Education: Critical Thinking/Literacy	3
DCE 658	Performance Assessment in K-12 Dance Education	3
DCE 659	Laban Movement Analysis <sup>1</sup>	3
DCE 660 or DCE 646	Issues in Planning the Dance Curriculum Reflective Practice in P-12 Dance Education	3
DCE 662	Practicum in Teaching Dance <sup>2</sup>	3
DCE 663	PreK-12 Dance Education Practicum <sup>3</sup>	6
<b>Total Credit Hours</b>		
		24

<sup>1</sup> Or other education course approved by the Director of Dance Education.<sup>2</sup> Must be taken twice for a total of 3 credits.<sup>3</sup> Students must complete 6 credits of DCE 663 during their student teaching semester.

Students who wish to pursue the M.A. in Dance Education upon completion of the initial licensure program may apply the 12 credits from DCE 614 (or DCE 667), DCE 655 (or DCE 656), DCE 660 (or DCE 646), and DCE 662 towards the requirements in the master's program.

## Dance, Post-Baccalaureate Licensure

Post-baccalaureate students with an undergraduate degree in Dance may complete additional course work to be eligible for Standard Professional I licensure. Enrolled students in the on-campus M.F.A. in Dance (Choreography Concentration) and the M.A. in Dance (Theories and Practice Concentration) are eligible. Completion of this course work does not guarantee licensure. Students are required to participate in field experiences and student teaching in high-quality inclusive settings. These experiences are completed in public school settings as approved by the Director of Dance Education. Students are advised of additional requirements for documenting the evidence required for licensure.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must provide a professional statement describing their

interest and rationale for obtaining dance licensure and their career goals. One of the three required letters of recommendation must be from an academic reference.

## Licensure Requirements

**Required:** 21-23 credit hours

Code	Title	Credit Hours
<b>Required Courses (18-19 credits)</b>		
DCE 605	Choreographies and Choreographers	3
DCE 662	Practicum in Teaching Dance <sup>1</sup>	6
DCE 663	PreK-12 Dance Education Practicum <sup>2</sup>	6
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	1
Select 1-2 credits from the following: <sup>3</sup>		1-2
DCE 654	P-12 Dance Education: Technique and Performance	
DCE 655	P-12 Dance Education: Choreography	
DCE 656	P-12 Dance Education: Critical Thinking/Literacy	
Select 1 credit of approved elective in education		1
<b>Electives (3-4 credits)</b>		
Select one course (3 or 4 credits) from the following: <sup>3</sup>	3	
	or	
	4	
DCE 630	Advanced Body Theories and Practices in Dance	
DCE 659	Laban Movement Analysis	
DCE 660	Issues in Planning the Dance Curriculum	
<b>Total Credit Hours</b>		<b>21-23</b>

<sup>1</sup> Must be taken two times for a total of 6 credits.

<sup>2</sup> Students must complete 6 credits of DCE 663 during their student teaching semester.

<sup>3</sup> Or other DCE graduate course approved by the Director of Dance Education.

# School of Music

College of Visual and Performing Arts

328 Music Building  
336-334-5789  
<http://music.uncg.edu>

**Charles R. Young**, Director of the School of Music

**Catherine Keen Hock**, Assistant Director of the School of Music

**Randy Kohlenberg**, Graduate Program Director

**Constance McKoy**, Director of Undergraduate Studies

The School of Music was established in 1921 and became a member of the College of Visual and Performing Arts in 2016. UNC Greensboro has long been recognized as having one of the most well-respected music institutions in the United States and has been fully accredited by the National Association of Schools of Music since 1938. The School of Music offers the only comprehensive degrees in music education and music performance in the State of North Carolina, from the undergraduate level through doctoral study. The School of Music offers Bachelor of Arts degree in Music, and Bachelor of Music degrees in Performance and Music Education. At the graduate level, the School of Music offers Master of Music degrees in music composition, music education, conducting, music performance, and music theory, and also offers Post-Baccalaureate Certificates in ethnomusicology, historical keyboard performance, jazz studies, performance studies, musicology, music composition, music education, music technology, and music theory, and a Post-Master's Certificate in music theory pedagogy. Furthermore, the School of Music offers the doctoral degrees of Doctor of Philosophy in Music Education and Doctor of Musical Arts in Music. Our outstanding facilities, world-class faculty, and numerous ensemble experiences provide an environment for artistic and academic success.

Located in artistically-thriving Greensboro, Winston-Salem, and High Point, the Triad area provides a wealth of cultural and academic opportunities for our students. Students regularly attend and perform in concerts by the Greensboro Symphony Orchestra, the Greensboro Opera Company, the Winston-Salem Symphony and the Eastern Music Festival along with a myriad of musical theatre, jazz, and chamber music ensembles.

We welcome students who will strive for excellence and will contribute to the inclusiveness and diversity of our mission.

## Mission Statement

We approach music as an essential part of human culture and therefore aspire to engage with the diversity of musical meanings and practices globally and locally; our student and faculty scholarship enrich understandings of music as sound, text, and activity. We engage with local, regional, national and international communities through teaching, performance, publications, lectures, conferences, symposia, festivals, and other educational and cultural programs.

## Undergraduate Programs

The B.A. in music provides high-quality musical training with the versatility and breadth of a liberal arts education, it prepares students for a variety of careers and opportunities. With its emphasis on writing, speaking, and critical thinking skills, the B.A. degree is ideal for students wishing to pursue a double major in another academic field, pre-professional programs in law or medicine, study abroad, UNC

Greensboro in 3, arts administration, or graduate programs in music theory, musicology, or ethnomusicology.

Undergraduate students in Music Performance pursue rigorous professional training in music along with a broad liberal arts education. Our students graduate as informed, responsible citizens with the tools to succeed and communicate effectively as musicians of the 21st century.

Undergraduate students in Music Education pursue rigorous professional training in music teacher education along with a broad liberal arts education that prepares them for positions as choral directors (principal performance area usually voice, piano, or organ), teachers of general music, or for positions as instrumental directors (principal performance area in orchestral or band instruments) in public schools. Our students graduate earning a Standard Professional 1 (SP1) North Carolina Educator's License and are prepared as informed, responsible citizens with the tools to succeed and communicate effectively as musicians and educators of the twenty-first century. Music education students acquire valuable early field teaching experience in a wide variety of P-12 school settings beginning the Freshman year and continuing throughout the degree program.

## Performance Studies

Throughout the four years of undergraduate enrollment, music students will have the opportunity to study in one or more performance studies areas: keyboard, voice, strings, winds, percussion, jazz, or composition. This study will include private instruction in the major or principal performance area alongside group instruction.

## Ensemble Requirements

All undergraduate Music students enrolled for two or more credit hours of music performance studies must audition for and perform in an ensemble each semester. Performance majors will participate in one or more ensembles each semester according to concentration requirements. Students will have the opportunity to express their ensemble placement preferences, but they will be assigned according to audition results and ensemble priorities. Ensemble assignments and placement will be determined by the Director of Instrumental Ensembles, Director of Choral Activities, and the Director of the Miles Davis Jazz Program, in consultation with the performance teachers and appropriate area coordinator. Each year advanced voice students may apply for roles in the performance of opera and musical theatre, which the departments of music present in cooperation with the School of Theatre.

## Student Information Manual

Additional policies and regulations are found online in the Music Student Information Manual. This manual is made available to all music students after entrance requirements are met. Adherence to the contents of this publication is the responsibility of the student.

## Graduate Programs

The Master of Music in Music Education leads to graduate licensure and emphasizes the acquisition of a fundamental knowledge of research techniques and scholarly writing standards. Students develop an in-depth understanding of the historical, philosophical, psychological and cultural aspects of music education.

The Master of Music in Performance programs offer conservatory-type performance training and complement this with academic offerings directly related to careers in performance. These students graduate with performance and entrepreneurial skills enabling entry into the profession or further studies.

The Master of Music in Music Theory program offers students an opportunity to deepen and refine their knowledge of music theory, and to continue developing their analytical, keyboard, and aural skills. Most M.M. students gain valuable teaching experience as graduate assistants. Students who complete this course of study are qualified to teach pre-college or community college courses, or to apply for admission to a doctoral program.

Doctor of Musical Arts students are fully prepared as artist/scholars ready to join the academy. A large faculty of outstanding artists, teachers, and researchers supports a comprehensive program of study.

The Doctor of Philosophy in Music Education prepares students for careers as public school music administrators or college-level teachers. Such development requires a comprehensive knowledge of the psychological, social and musical values in music education; theories of learning as applied to music education; historical and theoretical properties of music education; and scholarly and research techniques required for understanding and investigating problems in music and education.

#### **Professor**

Marjorie H. Bagley<sup>G</sup>  
 Robert Bracey<sup>G</sup>  
 Michael J Burns<sup>G</sup>  
 Guy Capuzzo<sup>G</sup>  
 Gavin D. Douglas<sup>G</sup>  
 James B. Douglass<sup>G</sup>  
 Tami Jones Draves<sup>G</sup>  
 Mark Engebretson<sup>G</sup>  
 Steve Haines<sup>G</sup>  
 David Holley<sup>G</sup>  
 Randy B. Kohlenberg<sup>G</sup>  
 Rebecca B. MacLeod<sup>G</sup>  
 bruce d. mcclung  
 Connie L. McKoy, *Covington Distinguished Professor*<sup>G</sup>  
 Clara Joy O'Brien<sup>G</sup>  
 Carole J Ott Coelho<sup>G</sup>  
 Abigail L Pack<sup>G</sup>  
 Scott Wyatt Rawls<sup>G</sup>  
 Alejandro Humberto Rutty<sup>G</sup>  
 John C. Salmon<sup>G</sup>  
 Steven Stusek<sup>G</sup>  
 DAVID J TEACHOUT<sup>G</sup>  
 Joan Titus<sup>G</sup>  
 Jennifer Stewart Walter<sup>G</sup>  
 Robert A. Wells<sup>G</sup>  
 Eric J Willie<sup>G</sup>  
 Andrew S. Willis, *Professor and Covington Distinguished Professor*<sup>G</sup>  
 Bill E. Young<sup>G</sup>  
 Charles Rochester Young

#### **Academic Professional Professor**

Inara Zandmane<sup>G</sup>

#### **Associate Professor**

Aaron S. Allen<sup>G</sup>  
 Erika Larsen Boysen<sup>G</sup>  
 Chad E. Eby<sup>G</sup>  
 Alexander B. Ezerman<sup>G</sup>  
 Thomas W Heflin<sup>G</sup>  
 Jungho Kim  
 Fabian Lopez

Brett Nolker<sup>G</sup>  
 Adam Ricci<sup>G</sup>  
 Kailan Ruth Rubinoff<sup>G</sup>  
 Anthony Taylor<sup>G</sup>

#### **Assistant Professor**

David Andrew Julian Aarons<sup>G</sup>  
 Jonathan Caldwell<sup>G</sup>  
 Daniel Fernando Castro Pantoja  
 Annie Jia-Ann Jeng<sup>G</sup>  
 Garrett Lane Klein<sup>G</sup>  
 Courtney Tyson Miller  
 Quinton Douglas Parker<sup>G</sup>  
 Stephanie Anne Fairbairn Ycaza

#### **Academic Professional Assistant Professor**

Catherine Catherine Keen Hock<sup>G</sup>

#### **Visiting Assistant Professor**

Janinah Kalee Burnett  
 Luke Michael Ellard  
 Lindsay Ellsworth Kesselman  
 Emily G Milius

#### **Lecturer**

Stephanie Vial Aspinwall  
 Christen Blanton  
 Mary Kate Kathryn Bowman Choat  
 Craig Brown<sup>G</sup>  
 Brian Kairis Carter  
 Gaurang L Doshi  
 Marya Jadwiga Fancey<sup>G</sup>  
 Jonathan M Goodman  
 Heather Kay Babb Graham  
 Lorena Guillen<sup>G</sup>  
 Brevan I Hampden  
 Samuel Greg Hyslop  
 Steve Jon Landis  
 JC Martin  
 Karen Elaine Hovey Messina<sup>G</sup>  
 Nathaniel Douglas Mitchell  
 Rachel Irene Niketopoulos  
 Charles Dean Norris  
 El Elliot Rich  
 Arlene Ruth Shruti  
 Andrea Mumm Trammell  
 Justin Kendall Worley<sup>G</sup>

#### *G Graduate-level faculty*

- Music, B.A. (p. 519)
- Music Education, B.M. (p. 520)
- Performance, B.M. (p. 523)
- Music Undergraduate Minor (p. 531)
- Music Composition, M.M. (p. 531)
- Music Education, M.M. (p. 531)
- Music Theory, M.M. (p. 532)
- Performance, M.M. (p. 532)
- Music, D.M.A. (p. 537)
- Music Education, Ph.D. (p. 538)
- Conducting, Post-Bacclaureate Certificate (p. 538)

- Ethnomusicology, Post-Baccalaureate Certificate (p. 539)
- Historical Keyboard Performance, Post-Baccalaureate Certificate (p. 539)
- Jazz Studies, Post-Baccalaureate Certificate (p. 540)
- Music Composition, Post-Baccalaureate Certificate (p. 540)
- Music Education, Post-Baccalaureate Certificate (p. 541)
- Music Performance Study, Post-Baccalaureate Certificate (p. 541)
- Music Technology, Post-Baccalaureate Certificate (p. 542)
- Music Theory, Post-Baccalaureate Certificate (p. 542)
- Musicology, Post-Baccalaureate Certificate (p. 543)
- Music Theory Pedagogy, Post-Master's Certificate (p. 543)

## Music, B.A.

### Student Learning Goals

The Bachelor of Arts degree with a major in music indicates the study of music in a liberal arts degree framework. It emphasizes a broad coverage of music rather than heavy concentration on any single segment. Studies develop musicianship, capabilities in the use of principles and procedures that lead to an intellectual grasp of the art, and the ability to perform. It serves individuals who seek a broad program of general education rather than intense specialization.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.

### Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

### Major Requirements

Code	Title	Credit Hours
	<b>Music Theory</b>	<b>16</b>
MUS 101	Introduction to Music Theory	
MUS 102	Analysis of Western European Music and Related Traditions II	
MUS 105	Aural Skills I	
MUS 106	Aural Skills II	
MUS 201	Analysis of Western European Music and Related Traditions III	
MUS 202	Analysis of Western European Music and Related Traditions IV	
MUS 205	Aural Skills III	
MUS 206	Aural Skills IV	
	<b>Musicology</b>	<b>15</b>
MUS 120	Speaking of Music	
MUS 135	Writing Through Music	
MUS 332	History of Western Music II	
MUS 333	History of Western Music III	

MUS 334	American Music	
or MUS 431	Selected Topics in Ethnomusicology	
<b>Class Piano *</b>		<b>3</b>
MUP 131	Class Piano	
MUP 132	Class Piano	
MUP 133	Class Piano	
<b>Technology</b>		<b>1</b>
MUS 107	Technology for Musicians I	
<b>Music Electives</b>		<b>3</b>
<i>Select one of the following:</i>		
MUP 402	Entrepreneurship in the Performing Arts	
MUP 413	Piano Literature I	
MUP 423	Jazz Arranging I	
MUP 424	Jazz Arranging II	
MUP 426	Song Literature I	
MUP 460	History of Jazz	
MUS 431	Selected Topics in Ethnomusicology	
MUS 455	The Symphonic Tradition	
MUS 439	Tonal Counterpoint	
MUS 482	Advanced Analysis of Western European Tonal Music and Related Traditions	
MUS 483	Music before 1600	
MUS 484	Music from 1600 to 1800	
MUS 485	Music of the Nineteenth Century	
MUS 486	Music of the Twentieth Century	
MUS 495	History of Opera	
<b>Capstone Experience</b>		<b>3</b>
MUS 492	Capstone Seminar in Music Studies	
or HSS 490	Senior Honors Project	
<b>Applied Studies **</b>		<b>8</b>
MUP 151	Performance Studies <sup>1</sup>	
MUP 152	Performance Studies <sup>1</sup>	
MUP 251	Performance Studies <sup>1</sup>	
MUP 252	Performance Studies <sup>1</sup>	
MUP 351	Performance Studies <sup>1</sup>	
MUP 352	Performance Studies <sup>1</sup>	
MUP 451	Performance Studies <sup>1</sup>	
MUP 452	Performance Studies <sup>1</sup>	
MUP 125	Class Voice	
MUP 180	Beginning Guitar	
	Any ENS Course	

\* May be exempted with demonstrated proficiency. Not required of keyboard principals.

\*\* Applied Studies

- Students may take Music Performance courses from the Applied Studies list in the following types: applied music lessons, ensembles, or class performance study. This does not include Class Piano, which is a separate major requirement above.

- Dance courses approved by the advisor that engage with music-making practice in a physical way may also satisfy this requirement.

<sup>1</sup> Students may also take any of the applied instrumental and vocal lessons on condition of acceptance through the audition process.

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

## College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

## Disciplinary Honors in Music

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Music.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>9</b>
MUS 301	Analysis of Western European Post-Tonal Music and Related Traditions *	
MUS 333	History of Western Music III *	
HSS 490	Senior Honors Project	
<b>Select 3 credits from the following:</b>		<b>3</b>
Any Contract Honors course in Music		
Any Honors course (whether or not in Music)		

\* Under certain circumstances, the Music Honors Panel may permit a graduate-level course to be taken in place of the listed required courses.

### Recognition

Receive a Certificate of Disciplinary Honors in Music; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Alex Eberman at abezerman@uncg.edu for further information and guidance about Honors in Music. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Music Education, B.M.

### Student Learning Goals

The Bachelor of Music degree is the initial professional degree in music. Its primary emphasis is on development of the skills, concepts, and sensitivities essential to the professional life of the musician. In any of

many possible roles, the professional musician must exhibit not only technical competence, but also a broad knowledge of music and music literature, the ability to integrate musical knowledge and skill, sensitivity in musical style, and an insight into the role of music in intellectual and cultural life.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Cumulative GPA of at least 3.0

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Theory and Aural Skills</b>		<b>8</b>
MUS 101	Introduction to Music Theory	
MUS 102	Analysis of Western European Music and Related Traditions II	
MUS 105	Aural Skills I	
MUS 106	Aural Skills II	
<b>Musicology</b>		<b>3</b>
MUS 135	Writing Through Music	
<b>Performance Studies *</b>		<b>12</b>
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 300	Recital	

\* 12 credits of Performance Studies, or equivalent, culminating in a half recital or equivalent public demonstration of musicianship, after consultation and approval by advisor, Performance Studies faculty, and/or the Director of the school of Music. Keyboard students may fulfill the recital requirements by accompanying a full recital or chamber recital.

## Teacher Licensure Requirements

Contact School of Education Office of Student Services at 336-334-3410

Code	Title	Credit Hours
<b>Required</b>		<b>17</b>
HEA 201	Personal Health	
TED 401	Child and Adolescent Development and Learning	
TED 403	Teaching Multilingual Learners with Diverse Abilities	

MUE 465	Student Teaching in Music
MUE 466	Student Teaching Seminar

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Choral/General Music Education
- Instrumental/General Music Education
- Instrumental/General Jazz Music Education

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Choral/General Music Education Concentration Requirements

Code	Title	Credit Hours
<b>Theory and Aural Skills</b>		
MUS 201	Analysis of Western European Music and Related Traditions III	8
MUS 202	Analysis of Western European Music and Related Traditions IV	
MUS 205	Aural Skills III	
MUS 206	Aural Skills IV	
<b>Musicology and Ethnomusicology</b>		
MUS 332	History of Western Music II	9
MUS 333	History of Western Music III	
MUS 334	American Music	
<b>Performance Studies</b>		
MUP 301	Repertoire Class *	0
<b>Ensembles</b>		
Select 6 credits from the following:		
ENS 380	Spartan Voices	
ENS 382	University Chorale	
ENS 387	Coro di Belle Voci	
ENS 388	Chamber Singers	
Select 1 course from the following:		
DCE 111	Introduction to Contemporary Dance	
DCE 116	Jazz Dance I	
DCE 132	African Dance I	
ENS 371	Steelpan Ensemble	
ENS 377	Old Time Ensemble	
ENS 378	Indian Music	
ENS 379	Middle Eastern Ensemble	
MUP 180	Beginning Guitar	
MUP 184	Beginning Ukulele	
MUP 220	Making Music with Computers	
MUP 331	Free Improvisation	
<b>Language</b>		
FRE 101	Beginning French I	3
GER 101	Beginning German I	
<b>Additional Teacher Licensure</b>		
		1

ELC 401	Schooling in a Democratic Society	22
<b>Music Education</b>		
MUE 090	Choral Music Teaching Lab	
MUE 111	Introduction to Teaching Techniques in Choral/General Music	
MUE 208	Introduction to Teaching Instrumental Music	
MUE 261	Foundations of Teaching for Musical Understanding	
MUE 356	Foundations of Teaching Vocal Music	
MUE 419	Choral Conducting II	
MUE 461	General Music in Elementary Schools	
MUE 462	Singing Voice in Classrooms and Ensembles	
MUE 464	Choral Music in the Schools	
MUP 170	Italian and Latin Diction for Singers	
MUP 171	English and Spanish Diction for Singers	
MUP 319	Choral Conducting I	

\* (0 credit hours) 6 semesters taken as a corequisite to Performance Studies courses in the major.

#### • Keyboard Students

Code	Title	Credit Hours
<b>Class Voice</b>		
MUP 125	Class Voice	2
<b>Secondary Voice</b>		
MUP 153	Performance Studies	3
MUP 253	Performance Studies	
MUP 353	Performance Studies	

#### • Voice Students

Code	Title	Credit Hours
<b>Class Piano</b>		
MUP 132	Class Piano	2
MUP 133	Class Piano	
<b>Secondary Piano</b>		
MUP 155	Secondary Piano for Music Education	3
MUP 255	Secondary Piano for Music Education	
MUP 355	Secondary Piano for Music Education	

### Instrumental/General Music Education Concentration Requirements

Code	Title	Credit Hours
<b>Theory and Aural Skills</b>		
MUS 201	Analysis of Western European Music and Related Traditions III	4
MUS 205	Aural Skills III	
<b>Musicology, Ethnomusicology, and Jazz History</b>		
		6

Select one course from the following:

MUS 332 History of Western Music II

MUS 333 History of Western Music III

Select one course from the following:

MUS 334 American Music

MUS 244 Music Cultures of the World

MUS 431 Selected Topics in Ethnomusicology

MUP 460 History of Jazz

MUP 180 Beginning Guitar

MUP 184 Beginning Ukulele

MUP 331 Free Improvisation

DCE 111 Introduction to Contemporary Dance

DCE 116 Jazz Dance I

DCE 132 African Dance I

\* Up to 2 credits by audition.

## Instrumental/General Jazz Music Education Concentration Requirements

### **Music Education** 27

MUS 109 Orientation to College and the Music Major

MUE 209 Introduction to Teaching Choral Music

MUE 261 Foundations of Teaching for Musical Understanding

MUE 357 Marching Band Techniques  
or MUE 463 Advanced String Methods

MUE 363 Teaching Strings Laboratory

MUE 364 Teaching Brass Laboratory

MUE 365 Teaching Woodwinds Laboratory

MUE 366 Teaching Percussion Laboratory

MUE 367 Foundations of Teaching Instrumental Music

MUE 368 Instrument Repair

MUE 461 General Music in Elementary Schools

or MUE 467 Instrumental Music in Schools

MUP 372 Instrumental Conducting I

MUE 472 Instrumental Conducting II

### **Secondary Instruments**

2

*Non-Keyboard majors must choose at least 1 credit of Class Piano.*

*Keyboard majors select 2 credits of secondary study of wind, percussion, or bowed string instrument.*

*Choose at least one credit of the following for Non-Keyboard majors:*

MUP 131 Class Piano

MUP 132 Class Piano

MUP 133 Class Piano

*Choose one to two credits of the following:*

MUP 153 Performance Studies

MUP 253 Performance Studies

MUP 353 Performance Studies

### **Ensembles**

9

*Select 6 credits of the following:*

ENS 390 Sinfonia

ENS 391 University Symphony Orchestra

ENS 392 Concert Band

ENS 393 Wind Ensemble

ENS 394 Symphonic Band

ENS 395 Jazz Ensemble I \*

ENS 396 Jazz Ensemble II \*

*Select 3 credits of the following:*

ENS 371 Steelpan Ensemble

ENS 377 Old Time Ensemble

ENS 378 Indian Music

ENS 379 Middle Eastern Ensemble

ENS 380 Spartan Voices

### **Theory and Aural Skills**

3

MUP 204 Principles of Jazz Theory

### **Musicology, Ethnomusicology, and Jazz History**

6

MUP 460 History of Jazz

*Select one of the following:*

MUS 333 History of Western Music III

MUS 334 American Music

### **Ensemble**

9

*Select three credits of the following:*

ENS 390 Sinfonia

ENS 391 University Symphony Orchestra

ENS 392 Concert Band

ENS 393 Wind Ensemble

ENS 394 Symphonic Band

*Select three credits of the following:*

ENS 395 Jazz Ensemble I

ENS 396 Jazz Ensemble II

ENS 348 Chamber Music

*Select three credits of the following:*

ENS 371 Steelpan Ensemble

ENS 377 Old Time Ensemble

ENS 378 Indian Music

ENS 379 Middle Eastern Ensemble

ENS 380 Spartan Voices

MUP 180 Beginning Guitar

MUP 184 Beginning Ukulele

MUP 331 Free Improvisation

DCE 111 Introduction to Contemporary Dance

DCE 116 Jazz Dance I

DCE 132 African Dance I

### **Secondary Instruments**

2

*Non-Keyboard majors must choose at least 1 credit of piano.*

*Keyboard majors select 2 credits of secondary study of wind, percussion, or bowed string instrument.*

*Choose at least one credit of the following for Non-Keyboard majors:*

MUP 131 Class Piano

MUP 132 Class Piano

MUP 133 Class Piano

*Choose one to two credits of the following:*

MUP 153 Performance Studies

MUP 253	Performance Studies	
MUP 353	Performance Studies	
<b>Music Education</b>		<b>24</b>
MUE 209	Introduction to Teaching Choral Music	
MUE 261	Foundations of Teaching for Musical Understanding	
MUE 357	Marching Band Techniques or MUE 463 Advanced String Methods	
MUE 363	Teaching Strings Laboratory	
MUE 364	Teaching Brass Laboratory	
MUE 365	Teaching Woodwinds Laboratory	
MUE 366	Teaching Percussion Laboratory	
MUE 367	Foundations of Teaching Instrumental Music	
MUE 368	Instrument Repair	
MUE 467	Instrumental Music in Schools or MUE 461 General Music in Elementary Schools	
MUP 372	Instrumental Conducting I	
MUE 472	Instrumental Conducting II	

## Disciplinary Honors in Music Education

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Music.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6-9 credits of Honors course work in the major *</b>		<b>6-9</b>
<b>0-3 credits of Honors course work outside of Music Education</b>		<b>0-3</b>

\* Must be at the 300-level or above (e.g., MUE 356, MUE 357, MUE 367, MUE 461, MUE 462, MUE 463, MUE 464, MUE 467)

### Recognition

Receive a Certificate of Disciplinary Honors in Music Education; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

See Alex Ezerman at abezerma@uncg.edu for further information and guidance about Honors in Music Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Performance, B.M.

### Student Learning Goals

Undergraduate students in Music Performance pursue rigorous professional training in music along with a broad liberal arts education. Our students graduate as informed, responsible citizens, with the tools to succeed and communicate effectively as musicians of the 21st Century.

Graduating Students in the B.M. Music Performance Program will:

- communicate clear musical intentions and understanding;
- demonstrate sufficient understanding of and capability with musical forms, processes, and structures in performance or creative applications according to the requisites of their specializations;
- demonstrate basic understanding of historical awareness in performance or creative applications according to the requisites of their specializations;
- demonstrate sufficient technical ability in performance or creative applications according to the requisites of their specializations; and,
- demonstrate entrepreneurial skills according to the requisites of their specializations.

## Percussion Concentration Admission Requirements

### Undergraduate Percussion Performance Audition Requirements

Choose repertoire that highlights your skill, musicianship and preparation. Advanced selections played with a lack of technical and musical focus may not best represent your musical ability. Work closely with your percussion instructor or band director to select music that best showcases your talent.

#### Snare Drum

- Concert Solo or Etude. (Similar to Cirone Portraits in Rhythm or All-State audition etudes, etc.)
- Rudimental Solo or Etude. (Similar to Wilcoxon All American Drummer or All-State audition etudes, etc.)

#### Two-Mallet Keyboard

- Solo or Etude. (Transcriptions, ragtime xylophone, All-State audition etudes, etc.)

#### Four-Mallet Keyboard

- Solo or Etude. (Transcriptions; All-State audition etudes; Selected solo from Books by Justin Bunting, Mark Ford, Bart Quartier)

#### Timpani Solo or Etude

- No solos/etudes that require playing on the bowls, or with wood mallets/butt ends.

#### Optional Areas

- Drum Set (Demonstration of different styles and soloing)
- World Percussion (Example: Congas, traditional Frame Drum, Pandeiro, Riq)

If you are unable to access keyboard instruments, timpani, or drum set to record your audition materials, this is understandable. Please contact Dr. Eric Willie (ejwillie@uncg.edu) with any questions or concerns as you prepare.

## Popular Music and Technology Concentration Admission Requirements

Incoming students must successfully pass an audition on an instrument or voice. Transfer students must also audition if they need to take classes in the Popular Music Performance sequence.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Performance majors must maintain a cumulative GPA of 2.50 or higher in Music courses.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Brass
- Composition
- Jazz
- Keyboard
- Percussion
- Popular Music and Technology
- Strings
- Voice
- Woodwinds

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Brass Concentration Requirements

Code	Title	Credit Hours
Principal Performance Area		20
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
Ensemble		8
<i>Select 8 credits by placement audition from the following:</i>		
ENS 391	University Symphony Orchestra	
ENS 392	Concert Band	
ENS 393	Wind Ensemble	
ENS 394	Symphonic Band	
Chamber Music		6
<i>Select 6 credits from the following:</i>		
ENS 347	Casella Sinfonietta	
ENS 348	Chamber Music	
ENS 366	Trumpet Ensemble	

ENS 367	Horn Ensemble	
ENS 368	Trombone Ensemble	
ENS 369	Tuba/Euphonium Ensemble	
ENS 370	Percussion Ensemble	
ENS 376	Period Music Ensembles	
ENS 377	Old Time Ensemble	
<b>Kinesthetics</b>		6
VPA 454		
<i>Select 3 credits from the following:</i>		
ART 100	Introduction to Art	
ART 120	Fundamentals of Drawing	
ART 140	Foundations in New Media and Design I	
ART 281	Ceramics I	
DCE 111	Introduction to Contemporary Dance	
DCE 116	Jazz Dance I	
DCE 132	African Dance I	
THR 100	The Hero's Journey	
THR 130	Acting Fundamentals for Stage and Screen	
THR 306	Musicianship for Musical Theatre I	
<b>Keyboard *</b>		3
MUP 131	Class Piano	
MUP 132	Class Piano	
MUP 133	Class Piano	
<b>Recitals</b>		1
MUP 300	Recital	
MUP 400	Recital	
<b>Musicianship Skills and Analysis</b>		16
MUS 101	Introduction to Music Theory	
MUS 105	Aural Skills I	
MUS 102	Analysis of Western European Music and Related Traditions II	
MUS 106	Aural Skills II	
MUS 201	Analysis of Western European Music and Related Traditions III	
MUS 202	Analysis of Western European Music and Related Traditions IV	
MUS 205	Aural Skills III	
MUS 206	Aural Skills IV	
<b>History and Repertory</b>		12
MUS 135	Writing Through Music	
MUS 332	History of Western Music II	
MUS 333	History of Western Music III	
MUS 334	American Music	
<b>Music Support Courses</b>		9
<i>Select 9 credits **</i>		
<b>Music Technology</b>		1
MUS 107	Technology for Musicians I	
<b>Conducting</b>		1
MUP 372	Instrumental Conducting I	
<b>Entrepreneurship</b>		3
MUP 402	Entrepreneurship in the Performing Arts	

**Repertoire Class<sup>1</sup>**MUP 301 Repertoire Class<sup>1</sup>

\* Course work through MUP 133 or proficiency.

\*\* May not be Performance Studies or Ensemble.

<sup>1</sup> MUP 301 is taken for eight semesters.**Composition Concentration Requirements**

Code	Title	Credit Hours
<b>Composition Study</b>		
MUP 205	Composition Studies	
MUP 206	Composition Studies	
MUP 305	Composition Studies	
MUP 306	Composition Studies	
MUP 405	Composition Studies	
MUP 406	Composition Studies Capstone	
MUP 455	Orchestration	
<i>Select 6 credits from the following:</i>		
MUP 115	Composition Skills *	
MUP 220	Making Music with Computers	
<b>Principal Performance Area</b>		
<i>Select 10 credits from the following:</i>		
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
<b>Ensemble</b>		
<i>Select 8 credits from courses in the ENS Prefix</i>		
<b>Music Support Courses</b>		
<i>Select 6 credits from the following:</i>		
MUP 310	Audiovisual Demos For Musicians	
MUP 316	Modular Sound Synthesis	
MUP 344	Digital Music Composition I	
MUP 345	Digital Music Composition II	
MUP 349	Audio Recording I	
MUP 421	Music Technology in Performance	
MUS 439	Tonal Counterpoint	
<b>Junior Recital</b>		
MUP 300	Recital	0
<b>Musicianship Skills and Analysis</b>		
MUS 101	Introduction to Music Theory	
MUS 102	Analysis of Western European Music and Related Traditions II	
MUS 105	Aural Skills I	
MUS 106	Aural Skills II	
MUS 201	Analysis of Western European Music and Related Traditions III	
MUS 202	Analysis of Western European Music and Related Traditions IV	
MUS 205	Aural Skills III	
MUS 206	Aural Skills IV	
<b>History and Repertory</b>		
8		
MUS 135	Writing Through Music	
<i>Select 3 courses from the following, at least two of which are at the 300 or 400 level:</i>		
MUS 211	Topics in Pop Music	
MUS 212	Topics in Hip Hop	
MUS 229	History of Rock Music	
MUS 242	Music for Film	
MUS 243	Music and Fairy Tales	
MUS 244	Music Cultures of the World	
MUS 325	First Nights: Five Performance Premieres	
MUS 326	Music and Environment	
MUS 332	History of Western Music II	
MUS 333	History of Western Music III	
MUS 334	American Music	
MUS 354	Modern Asia Through Its Music	
MUS 369	Music and the Grand Tour	
MUS 431	Selected Topics in Ethnomusicology	
MUS 455	The Symphonic Tradition	
MUP 460	History of Jazz	
MUS 483	Music before 1600	
MUS 484	Music from 1600 to 1800	
MUS 495	History of Opera	
MUS 485	Music of the Nineteenth Century	
MUS 486	Music of the Twentieth Century	
<b>Keyboard **</b>		
MUP 131	Class Piano	3
MUP 132	Class Piano	
MUP 133	Class Piano	
<b>Conducting</b>		
<i>Select 1 credit from the following:</i>		
MUP 319	Choral Conducting I	
MUP 372	Instrumental Conducting I	
<i>* May be repeated for credit. Students may take MUP 115 for two semesters, or they may take MUP 115 for one semester and MUP 220 for one semester.</i>		
<i>** 3 credits of coursework through MUP 133. Not required of keyboard principals.</i>		
<b>Jazz Concentration Requirements</b>		
• 120 credit hours		
Code	Title	Credit Hours
<b>Principal Performance Area</b>		
MUP 151	Performance Studies	22
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
<b>Ensemble or Chamber Music</b>		
10		

Select 8 credits by placement audition from the following:<sup>\*</sup>

ENS 348 Chamber Music <sup>\*\*</sup>

ENS 395 Jazz Ensemble I

ENS 396 Jazz Ensemble II

Choose 2 credits from the following (many require audition):<sup>\*</sup>

ENS 348 Chamber Music

ENS 371 Steelpan Ensemble

ENS 377 Old Time Ensemble

ENS 378 Indian Music

ENS 379 Middle Eastern Ensemble

ENS 380 Spartan Voices

ENS 382 University Chorale

ENS 388 Chamber Singers

ENS 390 Sinfonia

ENS 391 University Symphony Orchestra

ENS 392 Concert Band

ENS 393 Wind Ensemble

ENS 394 Symphonic Band

ENS 395 Jazz Ensemble I

ENS 396 Jazz Ensemble II

#### Musicianship Skills and Analysis

14

MUS 101 Introduction to Music Theory

MUS 105 Aural Skills I

MUS 102 Analysis of Western European Music and Related Traditions II

MUS 106 Aural Skills II

MUS 201 Analysis of Western European Music and Related Traditions III

MUS 202 Analysis of Western European Music and Related Traditions IV

#### History and Repertory

15

ADS 201 Introduction to African American Studies

MUP 460 History of Jazz

MUS 135 Writing Through Music

MUS 332 History of Western Music II

MUS 333 History of Western Music III

#### Music Support Courses

24

MUP 104 Introduction to Jazz Listening

MUP 204 Principles of Jazz Theory

MUP 321 Jazz Improvisation I

MUP 372 Instrumental Conducting I

MUP 402 Entrepreneurship in the Performing Arts

MUP 409 Jazz Pedagogy

MUP 423 Jazz Arranging I

MUS 107 Technology for Musicians I

Select two courses from the following:<sup>1</sup>

MUP 322 Jazz Improvisation II

MUP 424 Jazz Arranging II

MUP 349 Audio Recording I

#### Recital

1

MUP 400 Recital

**\*\* Must take ENS 348-02**

<sup>1</sup> Students may take ENT 135 Recording Engineering I, offered at Guilford Technical Community College, through the consortium, as part of this requirement. (This would be transcribed as credit with no grade assigned. Students should fill in the consortium request form found at the registrar's office).

## Keyboard Concentration Requirements

- 120 credit hours

Code	Title	Credit Hours
	<b>Principal Performance Area</b>	<b>22</b>
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
	<b>Chamber Music</b>	<b>4</b>
	Select 4 credits of the following:	
ENS 347	Casella Sinfonietta	
ENS 348	Chamber Music	
ENS 376	Period Music Ensembles	
ENS 377	Old Time Ensemble	
	<b>Keyboard Accompanying</b>	<b>4</b>
	Select 4 credits of the following:	
MUP 284	Fundamentals of Keyboard Accompanying I	
MUP 285	Fundamentals of Keyboard Accompanying II	
ENS 349	Keyboard Accompanying	
ENS 350	Service Playing Skills for Organists and Pianists	
	<b>Pedagogy</b>	<b>3</b>
MUP 412	Piano Pedagogy I or MUP 425 Organ Pedagogy or MUP 417 Piano Pedagogy II	
	<b>Recitals</b>	<b>1</b>
MUP 300	Recital	
MUP 400	Recital	
	<b>Musicianship Skills and Analysis</b>	<b>16</b>
MUS 101	Introduction to Music Theory	
MUS 102	Analysis of Western European Music and Related Traditions II	
MUS 105	Aural Skills I	
MUS 106	Aural Skills II	
MUS 201	Analysis of Western European Music and Related Traditions III	
MUS 202	Analysis of Western European Music and Related Traditions IV	
MUS 205	Aural Skills III	
MUS 206	Aural Skills IV	
	<b>History and Repertory</b>	<b>12</b>
MUS 135	Writing Through Music	

\* Placement by audition in one, two, or all three of the courses listed.

MUS 332	History of Western Music II		MUP 300	Recital	
MUS 333	History of Western Music III		MUP 400	Recital	
MUS 334	American Music				
<b>Music Support Courses</b>		<b>9</b>			
Select 9 credits *					
<b>Conducting</b>		<b>1</b>			
MUP 319	Choral Conducting I		MUS 101	Introduction to Music Theory	
or MUP 372	Instrumental Conducting I		MUS 102	Analysis of Western European Music and Related Traditions II	
<b>Piano Literature</b>		<b>3</b>	MUS 105	Aural Skills I	
MUP 413	Piano Literature I		MUS 106	Aural Skills II	
or MUP 414	Piano Literature II		MUS 201	Analysis of Western European Music and Related Traditions III	
<b>Keyboard Harmony</b>		<b>2</b>	MUS 202	Analysis of Western European Music and Related Traditions IV	
MUP 302	Keyboard Harmony I		MUS 205	Aural Skills III	
MUP 303	Keyboard Harmony II		MUS 206	Aural Skills IV	
<b>Orchestration/Counterpoint</b>		<b>3</b>			
MUP 455	Orchestration		MUS 135	Writing Through Music	
or MUS 439	Tonal Counterpoint		MUS 311	Anthropology of Music, Sound, and Power	
<b>Entrepreneurship</b>		<b>3</b>	MUS 334	American Music	
MUP 402	Entrepreneurship in the Performing Arts		MUS 431	Selected Topics in Ethnomusicology	
<b>Repertoire Class</b>					
MUP 301	Repertoire Class **		<b>Technology</b>		<b>1</b>
			MUS 107	Technology for Musicians I	
<b>Principal Performance Area</b>		<b>Credit Hours</b>			
		<b>16</b>	<b>Piano</b>		<b>2</b>
MUP 151	Performance Studies		MUP 131	Class Piano	
MUP 152	Performance Studies		MUP 132	Class Piano	
MUP 251	Performance Studies				
MUP 252	Performance Studies		<b>Conducting</b>		<b>1</b>
MUP 351	Performance Studies		MUP 372	Instrumental Conducting I	
MUP 352	Performance Studies				
MUP 451	Performance Studies		<b>Entrepreneurship in the Performing Arts</b>		<b>3</b>
MUP 452	Performance Studies		MUP 402	Entrepreneurship in the Performing Arts	
<b>Secondary Performance Area - Drum Set</b>		<b>2</b>			
MUP 153	Performance Studies		<b>Repertoire Class **</b>		<b>0-8</b>
MUP 253	Performance Studies		MUP 301	Repertoire Class **	
<b>Jazz Improvisation</b>		<b>3</b>			
MUP 321	Jazz Improvisation I		<b>Music Support Courses</b>		<b>5-6</b>
<b>Ensemble</b>		<b>8</b>	DCE 101	Introduction to Dance	
Select 6 credits from the following:			ENS 371	Steelpan Ensemble	
ENS 391	University Symphony Orchestra		ENS 378	Indian Music	
ENS 393	Wind Ensemble				
ENS 394	Symphonic Band				
Select 2 credits from the following:					
ENS 348	Chamber Music				
ENS 375	Present-Continuous New Music Ensemble				
<b>Chamber Ensemble</b>		<b>8</b>			
ENS 370	Percussion Ensemble *				
<b>Recitals</b>		<b>1</b>			

\* May not be Performance or Ensemble.  
\*\* Taken for 8 semesters.

## Percussion Concentration Requirements

Code	Title	Credit Hours
<b>Principal Performance Area</b>		
MUP 151	Performance Studies	
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
<b>Secondary Performance Area - Drum Set</b>		<b>2</b>
MUP 153	Performance Studies	
MUP 253	Performance Studies	
<b>Jazz Improvisation</b>		<b>3</b>
MUP 321	Jazz Improvisation I	
<b>Ensemble</b>		<b>8</b>
Select 6 credits from the following:		
ENS 391	University Symphony Orchestra	
ENS 393	Wind Ensemble	
ENS 394	Symphonic Band	
Select 2 credits from the following:		
ENS 348	Chamber Music	
ENS 375	Present-Continuous New Music Ensemble	
<b>Chamber Ensemble</b>		<b>8</b>
ENS 370	Percussion Ensemble *	
<b>Recitals</b>		<b>1</b>

\* ENS 370 is taken for 8 semesters.

\*\* MUP 301 is taken for eight semesters at 0 or 1 credits. At minimum 0 credit registrations are required for the degree.

## Popular Music and Technology Concentration Requirements

Code	Title	Credit Hours
<b>Principal Performance Area</b>		
MUP 161	Popular Music Performance	
MUP 162	Popular Music Performance	
MUP 261	Popular Music Performance	
MUP 262	Popular Music Performance	
MUP 325	Singer Songwriting	
MUP 492	Capstone Project	
<i>Select 2 additional Performance Studies credits from the following:</i>		
MUP 125	Class Voice	
MUP 131	Class Piano	

MUP 132	Class Piano	MUS 212	Topics in Hip Hop
MUP 133	Class Piano	MUS 214	Jazz Appreciation
MUP 180	Beginning Guitar	MUS 229	History of Rock Music
MUP 182	Beginning Piano	MUS 242	Music for Film
MUP 184	Beginning Ukulele	MUS 244	Music Cultures of the World
MUP 262	Popular Music Performance *	<i>Select 6 credits from the following:</i>	
MUP 151	Performance Studies	MUS 332	History of Western Music II
MUP 152	Performance Studies	MUS 333	History of Western Music III
MUP 153	Performance Studies	MUS 334	American Music
MUP 251	Performance Studies	MUP 460	History of Jazz
MUP 252	Performance Studies	MST 303	History of Digital Media
MUP 253	Performance Studies	MST 407	Media Law and Ethics
MUP 351	Performance Studies	MST 420	History of Film to 1938
MUP 352	Performance Studies	MST 421	History of Film since 1938
MUP 353	Performance Studies	<b>Support Courses</b>	
MUP 451	Performance Studies	ENG 221	Writing of Poetry: Introductory
MUP 452	Performance Studies	MUP 402	Entrepreneurship in the Performing Arts
<b>Ensemble</b>		<b>Music Electives</b>	
<i>Select 8 credits from courses in the ENS Prefix</i>		<i>Select 6-8 credits of ENS, MUE, MUP, MUS electives not already required by the major and concentration.</i>	
<b>Composition and Improvisation</b>		<b>6-8</b>	
<i>Select 6 credits from the following:</i>			
MUP 115	Composition Skills *	*	
MUP 114	Popular Music Composition and Arranging	**	
MUP 153	Performance Studies **	Only MUP 153 in Composition may be used for this requirement.	
MUP 321	Jazz Improvisation I	1 Students placing out of MUS 100 through the screening process will move into MUS 101/MUS 105 (4 credits), and complete the Western European Music Theory section with MUS 102/MUS 106 (4 credits). Students taking MUS 100 (2 credits) can complete this section by taking MUS 101/MUS 105 (4 credits).	
MUP 322	Jazz Improvisation II		
MUP 331	Free Improvisation		
MUP 423	Jazz Arranging I		
MUP 424	Jazz Arranging II		
<b>Technology</b>		<b>12</b>	
<i>Select 12 credits from the following:</i>			
MUP 220	Making Music with Computers	<b>Principal Performance Area</b>	
MUP 310	Audiovisual Demos For Musicians	MUP 151	Performance Studies
MUP 316	Modular Sound Synthesis	MUP 152	Performance Studies
MUP 344	Digital Music Composition I	MUP 251	Performance Studies
MUP 345	Digital Music Composition II	MUP 252	Performance Studies
MUP 349	Audio Recording I	MUP 351	Performance Studies
MUP 421	Music Technology in Performance	MUP 352	Performance Studies
<b>Western European Music Theory</b> <sup>1</sup>		MUP 451	Performance Studies
MUS 100	Fundamentals of Western European Music Theory	MUP 452	Performance Studies
MUS 101	Introduction to Music Theory	<b>Repertoire Class</b> *	
MUS 102	Analysis of Western European Music and Related Traditions II	MUP 301	Repertoire Class *
MUS 105	Aural Skills I	<b>Recitals</b>	
MUS 106	Aural Skills II	MUP 300	Recital
<b>Jazz Theory</b>		MUP 400	Recital
MUP 104	Introduction to Jazz Listening	<b>Ensemble</b>	
MUP 204	Principles of Jazz Theory	<i>Select 8 credits by placement audition from the following:</i>	
<b>History and Repertory</b>		ENS 390	Sinfonia
MUS 135	Writing Through Music	ENS 391	University Symphony Orchestra
<i>Select 3 credits from the following:</i>			
MUS 211	Topics in Pop Music	<b>Chamber Music</b>	
		<i>Select 6 credits from the following:</i>	
		ENS 347	Casella Sinfonietta

ENS 348	Chamber Music		MUP 300	Recital	
ENS 376	Period Music Ensembles		MUP 400	Recital	
ENS 377	Old Time Ensemble		<b>Ensemble</b>	<i>Select 8 credits from the following:</i>	<b>8</b>
<b>Musicianship Skills and Analysis</b>		<b>16</b>	ENS 380	Spartan Voices	
MUS 101	Introduction to Music Theory		ENS 382	University Chorale	
MUS 105	Aural Skills I		ENS 387	Coro di Belle Voci	
MUS 102	Analysis of Western European Music and Related Traditions II		ENS 388	Chamber Singers	
MUS 106	Aural Skills II		<b>Diction</b>		<b>4</b>
MUS 201	Analysis of Western European Music and Related Traditions III		MUP 170	Italian and Latin Diction for Singers	
MUS 205	Aural Skills III		MUP 171	English and Spanish Diction for Singers	
MUS 202	Analysis of Western European Music and Related Traditions IV		MUP 270	French Diction for Singers	
MUS 206	Aural Skills IV		MUP 271	German and French Diction for Singers	
<b>History and Repertory</b>		<b>12</b>	<b>Languages</b>		<b>10</b>
MUS 135	Writing Through Music		FRE 101	Beginning French I	
MUS 332	History of Western Music II		GER 101	Beginning German I	
MUS 333	History of Western Music III		MUP 498	Italian for Singers	
MUS 334	American Music		<b>Song Literature</b>		<b>3</b>
<b>Music Support Courses</b>		<b>8</b>	MUP 426	Song Literature I	
<i>Select 8 credits from MUS, MUE, MUP, or VPA courses not already required by the major and concentration.</i>			or MUP 427	Song Literature II	
<b>Keyboard **</b>		<b>3</b>	<b>Piano Proficiency</b>	**	<b>3</b>
MUP 131	Class Piano		MUP 131	Class Piano	
MUP 132	Class Piano		MUP 132	Class Piano	
MUP 133	Class Piano		MUP 133	Class Piano	
<b>Conducting</b>		<b>1</b>	<b>Secondary Piano Lessons</b>		<b>3</b>
MUP 372	Instrumental Conducting I		MUP 153	Performance Studies	
<b>Entrepreneurship in the Performing Arts</b>		<b>3</b>	MUP 253	Performance Studies	
MUP 402	Entrepreneurship in the Performing Arts		MUP 353	Performance Studies	
<b>Music Technology</b>		<b>1</b>	<b>Musicianship Skills and Analysis</b>		<b>16</b>
MUS 107	Technology for Musicians I		MUS 101	Introduction to Music Theory	
* MUP 301 is taken for eight semesters at 0 or 1 credits. At minimum 0 credit registrations are required for the degree.			MUS 105	Aural Skills I	
** Course work through MUP 133 or proficiency.			MUS 102	Analysis of Western European Music and Related Traditions II	
<b>Voice Concentration Requirements</b>			MUS 106	Aural Skills II	
<b>Code</b>	<b>Title</b>		MUS 201	Analysis of Western European Music and Related Traditions III	
<b>Principal Performance Area</b>			MUS 205	Aural Skills III	
MUP 151	Performance Studies	<b>20</b>	MUS 202	Analysis of Western European Music and Related Traditions IV	
MUP 152	Performance Studies		MUS 206	Aural Skills IV	
MUP 251	Performance Studies		<b>History and Repertory</b>		<b>12</b>
MUP 252	Performance Studies		MUS 135	Writing Through Music	
MUP 351	Performance Studies		MUS 332	History of Western Music II	
MUP 352	Performance Studies		MUS 333	History of Western Music III	
MUP 451	Performance Studies		MUS 334	American Music	
MUP 452	Performance Studies		<b>Music Support Courses</b>		<b>10</b>
<b>Repertoire Class *</b>		<b>0-8</b>	MUS 107	Technology for Musicians I	
MUP 301	Repertoire Class *		MUP 319	Choral Conducting I	
<b>Recitals</b>		<b>1</b>	MUP 375	Opera Performance Techniques	
			MUP 402	Entrepreneurship in the Performing Arts	
			MUP 428	Principles of Vocal Pedagogy	

- \* MUP 301 is taken for eight semesters at 0 or 1 credits. At minimum 0 credit registrations are required for the degree.  
 \*\* Course work through MUP 133 or proficiency.

## Woodwinds Concentration Requirements

Code	Title	Credit Hours
<b>Principal Performance Area</b>		
MUP 151	Performance Studies	20
MUP 152	Performance Studies	
MUP 251	Performance Studies	
MUP 252	Performance Studies	
MUP 351	Performance Studies	
MUP 352	Performance Studies	
MUP 451	Performance Studies	
MUP 452	Performance Studies	
<b>Repertoire Class *</b>		<b>0-8</b>
MUP 301	Repertoire Class *	
<b>Recitals</b>		
MUP 300	Recital	1
MUP 400	Recital	
<b>Ensemble **</b>		<b>12</b>
Choose 8 credits from the following:		
ENS 391	University Symphony Orchestra	
ENS 392	Concert Band	
ENS 393	Wind Ensemble	
ENS 394	Symphonic Band	
Choose 4 credits from the following:		
ENS 347	Casella Sinfonietta	
ENS 348	Chamber Music	
ENS 370	Percussion Ensemble	
ENS 371	Steelpan Ensemble	
ENS 376	Period Music Ensembles	
ENS 377	Old Time Ensemble	
ENS 378	Indian Music	
ENS 379	Middle Eastern Ensemble	
ENS 395	Jazz Ensemble I	
ENS 390	Sinfonia	
ENS 396	Jazz Ensemble II	
<b>Piano Proficiency</b> <sup>1</sup>		<b>3</b>
MUP 131	Class Piano	
MUP 132	Class Piano	
MUP 133	Class Piano	
<b>Musicianship Skills and Analysis</b>		
MUS 101	Introduction to Music Theory	16
MUS 105	Aural Skills I	
MUS 102	Analysis of Western European Music and Related Traditions II	
MUS 106	Aural Skills II	
MUS 201	Analysis of Western European Music and Related Traditions III	
MUS 205	Aural Skills III	

MUS 202	Analysis of Western European Music and Related Traditions IV	
MUS 206	Aural Skills IV	
<b>History and Repertory</b>		
MUS 135	Writing Through Music	1
MUS 332	History of Western Music II	
MUS 333	History of Western Music III	
MUS 334	American Music	
<b>Conducting</b>		
MUP 372	Instrumental Conducting I	
<b>Entrepreneurship in the Performing Arts</b>		
MUP 402	Entrepreneurship in the Performing Arts	3
<b>Music Technology</b>		
MUS 107	Technology for Musicians I	1
<b>Music Support Courses</b>		

*At least 3 courses chosen from the following list. Other courses to reach 12-13 credits should be from MUS or VPA courses not already required by the major and concentration.*

VPA 210	Body Mapping: What Every Performer Needs to Know About the Body
VPA 454	
DCE 111	Introduction to Contemporary Dance
DCE 116	Jazz Dance I
DCE 132	African Dance I

\* MUP 301 is taken for eight semesters at 0 or 1 credits. At minimum 0 credit registrations are required for the degree.

\*\* Or other ENS 3XX - Selected by advisement (excluding ENS 391, ENS 392, ENS 393, and ENS 394).

<sup>1</sup> Course work through MUP 133 or proficiency

## Disciplinary Honors in Music

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Music.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
MUS 301	Analysis of Western European Post-Tonal Music and Related Traditions *	9
MUS 333	History of Western Music III *	
HSS 490	Senior Honors Project	

Select 3 credits from the following:	3
Any Contract Honors course in Music	
Any Honors course (whether or not in Music)	

\* Under certain circumstances, the Music Honors Panel may permit a graduate-level course to be taken in place of the listed required courses.

## Recognition

Receive a Certificate of Disciplinary Honors in Music; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

## Honors Advisor

Contact Alex Ezerman at [abezman@uncg.edu](mailto:abezman@uncg.edu) for further information and guidance about Honors in Music. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Music Undergraduate Minor

The 18 credit hours Music minor affords students majoring in other fields the opportunity to enrich their degree programs with applied and scholarly engagement with music.

## Program Requirements

- Minimum of 18 credit hours.
- Minimum grade of C in all courses taken to fulfill the minor.

Code	Title	Credit Hours
<b>Advanced MUS Course</b>		
	<i>Select 3 credits of one MUS course at the 300 level or higher.</i>	3
<b>Additional Music Courses</b>		
	<i>Select 15 credits of additional music courses with one of the following prefixes:</i>	15
MUE		
MUS		
MUP		
ENS		
VPA		

## Music Composition, M.M.

The M.M. in Composition is a two-year degree, which requires 33 credit hours. At least one half the course work credited toward the degree must be in 600-level courses or above. A diagnostic examination is administered prior to the first semester of enrollment. In addition to private composition study, students take courses in orchestration, electronic music, counterpoint, advanced theory and history, and electives.

Assistantships are available, as are a limited number of in-state and out-of-state tuition waivers. Graduate Assistants in Composition are routinely assigned to teach Composition Skills or Making Music with Computers, assist in activities of the Composition Studios, help maintain and organize the Electronic Music Studios, give tech support for public events, and teach or assist with Music Theory.

Additional policies and regulations are found in the Graduate Music Handbook, <https://vpa.uncg.edu/music/music-current-students/graduate/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement. Samples of work are required and should be forwarded directly to the Music office. Some

applicants may need to submit a resume/vita and/or participate in an interview or audition. Contact the Music office for more information.

## Degree Program Requirements

**Required:** 33 credit hours

Enrollment in MUP 651 Performance Studies or MUP 699 Thesis is required during the semester of the degree recital.

A written Comprehensive Exam is required for graduation.

A thesis is required and at least one recital is required (Capstone Experience).

Code	Title	Credit Hours
<b>Courses in the Major (18 credits)</b>		
MUP 600	Recital	0
MUP 644	Digital Music Composition I	3
or MUP 645	Digital Music Composition II	
MUP 651	Performance Studies <sup>1</sup>	9
MUP 655	Orchestration	3
MUP 699	Thesis	3
<b>Courses in Support of the Major (12 credits)</b>		
MUS 639	Tonal Counterpoint	3
Select 9 credits from the following:		
3-6 credits of Musicology and Ethnomusicology <sup>2</sup>		
3-6 credits of Music Theory		
<b>Electives (3 credits)</b>		
Select 3 credits of electives <sup>3</sup>		
<b>Total Credit Hours</b>		<b>33</b>

<sup>1</sup> Enrollment in at least two semesters of MUP 651 is required before the semester of the degree recital.

<sup>2</sup> Must include one course focusing on music of the past 100 years.

<sup>3</sup> Must be Music electives. Upon approval of the Composition Faculty and the Graduate Program Director in Music Performance, a course in digital media (e.g., film, video) offered in other departments such as Art or Media Studies may be used as an elective.

## Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: [vpa.uncg.edu/music/music-current-students/graduate/](https://vpa.uncg.edu/music/music-current-students/graduate/) (<https://vpa.uncg.edu/music/music-current-students/graduate/>).

## Music Education, M.M.

The M.M. in Music Education requires 32 credit hours. At least one-half the course work credited toward the degree must be in 600-level courses or above. Diagnostic examinations in music history and music theory are administered prior to the first semester of enrollment. Students complete their M.M. Portfolio either during the semester prior to the final semester or during the final semester. The portfolio demonstrates advanced competencies of teaching music.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

**Required:** 32 credit hours

Code	Title	Credit Hours
<b>Music Research (3 credits)</b>		
MUE 601	Research Methods in Music	3
<b>Professional Music Education Core (15 credits)</b>		
MUE 639	Pedagogical Conducting	3
MUE 650	Seminar in Music Education	3
Select 9 credits from the following:		9
MUE 605	The Measurement of Musical Behavior	
MUE 633	Music for Exceptional Children	
MUE 634	Contemporary Trends in Music Education	
MUE 653	Music Supervision	
<b>Electives (12 credits)</b>		
Select 12 credits of electives *		12
<b>Portfolio (Capstone Experience) (2 credits)</b>		
MUE 692A	Portfolio Development in Music Education	1
MUE 692B	Portfolio Development in Music Education	1
<b>Total Credit Hours</b>		<b>32</b>

\* A minimum of three 3-credit courses are required; a maximum of 3 credits of music performance study in music ensembles (i.e., ENS 6XX) or private music lessons (e.g., MUP 653) may be completed for the remaining 3 credits of electives.

## Music Theory, M.M.

The M.M. in Music Theory requires 34 credit hours. Thesis and non-thesis options are offered. At least one half the course work credited toward the degree must be in 600-level courses or above. A diagnostic examination is administered prior to the first semester of enrollment. The capstone experience is a required written comprehensive examination in the final semester and a thesis or document.

Additional policies and regulations are found in the Graduate Music Handbook, <https://vpa.uncg.edu/music/music-current-students/graduate/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must provide:

- A statement of intent that outlines their background, interest in music theory, and career goals.
- A scholarly paper on music, preferably one with an analytical focus.
- Applicants whose materials pass an initial screening by the music theory faculty will be invited for an interview that tests sight-reading, dictation, analysis, and keyboard skills. A diagnostic written exam is administered prior to the interview.

## Degree Program Requirements

**Required:** 34 credit hours

Code	Title	Credit Hours
<b>Core (6 credits)</b>		
MUS 602	Seminar in Music Research and Writing	3
MUS 706	Seminar in Musicology and Ethnomusicology	3
<b>Performance (2 credits)</b>		
Select 2 credits from PRF-type and/or ENS courses at the 600 level		2
<b>Electives (3 credits)</b>		
Select 3 credits of electives <sup>1</sup>		3
<b>Select one option from the following: (23 credits) <sup>2</sup></b>		
<i>Thesis Option</i>		
Major Courses (18 credits)		
MUS 644	Pedagogy of Music Theory	
MUS 660	Rhythm and Meter	
MUS 662	Schenkerian Analysis	
MUS 664	Theory and Analysis of Western European Post-Tonal Music and Related Traditions	
MUS 690	Current and Historical Trends in Music Theory	
MUS 707	Seminar in Musical Analysis	
Thesis (5 credits)		
MUS 699	Thesis <sup>3</sup>	
<i>Non-Thesis Option</i>		
Major Courses (21 credits)		
MUS 639	Tonal Counterpoint	
or MUS 692	Advanced Analysis of Western European Tonal Music and Related Traditions	
MUS 644	Pedagogy of Music Theory	
MUS 660	Rhythm and Meter	
MUS 662	Schenkerian Analysis	
MUS 664	Theory and Analysis of Western European Post-Tonal Music and Related Traditions	
MUS 690	Current and Historical Trends in Music Theory	
MUS 707	Seminar in Musical Analysis	
Document (2 credits)		
MUS 698	Document in Music Theory <sup>4</sup>	
<b>Total Credit Hours</b>		<b>34</b>

<sup>1</sup> Should be chosen in consultation with the major advisor; MUE 618 Psychology of Music is recommended.

<sup>2</sup> For both the thesis and non-thesis options, a comprehensive examination with both written and oral components is required. The thesis or document is to be presented in a public forum.

<sup>3</sup> 5 credits of MUS 699 are required for the Thesis Option.

<sup>4</sup> 2 credits of MUS 698 are required for the Non-Thesis Option.

## Performance, M.M.

The M.M. in Performance requires 32 credit hours for all concentrations except Collaborative Piano, which requires 33 credit hours; Piano Pedagogy, which requires 35 credit hours; and Vocal Pedagogy, which requires 35 credit hours. At least one half the course work credited toward the degree must be in the 600-level courses or above. A diagnostic examination is administered prior to the first semester of enrollment.

Assistantships are available, as are a limited number of in-state and/or out-of-state tuition waivers. Graduate Assistants in Performance are routinely assigned to teach performance studies, perform in ensembles, teach required classes depending on experience, and assist with other support duties in the School of Music.

Additional policies and regulations are found in the Graduate Music Handbook, <https://vpa.uncg.edu/music/music-current-students/graduate/>

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application material required by the Graduate School, applicants must present a performance audition and/or interview.

Performance auditions/interviews are required for acceptance as a music major and for approval of the area of study.

M.M. Auditions should be arranged in advance through the graduate music office, and are to be scheduled on regularly scheduled audition dates. Visit: <https://vpa.uncg.edu/music/apply/> for more information.

Additional policies and regulations are found in the Graduate Music Handbook located at: <https://vpa.uncg.edu/music/music-current-students/graduate/>.

## Degree Program Requirements

**Required:** 32-35 credit hours

For all concentrations in the M.M. in Performance, enrollment in two semesters of MUP 651 Performance Studies is required before the degree recital may be scheduled. Enrollment in MUP 651 is required during the semester of the degree recital. A Final Comprehensive Evaluation (written and/or oral examination, comprehensive written document, or other format appropriate to and determined by concentration) is required for graduation. At least one recital is required for all concentrations. (Capstone Experience)

Additional degree requirements are listed by Concentration.

### Ensemble Requirements

Masters students who are registered for 2 or more credits of music performance studies must audition for and perform in an ensemble each semester, as required by concentration. Students will have the opportunity to express their ensemble placement preferences, but they will be assigned according to audition results and ensemble priorities. Ensemble assignments and placement will be determined by the Director of Bands, Director of Orchestras, Director of Choral Programs and the Director of the Miles Davis Jazz Program in the consultation with the performance teachers and appropriate Area Coordinator.

### Collaborative Piano Concentration

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Courses in the Major (17 credits)</b>		
ENS 648	Chamber Music <sup>1</sup>	4
MUP 600	Recital <sup>2</sup>	0
MUP 651	Performance Studies	12
MUP 653	Performance Studies (Secondary) <sup>3</sup>	1

<b>Courses in Support of the Major (12 credits)</b>		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
Select one course (3 credits) from 600- or 700-level MUS music theory or music history courses		3
Select two courses (6 credits) from the following:		6
MUP 620	Seminar in Piano	
MUP 626	Song Literature I	
or MUP 634	Song Literature II	
MUP 649	Audio Recording I	
MUP 661	Entrepreneurial Career Development in Music	
MUP 687		
MUP 697	Directed Study in Music Performance	
MUS 665	History of Opera	
<b>Electives (4 credits)</b>		
Select 4 credits of electives		4
<b>Total Credit Hours</b>		
		33

<sup>1</sup> Four semesters of ENS 648 are required for a total of 4 credits.

<sup>2</sup> Two collaborative piano recitals are required. Recital repertoire should include representative selections from vocal and instrumental literature. At least one work may be played on either the harpsichord or fortepiano.

<sup>3</sup> Harpsichord, fortepiano, or organ.

### Language Requirement

An internal pass/fail exam on the International Phonetic Alphabet will be administered in the final semester and should be a focus of self-study.

### Conducting (Choral) Concentration

**Required:** 32 credit hours

One semester of undergraduate conducting, two semesters of undergraduate diction including study of German and/or French diction, at least two semesters of undergraduate vocal study, and a history of participation in collegiate choral ensembles during the undergraduate degree must be satisfactorily credited on a college transcript. Deficiency in conducting study, voice study, and diction credits may be resolved with appropriate enrollment while working on the current degree; however, these credits will not count toward the degree.

Code	Title	Credit Hours
<b>Courses in the Major (17 credits)</b>		
<i>Performance Studies</i>		
MUP 651	Performance Studies	8
<i>Ensemble</i>		
Select 4 credits from the following: *		4
ENS 680	Spartan Voices	
ENS 681	Spartan Voices II	
ENS 682	University Chorale	
ENS 688	Chamber Singers	
<i>Pedagogy</i>		
MUP 627	Principles of Vocal Pedagogy	3
<i>Secondary Keyboard or Vocal Performance Study</i>		
MUP 653	Performance Studies (Secondary)	2
<i>Recital</i>		

MUP 600	Recital	0
<b>Courses in Support of the Major (12 credits)</b>		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 622	Seminar in Choral Literature	6
Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
<b>Electives (3 credits)</b>		
Select 3 credits of electives		3
<b>Total Credit Hours</b>		<b>32</b>

\* By audition placement.

## Conducting (Instrumental) Concentration

Required: 32 credit hours

Code	Title	Credit Hours
<b>Courses in the Major (15 credits)</b>		
MUP 651	Performance Studies	12
<i>Ensemble</i>		
Select 2 credits <sup>1</sup>		2
<i>Recital</i>		
MUP 600	Recital	1
<b>Courses in Support of the Major (12 credits)</b>		
Select 9 credits from any graduate music courses not in the major <sup>2</sup>		9
Select one course (3 credits) from the following: <sup>3</sup>		3
MUE 601	Research Methods in Music	
MUS 602	Seminar in Music Research and Writing	
MUP 683	Graduate Seminar in Contemporary Music Performance Practice	
<b>Electives (5 credits)</b>		
Select 5 credits of electives		5
<b>Total Credit Hours</b>		<b>32</b>

<sup>1</sup> Placement by audition.

<sup>2</sup> Non-performance, non-ensemble.

<sup>3</sup> MUE 601 or MUS 602 are recommended.

## Early Keyboard Instruments Concentration

Required: 32 credit hours

Note: MUP 302 Keyboard Harmony I or MUP 303 Keyboard Harmony II or proficiency required (no graduate credit).

Code	Title	Credit Hours
<b>Courses in the Major (16 credits)</b>		
MUP 651	Performance Studies	12
<i>Secondary Performance Studies</i>		
MUP 653	Performance Studies (Secondary) <sup>*</sup>	2
<i>Ensemble</i>		
ENS 648	Chamber Music	2

MUP 600	Recital	0
<b>Courses in Support of the Major (12 credits)</b>		
MUE 601	Research Methods in Music	3
or MUS 602	Seminar in Music Research and Writing	
MUP 613	Piano Literature I	3
MUS 706	Seminar in Musicology and Ethnomusicology	3
Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
<b>Music Electives (4 credits)</b>		
Select 4 credits of electives		4
<b>Total Credit Hours</b>		<b>32</b>

\* Second keyboard instrument - organ, fortepiano, harpsichord, clavichord.

## Multiple Woodwinds (Three Instrument Track) Concentration

Required: 32 credit hours

Code	Title	Credit Hours
<b>Courses in the Major (20 credits)</b>		
MUP 651	Performance (15 credits) <sup>1</sup>	12
MUP 653	Performance Studies <sup>2</sup>	6-9
MUP 653	Performance Studies (Secondary) <sup>3</sup>	4
MUP 653	Performance Studies (Secondary) <sup>4</sup>	2-5
<i>Ensemble</i>		
Select 4 credits <sup>5</sup>		4
<i>Recital</i>		
MUP 600	Recital <sup>6</sup>	1
<b>Courses in Support of the Major (12 credits)</b>		
Select 9 credits from any graduate music courses not in the major <sup>7</sup>		9
Select one course (3 credits) from the following: <sup>8</sup>		3
MUE 601	Research Methods in Music	
MUS 602	Seminar in Music Research and Writing	
MUP 683	Graduate Seminar in Contemporary Music Performance Practice	
<b>Total Credit Hours</b>		<b>32</b>

<sup>1</sup> 15 credits total is required. Proficiency must be shown in secondary instruments at the undergraduate concentration upper-division examination level (MUP 351 Performance Studies proficiency minimum).

<sup>2</sup> Principal instrument, 6-9 credits.

<sup>3</sup> Secondary instrument, 4 credits.

<sup>4</sup> Third instrument, 2-5 credits.

<sup>5</sup> By audition placement.

<sup>6</sup> Must include at least two instruments.

<sup>7</sup> Non-performance, non-ensemble.

<sup>8</sup> MUE 601 and MUS 602 are recommended.

## Organ Concentration

Required: 32 credit hours

Code	Title	Credit Hours	MUS 660	Rhythm and Meter
<b>Courses in the Major (17 credits)</b>			MUS 662	Schenkerian Analysis
<i>Performance</i>			MUS 664	Theory and Analysis of Western European Post-Tonal Music and Related Traditions
MUP 651	Performance Studies	12	MUS 692	Advanced Analysis of Western European Tonal Music and Related Traditions
<i>Pedagogy</i>			MUS 707	Seminar in Musical Analysis
MUP 638	Organ Pedagogy	3	<b>Music Electives (6 credits)</b>	
<i>Ensemble</i>			Select 6 credits of electives	6
Select 2 credits *		2	<b>Total Credit Hours</b>	
<i>Recital</i>				32
MUP 600	Recital	0	* ENS 648 Chamber Music is recommended.	
<b>Courses in Support of the Major (15 credits)</b>			<b>Piano Pedagogy Concentration</b>	
MUE 601	Research Methods in Music	3	<b>Required:</b> 35 credit hours	
or MUS 602 Seminar in Music Research and Writing			Note: MUP 302 Keyboard Harmony I or MUP 303 Keyboard Harmony II or proficiency required (no graduate credit).	
<i>Theory</i>			<b>Code</b>	
Select two courses (6 credits) from 600- or 700-level MUS music theory courses		6	<b>Title</b>	
<i>Area Literature</i>			<b>Credit Hours</b>	
MUP 613	Piano Literature I	3	<b>Courses in the Major (23 credits)</b>	
<i>Electives</i>			<i>Performance</i>	
Select one non-performance course (3 credits) from 600- or 700-level MUS, MUP, or MUE courses		3	MUP 651	Performance Studies
<b>Total Credit Hours</b>		32	MUP 602	Practicum in Piano Pedagogy *

\* In any ensemble at the graduate level in consultation with the student's advisor.

## Piano Concentration

**Required:** 32 credit hours

Code	Title	Credit Hours	MUP 612	Piano Pedagogy I
<b>Courses in the Major (14 credits)</b>			MUP 617	Piano Pedagogy II
<i>Performance</i>			<i>Lecture/Demonstration and Recital</i>	
MUP 651	Performance Studies	12	MUP 600	Recital
<i>Ensemble</i>			MUP 610	Lecture-Demonstration
Select 2 credits *		2	<b>Courses in Support of the Major (9 credits)</b>	
<i>Recital</i>			MUE 601	Research Methods in Music
MUP 600	Recital	0	or MUS 602 Seminar in Music Research and Writing	
<b>Courses in Support of the Major (12 credits)</b>			MUP 613	Piano Literature I
MUE 601	Research Methods in Music	3	or MUP 614 Piano Literature II	
or MUS 602 Seminar in Music Research and Writing			Select one course (3 credits) from 600- or 700-level MUS music theory or musicology courses	
Select one course (3 credits) from the following:		3	3	
MUP 613	Piano Literature I		<b>Electives (3 credits)</b>	
MUP 614	Piano Literature II		Select 3 credits of electives **	3
MUP 620	Seminar in Piano		<b>Total Credit Hours</b>	
Select one course (3 credits) from the following:		3		35
MUS 665	History of Opera		* MUP 602 is taken in the first two semesters of the program.	
MUS 685	Music of the Nineteenth Century		** Elective courses may include ensembles, music technology, dance, courses outside of the School of Music, or any other graduate courses of interest to the student selected in consultation with their advisor.	
MUS 706	Seminar in Musicology and Ethnomusicology			
Select one course (3 credits) from the following:		3	<b>String, Wind, Percussion Concentration</b>	
MUS 639	Tonal Counterpoint		<b>Required:</b> 32 credit hours	
MUS 644	Pedagogy of Music Theory		<b>Code</b>	
<b>Courses in the Major (17 credits)</b>			<b>Title</b>	
<i>Performance</i>			<b>Credit Hours</b>	
MUP 651	Performance Studies	12		

\* MUP 602 is taken in the first two semesters of the program.

\*\* Elective courses may include ensembles, music technology, dance, courses outside of the School of Music, or any other graduate courses of interest to the student selected in consultation with their advisor.

## String, Wind, Percussion Concentration

**Required:** 32 credit hours

Code	Title	Credit Hours
<b>Courses in the Major (17 credits)</b>		
<i>Performance</i>		
MUP 651	Performance Studies	12

<b>Ensemble</b>		<b>Courses in Support of the Major (12 credits)</b>		
Select 4 credits <sup>1</sup>	4	MUE 601	Research Methods in Music	3
<i>Recital</i>		or MUS 602	Seminar in Music Research and Writing	
MUP 600 Recital <sup>2</sup>	1	MUP 626	Song Literature I	3
		or MUP 634	Song Literature II	
<b>Courses in Support of the Major (12 credits)</b>		Select one course (3 credits) from 600- or 700-level MUS music theory courses		3
Select 9 credits from any graduate music courses not in the major <sup>3</sup>	9	Select one course (3 credits) from the following:		
Select one course (3 credits) from the following: <sup>4</sup>	3	600-level music history course		3
		600-level music literature course		
MUE 601 Research Methods in Music				
MUS 602 Seminar in Music Research and Writing				
MUP 683 Graduate Seminar in Contemporary Music Performance Practice				
<b>Electives (3 credits)</b>		<b>Music Electives (4 credits)</b>		
Select 3 credits	3	Select 4 credits of electives		4
<b>Total Credit Hours</b>	<b>32</b>	<b>Total Credit Hours</b>		<b>35</b>

<sup>1</sup> By audition placement.

<sup>2</sup> Students may perform one additional recital to fulfill elective credits.

<sup>3</sup> Non-performance, non-ensemble.

<sup>4</sup> MUE 601 or MUS 602 are recommended.

## Vocal Pedagogy Concentration

**Required:** 35 credit hours

12 credits of language are required for voice majors—one semester each of French, German, and Italian plus a second semester of one of these three languages. These credits must be satisfactorily credited on a college transcript. In addition to diagnostic exams in history and theory required of all graduate students, voice students will be assessed on competency in written International Phonetic Alphabet and spoken pronunciation of Italian, German, French, and English. Deficiencies may be resolved with appropriate enrollment in undergraduate courses while working on the current degree; however, these credits will not count toward the degree. For graduate credit, students may resolve the deficiency by enrolling in MUP 630 The Study and Pedagogy of Phonetics as Applied to Singing. Consult the Graduate Handbook in Music Performance for further information.

Code	Title	Credit Hours		Credit Hours
<b>Courses in the Major (19 credits)</b>				
<i>Performance</i>				
MUP 640	Vocal Coaching	1	MUP 640	Vocal Coaching
MUP 651	Performance Studies	8	MUP 651	Performance Studies
<i>Pedagogy</i>				
MUP 627	Principles of Vocal Pedagogy	3	MUP 627	Principles of Vocal Pedagogy
MUP 728	Advanced Vocal Pedagogy	3		
<i>Ensemble</i>				
Select 2 credits from the following: *		2	Select 2 credits from the following: *	2
ENS 680	Spartan Voices		ENS 680	Spartan Voices
ENS 681	Spartan Voices II		ENS 681	Spartan Voices II
ENS 682	University Chorale		ENS 682	University Chorale
ENS 688	Chamber Singers		ENS 688	Chamber Singers
<i>Recital</i>				
MUP 600	Recital	0	MUP 600	Recital
<b>Courses in Support of the Major (12 credits)</b>				
MUE 601	Research Methods in Music	3	MUE 601	Research Methods in Music
	or MUS 602			Seminar in Music Research and Writing
MUP 626	Song Literature I	3	MUP 626	Song Literature I
	or MUP 634			Song Literature II

\* By audition placement.

## Voice Concentration

**Required:** 32 credit hours

12 credits of language are required for voice majors—one semester each of French, German, and Italian plus a second semester of one of these three languages. These credits must be satisfactorily credited on a college transcript. In addition to diagnostic exams in history and theory required of all graduate students, voice students will be assessed on competency in written International Phonetic Alphabet and spoken pronunciation of Italian, German, French, and English. Deficiencies may be resolved with appropriate enrollment in undergraduate courses while working on the current degree; however, these credits will not count toward the degree. For graduate credit, students may resolve the deficiency by enrolling in MUP 630 The Study and Pedagogy of Phonetics as Applied to Singing. Consult the Graduate Handbook in Music Performance for further information.

Select one course (3 credits) from 600- or 700-level MUS music theory courses	3
Select one course (3 credits) from the following:	3
600-level music history course	
600-level music literature course	
<b>Music Electives (4 credits)</b>	4
Select 4 credits of electives	4
<b>Total Credit Hours</b>	<b>32</b>

\* By audition placement.

## Music, D.M.A.

The D.M.A. in Music requires 90 credit hours of post-baccalaureate course work; 60 credits must be completed at UNC Greensboro (the Graduate School transfer credit policy applies). A diagnostic examination is administered prior to the first semester of enrollment.

Assistantships are available, as are a limited number of in-state and/or out-of state tuition waivers. Graduate Assistants in Performance are routinely assigned to teach performance studies, perform in ensembles, teach required classes depending on experience, and assist with other support duties in the School.

Additional policies and regulations are found in the Graduate Music Handbook, <https://vpa.uncg.edu/music/music-current-students/graduate/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, D.M.A. applicants must submit a repertory list, resume, and scholarly writing sample (if required) with the pre-screening recording.

The GRE is not required.

Students who begin study at the master's level at UNC Greensboro must successfully fulfill all requirements for the master's degree and successfully present a doctoral audition/interview to be admitted into the doctoral program.

## Degree Program Requirements

**Required:** 60 credit hours

The D.M.A. in Music requires a minimum of 90 credit hours of post-baccalaureate course work. Up to 30 credits earned in a master's program from an accredited graduate school may be applied to the elective portion of this degree. These credits may count toward the required cognate or help to satisfy competencies with the approval of the Doctoral Advisory Committee in accordance with the academic regulations of The Graduate School. These credits may not be used to satisfy any non-elective requirements.

The plan of study is developed individually in consultation with the student's advisory committee. At least 75% of all course work (36 credits), exclusive of the dissertation, must be at the 600- or 700-level. A diagnostic examination is administered prior to the first semester of enrollment.

3	The following 60 credits must be completed at UNC Greensboro (the Graduate School transfer credit policy applies):	
<b>Code</b> <b>Title</b> <b>Credit Hours</b>		
	<b>Performance Studies (18 credits minimum)</b>	
MUP 751	Performance Studies *	18
<b>Reading/Writing/Speaking Intensive Courses (9 credits minimum)</b>		
MUS 706	Seminar in Musicology and Ethnomusicology	3
<i>Musicology/Ethnomusicology Course (3 credits)</i>		
MUS 706	Seminar in Musicology and Ethnomusicology	3
<i>Music Theory Course (3 credits)</i>		
	Select one 600- or 700-level MUS music theory course (3 credits)	3
<i>Select one additional course (3 credits) from Musicology/ Ethnomusicology or Music Theory as stated above or from the following:</i>		
MUE 709	The Measurement of Musical Behavior	
MUE 718	Psychology of Music	
MUE 727	Issues in Multicultural Music Education	
MUE 733	Music for Exceptional Children	
MUE 734	Contemporary Trends in Music Education	
MUE 740	Music Education in Society	
MUE 745	Teaching Elementary Music: Theory and Practice	
MUE 751	Seminar in Music Education	
MUE 753	Music Supervision	
MUE 759	Philosophy of Music	
MUP 750	College Teaching: The Tenure Track	
<b>Electives (21 credits minimum)</b>		
	Select a minimum of 21 credits of elective courses	21
<b>Dissertation (12 credits minimum)</b>		
MUP 799	Dissertation	12
<b>Total Credit Hours</b>	<b>60</b>	

\* Students registered for more than 1 credit of MUP 751 must simultaneously enroll for at least 3 credits of non-performance or ensemble music course work.

## Required Competencies

Satisfactory completion of competencies is determined by the Doctoral Advisory Committee.

- Area Literature
- Area Pedagogy
- Language (if required by area, see Music Graduate Handbook for details)
- Research (Students who have not earned a B or higher in a bibliography/research course at the master's level from a NASM accredited school must take MUE 601 Research Methods in Music or MUS 602 Seminar in Music Research and Writing )

## Required Cognates

All students are required to develop a cognate that comprises 12 credits from any one area of study. These credits may come from the master's degree, the required doctoral courses, or any other courses taken at UNC Greensboro as electives. If a student applies for and completes one of our P.B.C.s, P.M.C.s, or doctoral minors, this fulfills the cognate requirement. For more information on our certificate programs, please see the

Programs section in the University Catalog. Satisfactory completion of cognates is determined by the Doctoral Advisory Committee.

## Required Milestones\*

- Diagnostic Exam
- Residency (Immersion)
- Continuation Jury
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Music Education, Ph.D.

The Ph.D. in Music Education requires 54 credit hours. At least 75% of all course work, exclusive of the dissertation, must be at the 600 or 700 level. A diagnostic examination is administered prior to the first semester of enrollment. A cognate, or cognates, in any area approved by the student's advisory/dissertation committee and The Graduate School may be elected as specified in the University Catalog.

Additional policies and regulations are found in the Graduate Music Handbook, <https://vpa.uncg.edu/music/music-current-students/graduate/>.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

**Required:** 54 credit hours

Code	Title	Credit Hours
<b>Required Music Education Courses (6 credits)</b>		
MUE 709	The Measurement of Musical Behavior	3
MUE 751	Seminar in Music Education	3
<b>Music Education Electives (6 credits)</b>		
Select two courses (6 credits) from 600- and 700-level MUE courses *		6
<b>Required Research Courses (9 credits)</b>		
MUE 700	Research Methods in Music	3
MUE 701	Research Methods in Music II	3
ERM 780	Intermediate Statistical Methods in Education	3
<b>Research Electives (3 credits)</b>		
Select one course (3 credits) from the following:		3
MUE 707	Qualitative Research in Music Education	
ERM 781	Design and Analysis of Educational Experiments	
<b>Electives (18 credits)</b>		

Select 18 credits of electives **	18
<b>Dissertation (12 credits)</b>	
MUE 799	Dissertation
<b>Total Credit Hours</b>	<b>54</b>

\* Students may select from any 600- or 700-level MUE courses.

\*\* Students may select from any graduate-level courses.

## Required Milestones\*

- Diagnostic Exam
- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Conducting, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Conducting is divided into instrumental and choral tracks and is designed to appeal to a wide range of prospective students including recent music education graduates who want more conducting training before beginning in-service teaching, prospective master's students in conducting who need more training before beginning their program, current non-conducting master's students at UNCG who wish to gain more conducting experience, and current non-conducting D.M.A. students who may choose this program as their cognate.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must have or submit:

- An undergraduate degree in music with evidence of prior conducting experience
- A short (~10 minute) prescreening recording of applicant conducting in rehearsal and performance
- An in-person or virtual audition with conducting faculty

## Certificate Program Requirements

**Required:** 12 credit hours

**Instrumental Track**

Code	Title	Credit Hours
<b>Conducting (8 credits)</b>		
Select 8 credits from the following:		8
MUP 601	Repertoire Class	
MUP 653	Performance Studies (Secondary)	
MUP 686	Advanced Instrumental Conducting *	
<b>Literature (3 credits)</b>		
Select one course (3 credits) from the following:		3
MUP 622	Seminar in Choral Literature	
MUP 636	Band Literature	
MUS 655	The Symphonic Tradition	
MUS 686	Music of the Twentieth Century	
<b>Recital (1 credit)</b>		
MUP 600	Recital	1
<b>Total Credit Hours</b>		<b>12</b>

\* May be repeated once for credit.

**Choral Track**

Code	Title	Credit Hours
<b>Conducting (6 credits)</b>		
Select 6 credits from the following:		6
MUP 601	Repertoire Class	
MUP 629	Advanced Choral Conducting *	
MUP 653	Performance Studies (Secondary)	
MUP 686	Advanced Instrumental Conducting	
<b>Literature (3 credits)</b>		
Select one course (3 credits) from the following:		3
MUP 622	Seminar in Choral Literature	
MUP 636	Band Literature	
MUS 655	The Symphonic Tradition	
MUS 686	Music of the Twentieth Century	
<b>Ensemble (2 credits)</b>		
ENS 682	University Chorale **	2
or ENS 688	Chamber Singers	
<b>Recital (1 credit)</b>		
MUP 600	Recital	1
<b>Total Credit Hours</b>		<b>12</b>

\* May be repeated once for credit.

\*\* Select one ensemble each semester.

**Ethnomusicology, Post-Baccalaureate Certificate**

The Post-Baccalaureate Certificate in Ethnomusicology requires 15 credit hours and provides students with global breadth and awareness of multiple music traditions, as well as theoretical principles and practical applications of ethnomusicology.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School:

- A statement of intent outlining background in ethnomusicology and particular goals and interests.
- A writing sample showing significant engagement with music and culture.
- An interview with participating faculty.

**Certificate Program Requirements**

**Required:** 15 credit hours

Course options will be decided in consultation with the student's advisor.

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
MUS 689	Practicum in Teaching Music Theory and Musicology	1
MUS 706	Seminar in Musicology and Ethnomusicology <sup>1</sup>	3
Select two courses (6 credits) from the following:		
MUE 627	Issues in Multicultural Music Education	
MUS 631	Selected Topics in Ethnomusicology	
MUS 706	Seminar in Musicology and Ethnomusicology	
Select two courses (2 credits) from the following: <sup>2</sup>		
ENS 671	Steelpan Ensemble	
ENS 677	Old Time Ensemble	
ENS 678	Indian Music	
ENS 679	Middle Eastern Ensemble	
<b>Elective (3 credits)</b>		
Select one elective course (3 credits) at the 500 or 600 level in Social Science/Humanities <sup>3</sup>		3
<b>Total Credit Hours</b>		<b>15</b>

<sup>1</sup> When the topic is Theory and Methods in Musicology, offered once every three semesters.

<sup>2</sup> Or another ensemble with permission of advisor.

<sup>3</sup> Chosen in consultation with advisor.

**Historical Keyboard Performance, Post-Baccalaureate Certificate**

The Post-Baccalaureate Certificate in Historical Keyboard Performance provides students guidance in playing 16<sup>th</sup>- through 19<sup>th</sup>-century repertoire on instruments contemporaneous with the music, supported by course work in literature and performance practice.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School:

An earned bachelor's degree in Music is a prerequisite.

Students applying only for this P.B.C. will audition for the keyboard faculty, adapting the audition requirements of the M.M. in Early Keyboard Instruments in consultation with the Coordinator of the Keyboard Area.

Such non-degree students must also submit all application materials required by the School of Music and the Graduate School, excluding GRE scores, by the appropriate deadline for Fall, Spring, or Summer admission.

Admitted D.M.A. students in keyboard performance may contact the Coordinator of the Keyboard Area for permission to enroll in this P.B.C. without undergoing any additional auditions.

## Certificate Program Requirements

**Required:** 12 credit hours (must be taken at UNC Greensboro)

Code	Title	Credit Hours
MUP 600	Recital	0
MUP 613	Piano Literature I	3
MUP 620	Seminar in Piano *	3
MUP 653	Performance Studies (Secondary) **	6
<b>Total Credit Hours</b>		<b>12</b>

\* Topic must be relevant to historical keyboard studies, such as: *The 18th-Century Piano, The Mozart Piano Concertos, Haydn's Keyboard Music, The Pianist's Bach, Performance Practice on Historical Keyboard Instruments, Beethoven's Late Piano Music, Chopin and the Pleyel, Iberian keyboard music of the Renaissance and Baroque, The Keyboard Prelude and Fugue in 16th-and 18th-century Germany.*

\*\* In harpsichord, fortepiano, and/or organ. Registration may be for 1 or 2 credits per semester.

## Exit Requirements

The student will perform a 30-minute recital of solo repertoire on an historical keyboard instrument or instruments. Degree-seeking students may, with the approval of the studio teacher, use the fulfillment of this requirement to satisfy a portion of their degree's performance requirements.

## Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: <https://vpa.uncg.edu/music/music-current-students/graduate/>.

## Jazz Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Jazz Studies provides students and/or professionals with knowledge and skills needed to apply principles of jazz to a variety of musical careers.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School:

- An earned bachelor's degree in Music; in exceptional cases, a student with an undergraduate degree outside of music may be considered.
- For current degree-seeking students, at least one letter of recommendation must be from a Jazz faculty member at UNC Greensboro.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
Select 12 credits from the following:		12
MUP 605	Principles of Jazz Theory	
MUP 609	Jazz Pedagogy	
MUP 623	Jazz Arranging I	
MUP 624	Jazz Arranging II	
MUP 653	Performance Studies (Secondary) <sup>1</sup>	
MUP 663	History of Jazz	
MUP 664	Jazz Improvisation I	
MUP 665	Advanced Jazz Improvisation	
ENS 648	Chamber Music <sup>3</sup>	
ENS 695	Jazz Ensemble I <sup>3</sup>	
ENS 696	Jazz Ensemble II <sup>3</sup>	
<b>Total Credit Hours</b>		<b>12</b>

<sup>1</sup> Must be taken at UNC Greensboro, at least 6 credits at the 600-level; the coordinator of the Miles Davis Program in Jazz will advise the student in course selection.

<sup>2</sup> May be repeated for 3 additional credits.

<sup>3</sup> May be repeated up to three times.

Although not required, students are encouraged to audition for one of the jazz ensembles or jazz combos.

## Exit Requirements

Completion of all course work with a grade of B or better is required. Degree-seeking students must include a member of the jazz faculty on their doctoral advisory committee or master's comprehensive exam committee. Testing conditions will follow those outlined in the Handbook for Graduate Study in Music for the student's degree program.

## Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: [vpa.uncg.edu/music/music-current-students/graduate/](https://vpa.uncg.edu/music/music-current-students/graduate/) (<https://vpa.uncg.edu/music/music-current-students/graduate/>).

## Music Composition, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Composition provides students with knowledge and skills needed to pursue music composition within a variety of musical careers.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School:

- For current degree-seeking students, at least one letter of recommendation must be from a Composition faculty member at UNC Greensboro.

- The application will also contain a portfolio of scores and recordings of original compositions (normally consisting of 3-5 works).
- An earned bachelor's degree in Music; in exceptional cases, a student with an undergraduate degree outside of music may be considered.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits) *</b>		
<i>Composition (4-8 credits)</i>		
Select 4-8 credits from the following:		4-8
MUP 651	Performance Studies **	
MUP 653	Performance Studies (Secondary) **	
<i>Recital (0-1 credit)</i>		
MUP 600	Recital	0-1
<b>Courses in Creativity (3-9 credits)</b>		
Select 1-3 courses (3-9 credits) from the following:		3-9
MUP 623	Jazz Arranging I	
MUP 624	Jazz Arranging II	
MUP 644	Digital Music Composition I	
MUP 645	Digital Music Composition II	
MUP 655	Orchestration	
MUS 639	Tonal Counterpoint	
<b>Music Technology Elective (0 or 3 credits)</b>		
Select 0-1 course (0 or 3 credits) from the following:		0 or 3
MUP 646	Audiovisual Demos For Musicians	
MUP 721	Music Technology in Performance	
MUP 747	Audio Recording I	
<b>Total Credit Hours</b>		<b>12</b>

\* Must be taken at UNC Greensboro, at least 6 credits at the 600 or 700 level; the coordinator of the Composition area will advise the certificate student in course selection.

\*\* Applied composition lessons. May be repeated. Maximum 3 credits per term for MUP 651 and maximum 2 credits per term for MUP 653.

## Exit Requirements

Each certificate student must present a 30-minute recital (MUP 600 Recital) of their original compositions. Degree-seeking students must include a member of the composition faculty on their doctoral advisory committee or master's comprehensive exam committee. Testing conditions will follow those outlined in the Handbook for Graduate Study in Music for the student's degree program. Students will be afforded two opportunities to pass the recital requirement.

## Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: [vpa.uncg.edu/music/music-current-students/graduate/](http://vpa.uncg.edu/music/music-current-students/graduate/) (<https://vpa.uncg.edu/music/music-current-students/graduate/>)

## Music Education, Post-Baccalaureate Certificate

Any person with an undergraduate degree in music may apply for a Post-Baccalaureate Certificate in Music Education. The purpose is to provide post-baccalaureate students and/or professionals with knowledge and skills needed to apply principles of music education to a variety of music careers.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Students admitted to the M.M. or D.M.A. degree programs, excluding Music Education, may elect this program in their formal plan of study.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Research and Assessment in Music (6 credits)</b>		
MUE 601	Research Methods in Music	3
MUE 605	The Measurement of Musical Behavior	3
<b>Foundations of Music Teaching and Learning (3 credits)</b>		
Select one course (3 credits) from the following:		3
MUE 618	Psychology of Music	
MUE 634	Contemporary Trends in Music Education	
MUE 650	Seminar in Music Education	
MUE 653	Music Supervision	
MUE 659	Philosophy of Music	
<b>Music Education Methods and Approaches (3 credits)</b>		
Select one course (3 credits) from the following:		3
MUE 627	Issues in Multicultural Music Education	
MUE 632	Methods and Materials of Music Reading Instruction	
MUE 633	Music for Exceptional Children	
MUE 645	Teaching Elementary Music: Theory and Practice	
MUE 656	Advanced Choral and General Music Methods for the Adolescent	
MUE 657	Advanced Music Teaching Techniques	
<b>Total Credit Hours</b>		<b>12</b>

**Exit Requirements**

To acquire the Post-Baccalaureate Certificate in Music Education, all students must complete the course work, as specified, with a grade of B or better to demonstrate that they have sufficient depth and breadth of music education.

## Music Performance Study, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Performance Studies provides students and/or professional musicians with the knowledge and skill needed to pursue musical performance in a variety of musical careers.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

An in-person performance audition with School of Music faculty committee is required.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (11 credits)</b>		
MUP 651	Performance Studies	8
Select one course (3 credits) from the following:		3
ENS 600-level course in large or chamber ensemble *		
MUS 500- or 600-level course in Musicology, Ethnomusicology, or Music Theory		
MUP non-performance study 600-level course		
MUP secondary performance study 600-level course **		
<b>Performance Recital (1 credit)</b>		
MUP 600	Recital	1
<b>Total Credit Hours</b>		<b>12</b>

\* Could include three separate ensemble credits.

\*\* Could include instrumental study in a complementary area such as study in multiple woodwinds, historical keyboard, and others.

## Music Technology, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Technology provides students the opportunity to demonstrate competency in music technology. This P.B.C. may benefit students' own creative work and expand their career options upon completion. Students currently enrolled in the M.M., D.M.A., and Ph.D. programs can enhance their programs by demonstrating competence in music technology. Also, the P.B.C. can be an option for non-degree seeking students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

An earned bachelor's degree in Music; in exceptional cases, a student with an undergraduate degree outside of music may be considered.

## Certificate Program Requirements

**Required:** 12-13 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
Select 12 credits from the following: *		12
MUP 644	Digital Music Composition I	
MUP 645	Digital Music Composition II	
MUP 646	Audiovisual Demos For Musicians	
MUP 649	Audio Recording I	
MUP 653	Performance Studies (Secondary) **	
MUP 721	Music Technology in Performance	

### Required Recital (0-1 credit)

MUP 600	Recital	0-1
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### Total Credit Hours

12-13

\* Must be taken at UNC Greensboro.

\*\* Applied composition lessons, focused on music technology projects. May be repeated one time. A maximum of 4 credits may be counted toward the certificate.

## Exit Requirements

The required recital may be 0-1 credits, and can take many forms: a half recital in Composition or Performance, or providing technical support for another student's recital, for example. Completion of all course work with a grade of B or better is required. Degree-seeking students must include a faculty member with expertise in music technology on their doctoral advisory committee or master's comprehensive exam committee. Testing conditions will follow those outlined in the handbook for graduate study in music for the student's degree program.

## Graduate Music Handbook

Additional policies and regulations are found in the Graduate Music Handbook located at: [vpa.uncg.edu/music/music-current-students/graduate/](https://vpa.uncg.edu/music/music-current-students/graduate/) (<https://vpa.uncg.edu/music/music-current-students/graduate/>).

## Music Theory, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Music Theory provides students and/or professionals with knowledge and skills needed to apply principles of music theory to a variety of musical careers.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must:

- Provide a statement of intent that outlines their background and interest in music theory and their goals.
- Interview with participating faculty.
- Earn a passing score on the Graduate Theory Diagnostic Exam.

An earned bachelor's degree in Music. Students admitted to the M.M., D.M.A., or Ph.D. in Music may elect this program in their formal plan of study.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Select four courses (12 credits) from the following:</b>		
MUS 639	Tonal Counterpoint	
MUS 644	Pedagogy of Music Theory	
MUS 660	Rhythm and Meter	
MUS 662	Schenkerian Analysis	
MUS 664	Theory and Analysis of Western European Post-Tonal Music and Related Traditions	

MUS 690	Current and Historical Trends in Music Theory	
MUS 692	Advanced Analysis of Western European Tonal Music and Related Traditions	
MUS 707	Seminar in Musical Analysis *	

Total Credit Hours 12

\* MUS 707 may be taken twice with different topics to fulfill 6 credits of certificate requirements.

## Musicology, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Musicology provides students with the opportunity to study music history in greater depth in a structured program, preparing M.M. and D.M.A. students to teach courses requiring music history knowledge, and thus enhancing their marketable skills. It also prepares other graduates of B.A. or B.M. programs for further graduate study in musicology and enhances the employability of students with an interest in public sector fields and arts administration.

The objectives of the Post-Baccalaureate Certificate in Musicology are to:

- Increase cultural awareness and understanding of the Western art music tradition in relation to non-European musical traditions.
- Develop practical skills for teaching music history in the classroom.
- Develop research and writing skills in the field of music history.

The program is open to students with a B.A., B.M., or other undergraduate four-year degrees who meet admission requirements. Additionally, it is open to UNC Greensboro students enrolled in M.M., D.M.A. and Ph.D. programs in the School of Music.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School:

- Provide a statement of intent that outlines the candidate's background, interests, and goals in musicology.
- Provide a writing sample that demonstrates intellectual engagement with music.
- Interview with participating faculty.
- Pass the music history diagnostic exam required of all incoming degree-seeking music graduate students.

Students in the Musicology certificate program will work with an advisor in the Musicology area who will help the student design an integrated program specific to his or her needs and interests.

## Certificate Program Requirements

**Required:** 13 credit hours taken at UNC Greensboro

Code	Title	Credit Hours
<b>Required Courses (13 credits)</b>		
MUS 689	Practicum in Teaching Music Theory and Musicology	1
MUS 706	Seminar in Musicology and Ethnomusicology *	6

Select 6 credits of additional Musicology/Enthnomusicology courses at the 600 or 700 level **	6
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<b>Total Credit Hours</b>	13
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\* May be repeated with a different topic for a total of 6 credits.

\*\* In consultation with the student's musicology advisor, and as appropriate for the student's plan of study, the student may substitute one relevant course outside of the area. Relevant courses could include MUE 601 Research Methods in Music or MUS 602 Seminar in Music Research and Writing, a language, a period or non-Western ensemble, or a 500/600 level course in such fields as History, Women's and Gender Studies, African American Studies, Music Theory, or others.

## Exit Requirements

Students must maintain a minimum 3.0 GPA in courses counting for credit towards the certificate.

## Music Theory Pedagogy, Post-Master's Certificate

The Post-Master's Certificate in Music Theory Pedagogy provides Ph.D. or D.M.A. music students with the knowledge and skills necessary to be successful teaching music theory and ear training in higher education.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must:

- Be enrolled in a doctoral degree program in music.
- Earn a passing score on the Graduate Theory Diagnostic Exam.
- Provide a statement of intent that outlines their background and interest in music theory and their goals.
- Interview with participating faculty. The interview involves an assessment of skills required for the teaching of music theory and ear training. Contact the Director of Graduate Study in Music for more information.

## Certificate Program Requirements

**Required:** 14 credit hours

Code	Title	Credit Hours
<b>Required Courses (14 credits)</b>		
MUS 744	Pedagogy of Music Theory	3
MUS 762	Schenkerian Analysis	3
MUS 789	Practicum in Teaching Music Theory and Musicology *	2
Select two courses (6 credits) from the following:		
MUS 707	Seminar in Musical Analysis **	
MUS 760	Rhythm and Meter	
MUS 764	Theory and Analysis of Western European Post-Tonal Music and Related Traditions	
MUS 790	Current and Historical Trends in Music Theory	
<b>Total Credit Hours</b>		14

\* Two semesters of MUS 789 are required for a total of 2 credits.

**\*\* MUS 707 may be taken twice with different topics to fulfill 6 credits of certificate requirements.**

# School of Theatre

*College of Visual and Performing Arts*

117 Moore Building  
336-334-5576  
<http://vpa.uncg.edu/theatre> (<http://vpa.uncg.edu/theatre/>)

**Natalie Sowell**, *Director of the School of Theatre*  
**Mya Brown and Tara Webb**, *Undergraduate Studies Co-Directors*  
**Deb Bell**, *Graduate Program Director*

## Mission

The UNC Greensboro School of Theatre's mission is to prepare students to be informed theatre practitioners with commitment to creativity, innovation, inclusion, and the advancement of the art form. Our rigorous B.A., B.F.A., and M.F.A. programs educate and train exemplary interdisciplinary theatre makers with the knowledge, skills, and vision to work professionally in the performing arts and beyond.

## Undergraduate Study

The School of Theatre offers a full range of liberal arts and professional degree programs that prepare undergraduate students for a variety of career opportunities in theatre and beyond. The School offers the following undergraduate degree programs:

- B.A. in Drama (liberal arts)
- B.F.A. in Drama, with concentrations in
  - Acting
  - Design and Technical Production
  - Musical Theatre
  - Theatre Education (Teacher Licensure)

The degrees, which are accredited by the National Association of Schools of Theatre, provide students with a vital mix of course work that combines theory and practice and allows for the development of discipline specific and interdisciplinary skills and talents.

The School also offers three minors in Drama, Technical Theatre, and Theatre Management. Each minor requires completion of 18 credit hours of courses. The minors are broadly designed and include a variety of course selections and should be of interest to students with general interests in these areas who are majoring in complementary fields such as Media Studies, Communication Studies, Consumer, Apparel, and Retail Studies, English, Music, Art, and Dance.

The School's rich and varied curriculum is matched by an extensive co-curricular program that includes opportunities to participate in productions at UNCG Theatre, North Carolina Theatre for Young People, and Workshop Theatre (required of B.F.A. Acting Concentration and B.F.A. Musical Theatre Concentration students). Participation in school-sponsored plays and musicals is open to majors (and non-majors alike).

The School encourages students to pursue internship opportunities, particularly in the summer months. Students are also encouraged to investigate study abroad programs offered by the university.

The School utilizes office, classroom, laboratory, studio, and performance space in the Taylor (under renovation), Brown, Moore, UNCG Auditorium, Ferguson, and Curry buildings on campus. Buildings at 326 and 328 Tate Street house additional labs, studios, and costume shop. Adjacent to campus is the scene shop located at 812 Lilly Street. The school's faculty

is composed of talented artists and scholars with excellent reputations as teachers. Students are encouraged to collaborate with faculty on creative and research projects during their course of study.

Admission to the School's degree programs is competitive. The requirements stated below are minimum requirements, and marginal compliance with them does not automatically imply admission.

## Graduate Study

The School of Theatre offers one graduate degree: the M.F.A. in Drama (with concentrations in Acting, Design, Music Direction for Musical Theatre, and Theatre for Youth). The M.F.A. is a terminal master's degree designed to develop individual artistry and provide advanced, specialized training in acting, design, music direction for musical theatre, and theatre for youth. The M.F.A. is accredited by the National Association of Schools of Theatre.

The School offers a rich and varied curriculum that combines theory and practice and demands the development of skills and talents. Curricular offerings are matched by an extensive co-curricular program that includes opportunities to participate in the School's theatre production program, which includes UNC Greensboro Theatre, N.C. Theatre for Young People, and Workshop Theatre.

Office, classroom, laboratory, studio, and performance space is used in Taylor (under renovation), Moore, UNCG Auditorium, Brown, Ferguson, Curry, 812 Lilly, 326 Tate, and 328 Tate. The faculty of talented artists and scholars have excellent national reputations and are deeply committed to teaching and learning. Graduate students are expected to work closely with faculty on creative and research projects during their course of study.

Non-degree students are restricted from taking any 500-level course without the permission of the Director of the School of Theatre and course instructor. Only students officially admitted to the M.F.A. program can register for 600-level courses.

### Professor

Janet Malia Allard<sup>G</sup>  
 Rachel Briley<sup>G</sup>  
 John M. Gulley<sup>G</sup>  
 Randall J. McMullen<sup>G</sup>  
 James M. Wren<sup>G</sup>

### Associate Professor

Michael Flannery<sup>G</sup>  
 John R Poole<sup>G</sup>  
 Natalie D. Sowell<sup>G</sup>  
 Ken White<sup>G</sup>

### Assistant Professor

Roberto Antonio Arce Martinez<sup>G</sup>  
 Natalie S Blackman  
 Mya Shenell Brown<sup>G</sup>  
 Clare Clare Parker

### Visiting Assistant Professor

Jenni Propst

### Lecturer

Amy B. Da Luz  
 Julie Cathryn DeVore  
 Jehann Laurel Gilman<sup>G</sup>  
 Chip Haas

Sarah Hankins  
 April Lynn Hill  
 Hugh Hysell  
 Joshua T. Purvis<sup>G</sup>  
 Joshua S Ritter<sup>G</sup>  
 Meris Robinson  
 Amy Caitlin Shope  
 Aaron Sparks  
 Michael J Tourek  
 Abigail Louise Van Patter  
 Tara N. Webb<sup>G</sup>

G Graduate-level faculty

- Drama, B.A. (p. 546)
- Drama, B.F.A. (p. 547)
- Drama Undergraduate Minor (p. 552)
- Technical Theatre Undergraduate Minor (p. 552)
- Theatre Management Undergraduate Minor (p. 552)
- Drama, M.F.A. (p. 553)

## Drama, B.A.

The interdisciplinary nature of the B.A. in Drama provides students with innovative tools that use the arts as a medium for social justice, encourage collaborative change, and grow community empowerment through creative work. Students are encouraged to develop connected understandings in other disciplines and fields as they practice for future leadership positions. Students can enroll in courses focused on performance, design, technical production, theatre management, theatre for young audiences, theatre studies and more. The strong foundation in the study of drama alongside minors, second majors, or study abroad, helps prepare students for graduate programs or professional employment and supports an entrepreneurial spirit of creative social engagement.

## Overall Requirements

- 120 credit hours, to include 55 credits in the major, and at least 36 credits at or above the 300 course level.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Theatre Studies</b>		
THR 201	Playscript Analysis	18
THR 231	Acting I	
THR 240	Elements of Design for the Stage	
THR 400	Theatre History I	
THR 401	Theatre History II	
THR 410	Directing I	

### Stagecrafts

Complete two of the following courses and their corresponding lab:

THR 140 & 140L	Stagecrafts: Scenery and Stagecrafts: Scenery Lab
THR 145 & 145L	Stagecrafts: Costume and Stagecrafts: Costume Lab
THR 146 & 146L	Stagecraft: Lighting & Sound and Stagecrafts: Lighting & Sound Lab
THR 147 & 147L	Stagecrafts: Makeup & Wardrobe and Stagecrafts: Makeup & Wardrobe Lab

### Advanced Theatre Practice\*

4

THR 493	Advanced Theatre Practice - Theatre Management
<i>Select 3 credits from the following:</i>	
THR 490	Advanced Theatre Practice-Performance
THR 491	Advanced Theatre Practice-Scenery
THR 492	Advanced Theatre Practice-Costumes
THR 493	Advanced Theatre Practice - Theatre Management
THR 494	Advanced Theatre Practice-Production
THR 496	Advanced Theatre Practice-Running Crew

### Additional Theatre History Elective

3

*Select 3 credits from the following:*

THR 305	Broadway: Development of the American Musical
THR 405	American Theatre History
THR 406	Global Performance and Theatre
THR 407	Feminist Theatre
THR 409	Topics in Theatre for Social Change

### Electives

24

*Select 24 credits from the following list OR any 300- or 400-level THR course:*

THR 120	Your Voice Matters: Voice for Actors, Activists, Leaders, and other Professional Speakers
THR 232	Acting II
THR 242	Technical Production: Scenery
THR 244	Technical Production: Costumes
THR 245	Theatre Graphics
THR 246	Technical Production: Sound and Lighting
THR 260	Advanced Makeup
THR 262	Introduction to Wig & Hairstyling
THR 291	Experiential Theatre Project
AAD 202	Arts Admin and Entrepreneurship
AAD 301	Arts Management
AAD 320	Arts Marketing
AAD 360	Introduction to Community Arts
VPA 323	
VPA 324	The Arts as Social Change: Theory and Practice

\* Note: Junior and senior transfer students must complete a minimum of 2 credits in this requirement.

\*\* Advanced Theatre Practice courses may be repeated for credit with the exception of THR 490.

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

## College of Visual and Performing Arts Minor Requirement

Students pursuing a B.A. degree in the College of Visual and Performing Arts must also complete all requirements in a minor area of study that is different from their declared major field. Students may select minors in or outside the College of Visual and Performing Arts, and students are encouraged to seek advice from CVPA advisors when making this choice. Any B.A. student who is pursuing a double major is exempt from this requirement. See the Minor Requirement topic on the College of Visual and Performing Arts page for more information.

### Disciplinary Honors in Theatre

#### Requirements

- A minimum of 12 credit hours as outlined below.
- A grade of at least B in all course work used to satisfy the Honors requirements for Theatre
- A declared Theatre Major
- At least a 3.30 overall GPA at graduation

Code	Title	Credit Hours
<b>Select 9 credits from the following:</b> *		
<i>400-level THR course</i>		
<i>Contract course</i>		
<i>Independent study</i>		
THR 232	Acting II	
THR 483	Honors Work **	
<b>Select 3 credits of the following</b> <sup>1</sup>		
HSS 490	Senior Honors Project	3
THR 483	Honors Work	
THR 498	Capstone Production Practicum	

\* University Honors courses may be substituted for up to 6 credits of the 9 credits required. These courses offer a wide range of subjects and can often serve as GEC courses for the Theatre Major.

\*\* Course qualifies if taken toward completion of HSS 490.

<sup>1</sup> The B.A. Capstone Experience, building on earlier courses, and/or University Studies Abroad to create a capstone experience, can serve as credit or substitute for these course. Students present their topics to their B.A. Faculty Review Committees for approval at least one semester before completing the capstone project. Upon completing the project, students summarize and analyze their project with the Faculty Review Committee. See advisor for possible capstone project examples.

#### 400-level THR course

Any 400-level THR course completing graduate work with graduate students. Instructor must be notified at the beginning of course.

#### Contract Course

Any THR course negotiated as a Contract Course between the Honors Candidate and the instructor meeting Honors council guidelines for Contract Courses. See advisor for application forms and deadlines for submission.

#### Independent Study

Taken under the guidance of a faculty member, perhaps taken in preparation for the Capstone Experience/Project. See advisor for approval.

#### Recognition

The designation "Completed Disciplinary Honors in Theatre" and the title of the Senior Honors Project will be printed on the student's official transcript.

#### Honors Advisor

See Deborah Bell and undergraduate curriculum advisor for further information and guidance about Honors in Theatre.

## Drama, B.F.A.

### About the B.F.A. Drama (DRAM) Major

The B.F.A. Drama Major emphasizes that theatre is a discipline involving aptitude, study, and practice. Students' development through classroom study combined with practical application in the production program is required to continue in the major. Students are formally reviewed for continuance in the B.F.A. programs each year.

Students pursuing the B.F.A. in Drama select from four concentrations:

- Acting
- Design and Technical Production
- Musical Theatre
- Theatre Education (with teacher licensure)

### Admission to the B.F.A. in Drama Major

Students pursuing the B.F.A. in Drama select from four concentrations:

- Acting
- Design and Technical Production
- Musical Theatre
- Theatre Education (with teacher licensure)

### Admission to Acting Concentration

Students in the B.F.A. Acting concentration audition prior to admittance, and, if accepted, enter the B.F.A. in Acting as freshmen. Transfer students may elect to audition as part of the transfer process (prior to matriculation) and if accepted will enter UNC Greensboro as part of the freshmen B.F.A. in Acting class. The B.F.A. in Acting requires a residency at UNC Greensboro of no fewer than seven semesters.

### Admission to Design and Technical Production Concentration

Provisional admission is granted to the B.F.A. in Design and Technical Production concentration during the fall semester. At the end of the fall semester, students are interviewed for admission to the programs. Students should consult their faculty advisors for detailed interview requirements. Admission to the program is very competitive.

### Admission to Musical Theatre Concentration

Students in the B.F.A. Musical Theatre concentration audition prior to admittance, and, if accepted, enter the B.F.A. in Musical Theatre as freshmen. Transfer students may elect to audition as part of the transfer process (prior to matriculation) and if accepted will enter UNC Greensboro as part of the freshmen B.F.A. in Musical Theatre class. The B.F.A. in Musical Theatre requires a residency at UNC Greensboro of no fewer than seven semesters.

## Admission to Theatre Education Concentration

Provisional admission is granted to students in the Theater Education concentration during the first three semesters. After receiving passing scores on the Praxis I, and achieving a 3.0 GPA, students apply for admission to Teacher Education in the second semester of the sophomore year. A faculty interview is required for admission.

Transfer students should note that the program is concerned with the maturation and sequential training of the young artist/educator. Thus, enrollment for six semesters (three years) is required, even when students begin study in their junior year. Students planning to transfer to UNC Greensboro to pursue a B.F.A. in Theatre Education are cautioned to take courses that meet General Education Core (GEC) requirements instead of taking courses in the major.

## Continuance in the B.F.A. Drama Major

**Performance Practicums:** As part of developing appropriate professional understanding, B.F.A. in Musical Theatre and Acting students are required to audition for the production season every semester and accept whatever role they are offered, beginning with the Spring semester of their Freshman year. In circumstances of extreme need, a BFA Musical Theatre or Acting student may petition to be excluded from the casting pool for a semester. Please note that this petition must be received and approved by performance faculty before the casting process begins.

**Non-Performance Practicums:** Before graduation, all B.F.A Musical Theatre and Acting students will complete two 140-level tech Practicums in the shops or on a production run crew and complete an additional 490-level non-performance Practicum assignment

B.F.A. Design and Technical Production students must complete one production assignment during the second semester in the freshman year and at least six more assignments during the sophomore, junior, and senior years. B.F.A. transfer students in Design and Technical Production are required to complete one production assignment each semester in the program.

B.F.A. in Theatre Education students must maintain a 3.0 minimum GPA, maintain active professional liability insurance, complete 100 hours of pre-approved field experience in K-12 schools prior to student teaching, audition at least once every year, complete a minimum of two stage management assignments, and complete an annual faculty review.

## Production Assignments

Credit is earned for these production assignments as noted in the outline of requirements within programs.

Code	Title	Credit Hours
THR 191	Theatre Practice - Scenery	
THR 192	Theatre Practice - Costumes	
THR 194	Apprentice Production Practicum	
THR 294	Intern Production Practicum	
THR 394	Journeyman Production Practicum	
THR 490	Advanced Theatre Practice-Performance	
THR 491	Advanced Theatre Practice-Scenery	
THR 492	Advanced Theatre Practice-Costumes	
THR 493	Advanced Theatre Practice - Theatre Management	

THR 494	Advanced Theatre Practice-Production
THR 495	Advanced Theatre Practice-Lighting

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Acting
- Design and Technical Production
- Musical Theatre
- Theatre Education with K-12 Teaching Licensure

## Electives

Additional electives sufficient to complete the 120 credit hours required for the degree.

## Acting Concentration Requirements

Code	Title	Credit Hours
<b>Acting Studies</b>		39
THR 201	Playscript Analysis	
THR 221	Dynamics in Acting: Movement I	
THR 222	Dynamics in Acting: Voice I	
THR 235	Acting Studio 1	
THR 236	Acting Studio 2	
THR 321	Dynamics in Acting: Movement II	
THR 322	Dynamics in Acting: Voice II	
THR 331	Acting Studio 3	
THR 332	Acting Studio 4	
THR 431	Acting Studio 5	
THR 432	Advanced Shakespeare Studio	
THR 436	Advanced Acting for the Camera Studio	
THR 439	Professional Theatre Audition Techniques	
<b>Technical Theatre Studies</b>		6
THR 147 & 147L	Stagecrafts: Makeup & Wardrobe and Stagecrafts: Makeup & Wardrobe Lab	
<i>Select one from the following:</i>		
THR 140 & 140L	Stagecrafts: Scenery and Stagecrafts: Scenery Lab	
THR 145 & 145L	Stagecrafts: Costume and Stagecrafts: Costume Lab	
THR 146 & 146L	Stagecraft: Lighting & Sound and Stagecrafts: Lighting & Sound Lab	

THR 400	Theatre History I		<i>Select two of the following:</i>
THR 401	Theatre History II		THR 351 Scene Design
<b>Other Theatre Studies</b>		<b>6</b>	THR 361 Costume Design
<i>Select at least two of the following courses:</i>			THR 370 Lighting Design
THR 380	Playwriting		<i>Select one of the following:</i>
THR 405	American Theatre History		THR 444 Computer Aided Drafting for the Theatre
THR 406	Global Performance and Theatre		THR 449 Costume Pattern Drafting and Draping
THR 407	Feminist Theatre		<i>Select two of the following:</i>
THR 409	Topics in Theatre for Social Change		THR 242 Technical Production: Scenery
THR 411	Directing II		THR 244 Technical Production: Costumes
THR 410	Directing I		THR 246 Technical Production: Sound and Lighting
THR 480	Playwriting II		<i>Select one of the following:</i>
<b>Additional Theatre Practice</b>		<b>4</b>	THR 403 Styles in Performance Design I
<i>Select 4 credits from the following:</i>			THR 404 Styles in Performance Design II
THR 490	Advanced Theatre Practice-Performance *		<i>Select one of the following:</i>
THR 491	Advanced Theatre Practice-Scenery		THR 450 Advanced Scene Design
THR 492	Advanced Theatre Practice-Costumes		THR 460 Advanced Costume Design
THR 493	Advanced Theatre Practice - Theatre Management		THR 470 Advanced Lighting Design
<b>Performance Electives</b>		<b>18</b>	<i>Select 10 credits from the following: *</i>
<i>Select 18 credits from the following:</i>			THR 194 Apprentice Production Practicum
MUP 125	Class Voice <sup>1</sup>		THR 294 Intern Production Practicum
THR 306	Musicianship for Musical Theatre I		THR 394 Journeyman Production Practicum
THR 309	Singing for the Actor <sup>1</sup>		<i>Select 15 credits from the following: **</i>
THR 349	Workshop in Musical Theatre		THR 260 Advanced Makeup
THR 417	Devised Theatre		THR 262 Introduction to Wig & Hairstyling
THR 421	Physical Violence for the Stage		THR 306 Musicianship for Musical Theatre I
THR 422	Stage Dialects		THR 340 Scenic Automation and Technology
THR 416	Puppetry		THR 345 Theatre Properties & Crafts
THR 432	Advanced Shakespeare Studio		THR 346 Costume Crafts
THR 490	Advanced Theatre Practice-Performance <sup>1</sup>		THR 363 Introduction to Wig Making
* May not be taken for more than 3 credits.			THR 375 Theatrical Sound Design and Technology
** Applicable as Performance Electives only if not taken in Additional Theatre Practice.			THR 386 Introduction to Stage Management
1 No more than 3 credits may be from this course.			THR 391 Variable Topics in Theatrical Design
<b>Design and Technical Production Concentration Requirements</b>			THR 392 Variable Topics in Technical Production
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>	THR 395 Special Problems
<b>Design and Technical Production Core</b>		<b>62</b>	THR 443 Advanced Scene Painting
THR 245	Theatre Graphics		THR 405 American Theatre History
THR 248	Portfolio Preparation for the Theatre		THR 406 Global Performance and Theatre
THR 498	Capstone Production Practicum		THR 407 Feminist Theatre
<i>Select three of the following sequences:</i>			THR 409 Topics in Theatre for Social Change
THR 140 & 140L	Stagecrafts: Scenery and Stagecrafts: Scenery Lab		THR 410 Directing I
THR 145 & 145L	Stagecrafts: Costume and Stagecrafts: Costume Lab		THR 440 Advanced Stagecrafts
THR 146 & 146L	Stagecraft: Lighting & Sound and Stagecrafts: Lighting & Sound Lab		THR 441 Technical Direction
THR 147 & 147L	Stagecrafts: Makeup & Wardrobe and Stagecrafts: Makeup & Wardrobe Lab		THR 442 Scene Painting I
			THR 445 Professional Practices in Design and Technical Production
			THR 446 Advanced CAD for the Theatre
			THR 448 Stage Millinery and Accessories
			THR 484 Theatre Management
			THR 486 Theatre Management and Entrepreneurship
			THR 489 Developing and Managing Educational Programs for Arts Organizations

THR 487	Theatre Field Studies		THR 418	Musical Theatre Voice VII	
<b>Performance Studies</b>		<b>3</b>	<b>Dance Studies</b>		<b>9</b>
THR 231	Acting I		DCE 114	Ballet I **	
<b>Other Theatre Studies</b>		<b>9</b>	or DCE 113	Introduction to Ballet	
THR 201	Playscript Analysis		or DCE 123	Ballet for Musical Theatre	
THR 400	Theatre History I		DCE 116	Jazz Dance I **	
THR 401	Theatre History II		or DCE 126	Jazz Dance for Musical Theatre	
<i>* May be repeated for credit up to six times each. NOTE: Junior and senior transfer students must complete 6 credits of this requirement.</i>					
<i>** The courses below are also eligible if not used to meet prior requirements.</i>					
• THR 242					
• THR 244					
• THR 246					
• THR 351					
• THR 361					
• THR 370					
• THR 450					
• THR 460					
• THR 470					
• THR 403					
• THR 404					

## Musical Theatre Concentration Requirements

Code	Title	Credit Hours			
<b>Acting Studies</b>		<b>18</b>			
THR 221	Dynamics in Acting: Movement I		THR 140 & 140L	Stagecrafts: Scenery and Stagecrafts: Scenery Lab	
THR 222	Dynamics in Acting: Voice I		THR 145 & 145L	Stagecrafts: Costume and Stagecrafts: Costume Lab	
THR 235	Acting Studio 1		THR 146 & 146L	Stagecraft: Lighting & Sound and Stagecrafts: Lighting & Sound Lab	
THR 236	Acting Studio 2		THR 147 & 147L	Stagecrafts: Makeup & Wardrobe and Stagecrafts: Makeup & Wardrobe Lab	
THR 331	Acting Studio 3				
THR 332	Acting Studio 4				
<b>Musical Theatre Studies</b>		<b>18</b>			
THR 107	Musical Theatre Lab *				
THR 108	Musical Theatre Studio I		THR 490	Advanced Theatre Practice-Performance	
THR 208	Musical Theatre Studio II		THR 491	Advanced Theatre Practice-Scenery	
THR 308	Musical Theatre Studio III		THR 492	Advanced Theatre Practice-Costumes	
THR 357	Musical Theatre Audition Technique		THR 493	Advanced Theatre Practice - Theatre Management	
THR 408	Musical Theatre Studio IV		THR 494	Advanced Theatre Practice-Production	
THR 467	BFA Performance Senior Seminar: Preparing to Showcase Your Talents Post Graduation				
<b>Musicianship Studies</b>		<b>6</b>			
THR 306	Musicianship for Musical Theatre I				
THR 316	Musicianship for Musical Theatre II				
<b>Vocal Studies</b>		<b>14</b>			
THR 118	Musical Theatre Voice I		THR 321	Dynamics in Acting: Movement II	
THR 119	Musical Theatre Voice II		THR 322	Dynamics in Acting: Voice II	
THR 218	Musical Theatre Voice III		THR 380	Playwriting	
THR 219	Musical Theatre Voice IV		THR 406	Global Performance and Theatre	
THR 318	Musical Theatre Voice V		THR 407	Feminist Theatre	
THR 319	Musical Theatre Voice VI		THR 410	Directing I	
			THR 411	Directing II	
			THR 419	Musical Theatre Voice VIII	
			THR 421	Physical Violence for the Stage	
			THR 422	Stage Dialects	
			THR 431	Acting Studio 5	
			THR 432	Advanced Shakespeare Studio	
			THR 436	Advanced Acting for the Camera Studio	

THR 490	Advanced Theatre Practice-Performance <sup>2</sup>
DCE 112	Contemporary Dance I
DCE 212	Contemporary Dance II

\* Repeated for 6 semesters during vocal studies.

\*\* Must be taken twice for credit.

1 With no more than 3 semesters of THR 490.

2 After THR 490 is used 3 times as a Theatre Practice course, it can be applied as an elective.

## Theatre Education, K-12 Teaching Licensure Concentration Requirements

- 128 credit hours\*, to include at least 36 credits at or above the 300 course level
- Minimum grade of C- in all THR courses.

Code	Title	Credit Hours
<b>Required</b>		
THR 120	Your Voice Matters: Voice for Actors, Activists, Leaders, and other Professional Speakers	71
THR 140 & 140L	Stagecrafts: Scenery and Stagecrafts: Scenery Lab	
THR 145 & 145L	Stagecrafts: Costume and Stagecrafts: Costume Lab	
THR 146 & 146L	Stagecraft: Lighting & Sound and Stagecrafts: Lighting & Sound Lab	
THR 147 & 147L	Stagecrafts: Makeup & Wardrobe and Stagecrafts: Makeup & Wardrobe Lab	
THR 201	Playscript Analysis	
THR 231	Acting I	
THR 232	Acting II	
THR 351	Scene Design	
THR 361	Costume Design	
THR 370	Lighting Design	
THR 380	Playwriting	
THR 386	Introduction to Stage Management	
THR 400	Theatre History I	
THR 401	Theatre History II	
THR 410	Directing I	
THR 415	Drama in Education	
THR 435	Performance Styles	
THR 482	Teaching Methods in Theatre Arts	
THR 485	Directing Practicum	
THR 486	Theatre Management and Entrepreneurship	
THR 494	Advanced Theatre Practice-Production	
<i>Three (3) courses selected from the advanced theatre courses listed below:</i>		
THR 402	Theatre History III	
THR 405	American Theatre History	
THR 406	Global Performance and Theatre	
THR 407	Feminist Theatre	
THR 480	Playwriting II	
THR 411	Directing II	
THR 416	Puppetry	

THR 417	Devised Theatre	12
<b>Field Experience</b>		
THR 497	Student Teaching in Theatre Arts **	12
<b>Professional Education Courses</b>		
ELC 401	Schooling in a Democratic Society	
ERM 405	Measurement and Assessment in Teaching	
LIS 120	Introduction to Instructional Technology for Educational Settings	
SES 401	Understanding and Teaching Students with Disabilities in Inclusive Settings	
TED 401	Child and Adolescent Development and Learning	
TED 402	Student Engagement in the Classroom	
TED 403	Teaching Multilingual Learners with Diverse Abilities	
TED 445	Human Diversity, Teaching, and Learning	

\* Degree concentration was granted a Regulation 400.1.5 exception in 2018, remaining at 128 total hours to maximize content preparation for teaching in the K-12 classroom.

\*\* Students are required to complete 100 hours of field experience in schools prior to beginning student teaching.

## Disciplinary Honors in Theatre Requirements

Code	Title	Credit Hours
<b>Select 9 credits from the following:</b>		
	400-level THR course	9
	Contract course	
	Independent study	
THR 232	Acting II	
THR 483	Honors Work **	
<b>Select 3 credits of the following:</b>		
HSS 490	Senior Honors Project	3
THR 483	Honors Work	
THR 498	Capstone Production Practicum	

\* University Honors courses may be substituted for up to 6 credits of the 9 credits required. These courses offer a wide range of subjects and can often serve as GEC courses for the Theatre Major.

\*\* Course qualifies if taken toward completion of HSS 490.

<sup>1</sup> The B.A. Capstone Experience, building on earlier courses, and/or University Studies Abroad to create a capstone experience, can serve as credit or substitute for these course. Students present their topics to their B.A. Faculty Review Committees for approval at least one semester before completing the capstone project. Upon completing the project, students summarize and analyze their project with the Faculty Review Committee. See advisor for possible capstone project examples.

**400-level THR course**

Any 400-level THR course completing graduate work with graduate students. Instructor must be notified at the beginning of course.

**Contract Course**

Any THR course negotiated as a Contract Course between the Honors Candidate and the instructor meeting Honors council guidelines for Contract Courses. See advisor for application forms and deadlines for submission.

**Independent Study**

Taken under the guidance of a faculty member, perhaps taken in preparation for the Capstone Experience/Project. See advisor for approval.

**Recognition**

The designation "Completed Disciplinary Honors in Theatre" and the title of the Senior Honors Project will be printed on the student's official transcript.

**Honors Advisor**

See Deborah Bell and undergraduate curriculum advisor for further information and guidance about Honors in Theatre.

**Drama Undergraduate Minor****Program Requirements**

- Minimum of 18 credit hours.
- Minimum of 12 hours at or above the 200 level.

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
THR 201	Playscript Analysis	
<i>Select at least 15 credits from the following:</i> *		
THR 120	Your Voice Matters: Voice for Actors, Activists, Leaders, and other Professional Speakers	
THR 140	Stagecrafts: Scenery	
THR 140L	Stagecrafts: Scenery Lab	
THR 145	Stagecrafts: Costume	
THR 145L	Stagecrafts: Costume Lab	
THR 231	Acting I	
THR 232	Acting II	
THR 305	Broadway: Development of the American Musical	
THR 380	Playwriting	
THR 320	Ensemble-based Physical Theatre	
THR 407	Feminist Theatre	
THR 400	Theatre History I	
THR 401	Theatre History II	
THR 405	American Theatre History	
THR 406	Global Performance and Theatre	
THR 409	Topics in Theatre for Social Change	
THR 410	Directing I	
THR 416	Puppetry	
THR 417	Devised Theatre	
THR 484	Theatre Management	
THR 490	Advanced Theatre Practice-Performance	

THR 491	Advanced Theatre Practice-Scenery
THR 492	Advanced Theatre Practice-Costumes

\* At least 9 credits should be selected at the 200 level or above.

**Technical Theatre Undergraduate Minor****Program Requirements**

- Minimum of 18 credit hours

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
THR 201	Playscript Analysis	
THR 140 & 140L	Stagecrafts: Scenery and Stagecrafts: Scenery Lab	
or THR 145 & 145L	Stagecrafts: Costume and Stagecrafts: Costume Lab	
<i>Select at least 12 credits from the following:</i>		
THR 140	Stagecrafts: Scenery *	
THR 140L	Stagecrafts: Scenery Lab *	
THR 145	Stagecrafts: Costume *	
THR 145L	Stagecrafts: Costume Lab *	
THR 146	Stagecraft: Lighting & Sound	
THR 146L	Stagecrafts: Lighting & Sound Lab	
THR 147	Stagecrafts: Makeup & Wardrobe	
THR 147L	Stagecrafts: Makeup & Wardrobe Lab	
THR 245	Theatre Graphics	
THR 260	Advanced Makeup	
THR 340	Scenic Automation and Technology	
THR 351	Scene Design	
THR 361	Costume Design	
THR 370	Lighting Design	
THR 375	Theatrical Sound Design and Technology	
THR 440	Advanced Stagecrafts	
THR 442	Scene Painting I	
THR 448	Stage Millinery and Accessories	
THR 449	Costume Pattern Drafting and Draping	
THR 491	Advanced Theatre Practice-Scenery	
THR 492	Advanced Theatre Practice-Costumes	
THR 494	Advanced Theatre Practice-Production	

\* Only if the course has not been taken in the "Required" section above

**Theatre Management Undergraduate Minor****Program Requirements**

- Minimum of 18 credit hours

## Required for all Theatre Management minors

Code	Title	Credit Hours
<b>Required</b>		
THR 486	Theatre Management and Entrepreneurship	9
THR 493	Advanced Theatre Practice - Theatre Management *	
ISM 110	Foundations for Analytics using Spreadsheets	

\* Taken 3 times for 1 credit hour each.

## Additional Requirements by Major Requirements for Drama majors

Code	Title	Credit Hours
<b>Required</b>		
AAD 202	Arts Admin and Entrepreneurship	9
AAD 320	Arts Marketing	
<i>Choose one course from the following:</i>		
AAD 321	Fundraising in the Arts	
AAD 360	Introduction to Community Arts	
ENG 103	Essentials of Professional and Business Writing	
PSC 311	The Nonprofit Sector and Governance	
THR 489	Developing and Managing Educational Programs for Arts Organizations	

## Requirements for Arts Administration majors

Code	Title	Credit Hours
<b>Required</b>		
THR 100	The Hero's Journey	9
<i>Choose two courses from the following:</i>		
AAD 321	Fundraising in the Arts	
AAD 360	Introduction to Community Arts	
ENG 103	Essentials of Professional and Business Writing	
PSC 311	The Nonprofit Sector and Governance	
THR 489	Developing and Managing Educational Programs for Arts Organizations	

## Requirements for all other majors

Code	Title	Credit Hours
<b>Required</b>		
THR 100	The Hero's Journey	9
<i>Choose two courses from the following:</i>		
AAD 202	Arts Admin and Entrepreneurship	
AAD 320	Arts Marketing	
AAD 321	Fundraising in the Arts	
AAD 360	Introduction to Community Arts	
ENG 103	Essentials of Professional and Business Writing	
PSC 311	The Nonprofit Sector and Governance	
THR 489	Developing and Managing Educational Programs for Arts Organizations	

## Drama, M.F.A.

The School of Theatre offers a Master of Fine Arts (M.F.A.) in Drama with concentrations in Acting, Design, Music Direction for Musical Theatre, and Theatre for Youth. The M.F.A. is a terminal master's degree designed to develop individual artistry and provide advanced, specialized training in acting, design, music direction, and theatre for youth. The M.F.A. is accredited by the National Association of Schools of Theatre.

The School of Theatre offers a rich and varied curriculum that combines theory and practice and demands the development of skills and talents. Curricular offerings are matched by an extensive co-curricular program that includes opportunities to participate in the School's extensive theatre production program, which includes UNC Greensboro Theatre, N.C. Theatre for Young People, and Workshop Theatre.

Office, classroom, laboratory, studio, and performance space is used in the Taylor (under renovation), Moore, UNC Greensboro Auditorium, Brown, Ferguson, Curry, and the 326 and 328 Tate Street buildings. The faculty of talented artists and scholars have excellent national reputations and are deeply committed to teaching and learning. Graduate students are expected to work closely with faculty on creative and research projects during their course of study.

Non-degree students are restricted from taking any 500-level course without the permission of the Director of the School of Theatre and the course instructor. Only students officially admitted to the M.F.A. program can register for 600-level courses.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a detailed resume of theatre experience and participate in an interview.

Acting concentration applicants are required to audition, Music Direction for Musical Theatre concentration applicants are required to audition and interview, and applicants to the Design and the Theatre for Youth concentrations must submit a portfolio. Please contact individual programs for specific program requirements.

Admission to the School's degree programs is very competitive. Marginal compliance with the requirements does not automatically imply admission.

Students entering the program normally have an undergraduate degree in Theatre with a strong background in the concentration they wish to pursue. Exceptions are occasionally made for students with significant professional or practical experience. For the Design concentration, an undergraduate degree in a related field may be acceptable. Students admitted without the appropriate undergraduate background will be expected to complete remedial work, in addition to normal degree requirements.

## Degree Program Requirements

**Required:** 60 credit hours

### Acting Concentration

The M.F.A. in Drama with an Acting Concentration is a 60 credit hour degree that may be completed in four semesters (two years) for students on assistantships. The Acting Concentration is dedicated to the development of the advanced actor for professional and academic

theatre. Students take classes in voice, movement, contemporary and period scene study, acting for the camera, audition techniques, and related coursework in academic and performance disciplines. The program consists of a core of acting courses and practicum experiences all students take and a series of electives the student selects in consultation with their advisor. Internships are required for students without experience in summer theatre or a professional equivalent.

Candidates for the degree are accepted every other year.

Code	Title	Credit Hours
<b>Major Studies (42 credits)</b>		
THR 532	Advanced Shakespeare Studio	3
THR 539	Professional Theatre Audition Techniques	3
THR 603	Acting Seminar	3
THR 614	Collaboration in Theatrical Production	3
THR 621	Advanced Dynamics: Movement <sup>1</sup>	6
THR 622	Advanced Dynamics: Voice <sup>1</sup>	6
THR 631	Studies in Acting	3
THR 632	Contemporary Acting II	3
THR 633	Period Acting II	3
THR 690	Graduate Practicum in Theatre <sup>2</sup>	6
THR 699	Master Production in Theatre	3
<b>Academic Studies (6 credits)</b>		
Select a minimum of two courses (6 credits) from the following:		6
THR 500	Theatre History I <sup>3</sup>	
THR 501	Theatre History II <sup>3</sup>	
THR 502	Theatre History III <sup>3</sup>	
THR 505	American Theatre History	
THR 506	Global Performance and Theatre	
THR 587	Theatre Field Studies	
THR 601	Drama Theory and Criticism	
THR 602	Seminar in Drama and Theatre History	
ENG 540	Shakespeare	
MST 528	Topics in Film Studies	
MUS 665	History of Opera	
<b>Supportive Studies (12 credits)</b>		
Select a minimum of four courses (12 credits) from the following:		12
THR 596	Applied Theatre II	
THR 610	Applied Play Directing	
THR 620	Stage Dialects	
THR 623	Advanced Physical Violence for the Stage	
THR 634	Acting for the Camera	
THR 695	Independent Study	
THR 696	Advanced Experimentation	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> Required if not in an undergraduate academic background. Three sections, 2 credits each.

<sup>2</sup> Three sections, 2 credits each.

<sup>3</sup> Required if not in an undergraduate academic background.

## Reviews

All candidates are reviewed each semester for continuance in the program. Reviews assess the candidate's artistic and academic development and success in meeting degree requirements.

## Design Concentration

The M.F.A. in Drama with a Design Concentration is a 60 credit hour degree that may be completed in four semesters (two years) for students on assistantships. The Design Concentration is dedicated to developing well-rounded theatre designers within a scenographic tradition. The program affords students the opportunity to develop and demonstrate competencies in the major design elements used in professional theatre production. Students take classes and execute realized productions in the areas of scenery, costume, and lighting design. They are trained as artists and artisans to work in the professional entertainment industry and higher education.

Candidates for the degree are accepted every year.

Code	Title	Credit Hours
<b>Major Studies (42 credits)</b>		
THR 503	Styles in Performance Design I	3
THR 504	Styles in Performance Design II	3
THR 614	Collaboration in Theatrical Production	3
THR 655	Scene Design Styles	3
THR 656	Scene Design Application	3
THR 665	Costume Design Styles	3
THR 666	Costume Design Application	3
THR 675	Lighting Design Styles	3
THR 676	Lighting Design Application	3
THR 699	Master Production in Theatre	3
Select a minimum of 12 credits in the following seminar courses: <sup>1</sup>		12
THR 651	Scene Design Seminar	
THR 660	Costume Design Seminar	
THR 671	Lighting Design Seminar	
<b>Academic Studies (6 credits)</b>		
Select a minimum of two courses (6 credits) from the following:		6
THR 500	Theatre History I <sup>2</sup>	
THR 501	Theatre History II <sup>2</sup>	
THR 502	Theatre History III <sup>2</sup>	
THR 505	American Theatre History	
THR 506	Global Performance and Theatre	
THR 587	Theatre Field Studies	
THR 601	Drama Theory and Criticism	
THR 602	Seminar in Drama and Theatre History	
ENG 540	Shakespeare	
MUS 665	History of Opera	
MST 520	History of Film to 1938	
MST 521	History of Film since 1938	
MST 528	Topics in Film Studies	
<b>Supportive Studies (12 credits)</b>		
Select a minimum of four courses (12 credits) from the following:		12
THR 540	Advanced Stagecrafts	
THR 541	Technical Direction	
THR 542	Scene Painting I	

THR 548	Stage Millinery and Accessories	
THR 549	Costume Pattern Drafting and Draping	
THR 648	Portfolio Preparation for the Theatre and Academia	
THR 695	Independent Study	
THR 651	Scene Design Seminar <sup>3</sup>	
THR 660	Costume Design Seminar <sup>3</sup>	
THR 671	Lighting Design Seminar <sup>3</sup>	
<b>Total Credit Hours</b>		<b>6</b>

THR 698	Graduate Internship <sup>4</sup>	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> Must take 2 credits of THR 690 each semester for a total of 12 credits.

<sup>2</sup> Must take 2 credits of MUP 653 a semester over four semesters for a total of 8 credits.

<sup>3</sup> Must take 3 credits of MUP 686 a semester over two semesters for a total of 6 credits.

<sup>4</sup> Must take 3 credits of THR 698 Graduate Internship for two semesters total.

## Theatre for Youth Concentration

The M.F.A. in Drama with a Theatre for Youth Concentration is a 60 credit hour degree completed in four semesters (two years). The program follows the guidelines established by the American Alliance for Theatre and Education and seeks to educate theatre artists to take leadership roles in the growing field of theatre for youth. Students will have classes in process drama, devised theatre, theatre for youth, puppetry, acting, and directing. Process drama and devised theatre courses involve community engagement with the application of theory in practice. There is also a heavy emphasis on directing; directing projects are required each semester.

### Reviews

All candidates are reviewed each semester for continuance in the program. Reviews assess the candidate's artistic and academic development and success in meeting degree requirements.

### Music Direction for Musical Theatre Concentration

Code	Title	Credit Hours
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#### Major Studies (36 credits)

THR 614	Collaboration in Theatrical Production	3
THR 618	Graduate Seminar in Music Direction	2
THR 619	Advanced Graduate Seminar in Music Direction	2
THR 690	Graduate Practicum in Theatre <sup>1</sup>	12
THR 699	Master Production in Theatre	3
MUP 653	Performance Studies (Secondary) <sup>2</sup>	8
MUP 686	Advanced Instrumental Conducting <sup>3</sup>	6

#### Academic Studies in Theatre and Music (18 credits)

THR 605	Broadway: Development of the American Musical	3
THR 608	Musical Theatre Literature and Repertoire	3
Select four courses (12 credits) from the following:		12

THR 500	Theatre History I	
THR 501	Theatre History II	
THR 502	Theatre History III	
THR 505	American Theatre History	
THR 506	Global Performance and Theatre	
THR 584	Theatre Management	
THR 602	Seminar in Drama and Theatre History	
MUP 626	Song Literature I	
MUP 634	Song Literature II	
MUS 631	Selected Topics in Ethnomusicology	
MUS 639	Tonal Counterpoint	
MUS 665	History of Opera	
MUS 644	Pedagogy of Music Theory	
MUS 660	Rhythm and Meter	
MUS 690	Current and Historical Trends in Music Theory	
MUS 706	Seminar in Musicology and Ethnomusicology	
MUS 707	Seminar in Musical Analysis	

#### Supervised Work Study (6 credits)

Code	Title	Credit Hours
<b>Major Studies (39 credits)</b>		
THR 515	Drama in Education	3
THR 516	Puppetry	3
THR 517	Devised Theatre	3
THR 610	Applied Play Directing	3
THR 611	Advanced Play Directing	3
THR 613	Directing Seminar	3
THR 614	Collaboration in Theatrical Production	3
THR 615	Advanced Drama in Education	3
THR 617	Trends in Theatre for Young Audiences	3
THR 624	Black and Indigenous People of Color Plays in Theatre for Youth	3
THR 690	Graduate Practicum in Theatre <sup>1</sup>	6
THR 699	Master Production in Theatre	3
<b>Academic Studies (12 credits)</b>		
THR 601	Drama Theory and Criticism	3
THR 609	Theatre for the Very Young	3
THR 680	The Art and Craft of Playwriting	3
Select one elective course (3 credits) from graduate-level courses in THR, WGS, or HDF <sup>2</sup>		3
<b>Supportive Studies (9 credits)</b>		
THR 631	Studies in Acting	3
THR 644	Developing and Managing Educational Programs for Arts Organizations	3
THR 695	Independent Study	3
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> Three sections, 2 credits each.

<sup>2</sup> Graduate-level courses in other subject may be selected with approval of the student's advisor.

### **Reviews**

All candidates are reviewed each semester for continuance in the program. Reviews assess the candidate's artistic and academic development and success in meeting degree requirements.

# JOSEPH M. BRYAN SCHOOL OF BUSINESS AND ECONOMICS

516 Stirling Street  
336-334-5338  
<http://bryan.uncg.edu>

**McRae C. Banks II**, *Dean of the School*

**William O. Brown**, *Associate Dean*

**Jaap-Jan van Duin**, *Assistant Dean*

The Bryan School is preparing you to be a new kind of leader, the exceptional problem solver that our organizations and businesses need. We want to make sure that as you expand your leadership ability, you take advantage of everything the Bryan School has developed to support and engage you too take you to the next level of success and impact.

## Mission Statement

In the Bryan School of Business and Economics, we create and disseminate knowledge about the theory and practice of business. In addition to our courses and research, we accomplish this through hands-on projects, global experiences, and outreach to the community. Our work produces principled leaders and exceptional problem solvers who have a global perspective, an innovative mindset, a broad understanding of sustainability, and a commitment to improve the organizations in which they work and the communities in which they live.

## Student Learning Goals

Each program within the Bryan school has separate learning goals as listed with the degree program. The essential components of a professional education in business (excluding the B.S. and B.A. in Economics and the B.S. in Consumer, Apparel, and Retail Studies.) include common courses for breadth and opportunities for advanced work for depth in the various business disciplines. These core business programs share the following common learning goals:

1. Students will implement the various steps of the critical thinking process, supported by the appropriate use of analytical and quantitative techniques, to formulate recommendations for subsequent decision making.
2. Students will apply appropriate ethical standards when making recommendations for business decision making.
3. Students will evaluate business decisions in the context of sustainability goals, balancing environmental, social, and economic needs, conditions, and potential decision impacts.
4. Students will formulate appropriate strategies, in the context of global issues and forces, to improve business performance in the world economy.
5. Students will explain the roles of innovation and innovation management in achieving successful business strategies, decisions, and performance.
6. Students will be able to plan, schedule, contribute to, and lead projects.

## Accreditation

The Bryan School is one of only 183 business schools in the world that is accredited in both business and accounting by AACSB International

(The Association to Advance Collegiate Schools of Business), the premier accrediting body for business schools in the world.

## Scope

Programs within the Bryan School of Business and Economics prepare students for careers in business and other managed organizations, teaching, and government, or for graduate study. These programs combine the essentials of a professional education and the breadth of general education.

- Accounting and Finance (p. 560)
  - Accounting, B.S. (p. 561)
  - Finance, B.S. (p. 562)
  - Accounting Undergraduate Minor (p. 564)
  - Accounting, M.S. (p. 564)
  - Taxation, Post-Baccalaureate Certificate (p. 566)
- The UNCG MBA Program (p. 568)
  - Business Administration, M.B.A. (p. 568)
  - Health Management, M.S.N./M.B.A. (p. 772)
  - Business Foundations, Post-Baccalaureate Certificate (p. 570)
- Business Undergraduate Minor (p. 571)
- Consumer, Apparel, and Retail Studies (p. 572)
  - Consumer, Apparel, and Retail Studies, B.S. (p. 572)
  - Retailing and Consumer Studies Undergraduate Minor (p. 574)
  - Retail Studies, M.S. (p. 574)
  - Consumer, Apparel, and Retail Studies, Ph.D. (p. 576)
  - Global Fashion Industry Management, Post-Baccalaureate Certificate (p. 577)
- Retail Consumer Data Analytics, Post-Baccalaureate Certificate (p. 577)
- Retail Merchandising Management, Post-Baccalaureate Certificate (p. 577)
- Economics (p. 578)
  - Economics, B.A. (p. 578)
  - Economics, B.S. (p. 580)
  - Economics Undergraduate Minor (p. 582)
  - Applied Economics, M.A. (p. 582)
  - Economics, Ph.D. (p. 584)
  - Economics of Health Analytics, Post-Baccalaureate Certificate (p. 585)
  - Quantitative Business Economics, Post-Baccalaureate Certificate (p. 586)
- Information Systems and Supply Chain Management (p. 588)
  - Information Systems and Supply Chain Management, B.S. (p. 589)
  - Information Technology Undergraduate Minor (p. 591)
  - Information Technology and Management, M.S. (p. 591)
  - Information Systems, Ph.D. (p. 594)
  - Information Systems, Doctoral Minor (p. 595)
  - Business Analytics, Post-Baccalaureate Certificate (p. 595)
  - Cyber Security, Post-Baccalaureate Certificate (p. 596)
  - Enterprise Resource Planning, Post-Baccalaureate Certificate (p. 596)
  - Information Technology Development, Post-Baccalaureate Certificate (p. 596)

- Information Technology Management, Post-Baccalaureate Certificate (p. 597)
- Supply Chain Management, Post-Baccalaureate Certificate (p. 597)
- Management (p. 598)
  - Business Administration, B.S. (p. 599)
  - International Business Studies, B.S. (p. 601)
  - International Business, M.S. (p. 603)
  - Business Administration, Ph.D. (p. 604)
  - Global Leadership and Strategy, Post-Baccalaureate Certificate (p. 604)
- Marketing, Entrepreneurship, and Hospitality and Tourism (p. 606)
  - Entrepreneurship, B.S. (p. 606)
  - Hospitality and Tourism Management, B.S. (p. 609)
  - Marketing, B.S. (p. 611)
  - Entrepreneurship Undergraduate Minor (p. 613)
  - Professional Selling Undergraduate Minor (p. 615)

## **Enrollment in Bryan School Courses**

Enrollment in Bryan School courses requires a minimum cumulative GPA of 2.0 on UNC Greensboro coursework, regardless of the student's major or minor. This includes all courses offered under the following prefixes: ACC, BUS, ECO, ENT, FIN, ISM, MKT, MGT, and SCM. Courses in the Bryan School may have additional prerequisites or enrollment restrictions that are outlined in the university schedule and the description of each course.

## **Requirements for Majoring or Minoring in Bryan School Programs**

Students pursuing a major or minor in the Bryan School of Business and Economics must have a cumulative grade point average no less than a 2.0 on UNC Greensboro course work. Requests to major or minor in one of the Bryan School's programs can be made online. After being accepted as a pre-major in the Bryan School, students must then work toward being fully admitted to a specific program of study.

## **Criteria for Admission to Programs of Study in the Bryan School of Business and Economics**

Bryan School Pre-Acknowledgment Courses are listed within the requirements for each program.

### **Application for Admission to Program of Study**

Students who have met the admission criteria will be notified of admission into their major by Bryan Undergraduate Student Services at the following intervals:

- by October 15, if completing required admission course work during a fall semester
- by March 15, if completing required admission course work during a spring semester
- by July 15, if completing required admission course work during a summer semester.

Departments may require additional steps in the admission to major process.

*Admission to a program of study may be denied in cases where additional enrollments would threaten the academic quality of classes or programs.*

## **Criteria for Continuing in the Bryan School of Business and Economics**

Students who have been admitted to the Bryan School of Business and Economics must be in good academic standing at UNC Greensboro, must maintain at least the GPA required for program admission, and must meet the continuation requirements of their programs of study.

## **Transfers**

Since most of the courses in the major are taken during the junior and senior years, transfer students often complete their programs without extending their total stay beyond the usual four years. As a general guide, courses taught mainly to freshmen and sophomores here will usually, but not always, be accepted in transfer from accredited two-year colleges. Courses numbered 300 and above generally will not be accepted in transfer credit from two-year institutions. In order to allow timely completion of the required courses and required prerequisites, transfer students are encouraged to complete MAT 115 College Algebra or a higher level math.

## **Second Baccalaureate Degrees**

Students pursuing a second bachelor's degree must meet all requirements within the Bryan School. The Bryan School cannot, at this time, accommodate persons who seek only to complete a series of courses in one field (such as Accounting or Information Systems).

## **Suggested Academic Workload Guidelines**

The faculty of the Bryan School of Business and Economics recognizes that many Bryan School students hold jobs to support college expenses. The faculty wishes to emphasize that academic excellence and scholastic achievement usually require a significant investment of time in study, research, and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the faculty of the Bryan School have endorsed the following recommendations:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour in class. Thus, students with a 15 credit hour course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.
2. Students who are employed more than 5–10 hours each week should consider reducing their course loads, depending upon their study habits, learning abilities, and course work requirements.
3. Students should take into consideration that many business courses require group work and plan accordingly.

## **Scholarships and Fellowships**

Procedures and requirements for applying for undergraduate scholarships are described in Financial Aid.

## **Honors Programs**

The Bryan School supports and encourages students to participate in the Honors Programs administered by the Lloyd International Honors College.

## Additional Information

Additional information regarding academic planning, course sequencing, and course requirements can be found at <http://bryan.uncg.edu/advise> (<http://bryan.uncg.edu/advise/>).

# Accounting and Finance

*Bryan School of Business and Economics*

383 Bryan Building  
336-334-5647

<http://bryan.uncg.edu/department/accounting-and-finance> (<http://bryan.uncg.edu/department/accounting-and-finance/>)

**Randal J. Elder, Department Head**  
**Amanda Cromartie, Graduate Program Director**

## Mission Statement

The mission of the Department of Accounting and Finance of the Joseph M. Bryan School of Business and Economics is

1. to provide high quality programs of education for accounting and finance majors at the undergraduate and graduate levels
2. to provide high quality courses to support the UNC Greensboro and Bryan School educational missions as they relate accounting and finance to global processes, sustainable enterprise, innovation and ethical awareness
3. to stimulate and support high quality research, scholarship, and publication
4. to provide service, largely through committee representation to the University, the Bryan School, the Department, the academic accounting and finance communities, and the accounting profession, and
5. to foster faculty interaction with the public in ways which enhance the common good.

The primary goal of the department is to provide programs of quality education in accounting and finance at the undergraduate and graduate levels. The undergraduate program provides an excellent foundation for careers in industry and is sufficiently broad to qualify graduates for a wide range of entry-level, business-related positions; and prepares students for further graduate-level studies in areas such as accounting, finance, law, and business administration.

Our accounting programs are separately accredited by The Association to Advance Collegiate Schools of Business (AACSB), the premier accrediting agency for business programs worldwide. Accounting is the only discipline within business for which separate accreditation is given. With this designation, we are among the top 1% of programs worldwide. We strive to maintain the quality and continuous improvement expected from programs which have achieved AACSB business and accounting accreditation.

The Department of Accounting and Finance also offers a Bachelor of Science degree with a major in finance. The undergraduate finance program deals with the theory, organization, and operation of the financial system from both a market and a managerial viewpoint. Students are expected to develop analytical abilities and to present their analyses in both written and oral form.

Undergraduate majors are offered a broad range of courses from the areas of financial management, financial institutions, and investments.

Graduates may take managerial positions in controllership or treasury work in non-financial businesses as well as a wide array of careers in financial services and banking. In addition, the degree may lead to positions in risk management and real estate departments of public

agencies and private corporations as well as insurance and real estate companies.

At the graduate level, the Bryan School offers courses in finance as part of the Master of Business Administration (M.B.A.) program.

## Student Learning Goals

Critical thinking, quantitative aptitude, teamwork, and good communication skills are necessary to function effectively in today's highly competitive, global environment. In order to assure that our graduates are prepared to meet the challenges of the future:

- Students will demonstrate problem solving skills and demonstrate technical competence necessary for entry-level accounting careers or entry into graduate programs in accounting.
- Students will demonstrate the ability to communicate effectively and efficiently.
- Students will have an understanding of ethical decision-making and understand the role of professional ethics including the importance of ethical conduct and decisions to the sustainability of the accounting profession.
- Finance students will be able to create forward-looking financial statements.
- Finance students will be able to analyze the current financial condition of the firm.
- Finance students will be able to thoroughly understand the mathematical process and application of capital budgeting.
- Finance Students will thoroughly understand the concepts of the time value of money (TVM), the characteristics of traditional financial securities, and the valuation of these securities.

### Professor

William O. Brown<sup>G</sup>  
Randy J Elder<sup>G</sup>  
Dayong Huang<sup>G</sup>  
Venkataraman M. Iyer<sup>G</sup>  
Daniel T Winkler<sup>G</sup>

### Associate Professor

Heng An<sup>G</sup>  
Bill Harden<sup>G</sup>  
Ayalew Ali Lulseged<sup>G</sup>  
David Roy Upton<sup>G</sup>

### Assistant Professor

Soonchul Hyun  
Lijun Lei<sup>G</sup>  
Jay Y Li  
Mengmeng Wang

### Lecturer

Jess McCall Bankhead  
Patricia Fields Cates<sup>G</sup>  
Lisa Jarvis Kennedy  
Robert E Lamy<sup>G</sup>  
James A. Milanese  
Joshua Peter Moore<sup>G</sup>

### G Graduate-level faculty

- Accounting, B.S. (p. 561)
- Finance, B.S. (p. 562)

- Accounting Undergraduate Minor (p. 564)
- Accounting, M.S. (p. 564)
- Taxation, Post-Baccalaureate Certificate (p. 566)

## Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 571).

## Accounting, B.S.

**The Accounting, B.S. major is available in a traditional as well as an online format.**

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Cumulative GPA of at least 2.0
- Grades of C or better in all courses used toward Major Course Requirements
- Grades of B- or better in: ACC 201 and ACC 202
- Grades of C or better in: ECO 201 and ISM 280
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

### Major Requirements

#### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission and Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	

Select one of the following:

ENG 101	Exploring Writing in College Contexts
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication
RCO 101	College Writing I
<i>Completion of one of the following:</i>	
MAT 115	College Algebra
MAT 118	Algebra with Business Applications
MAT 120	Calculus with Business Applications
MAT 150	Precalculus I
MAT 151	Precalculus II
MAT 190	Precalculus
MAT 183	Mathematics for the Life Sciences
MAT 184	Calculus for the Life Sciences
MAT 191	Calculus I
MAT 292	Calculus II
MAT 293	Calculus III
MAT 196	Calculus A
MAT 296	Calculus B

### Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	

*Global Sustainability Elective - One chosen from the list below: \*\**

ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
HTM 200	Introduction to Sustainable Development

\* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

\*\* Or other approved Global Sustainability elective.

## Accounting Courses

Code	Title	Credit Hours
<b>Required</b>		
<i>Minimum grade of C in all Major Course Requirements:</i> *		
ACC 318	Intermediate Accounting I	3
ACC 319	Intermediate Accounting II	3
ACC 325	Accounting Transaction Processing Systems	3
ACC 330	Cost Accounting	3
ACC 420	Federal Tax Concepts	3
ACC 440	Auditing Concepts	3
<b>Data Analytics Requirement</b>		
<i>Select one of the following:</i>		
ISM 218	Database Systems	3
ISM 425	Business Analytics	3
ECO 350	Economic and Business Statistics II	3
<b>Finance Requirement **</b>		
<i>Select one of the following:</i>		
FIN 410	Business Finance II	3
FIN 442	Investments	3
FIN 450	Fundamentals of Futures, Options and Behavioral Finance	3

\* Transfer credit, or use of a course to meet a prerequisite, is given for Accounting courses at the 300 level or above only by examination.

\*\* or a 400 level ACC elective

## Electives

Electives sufficient to complete 120 total credit hours required for the degree.

## Disciplinary Honors in Accounting

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		
<b>3 credits of Honors course work in the major or another area</b>		

### Recognition

Receive a Certificate of Disciplinary Honors in Accounting; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Ambrose Jones III at ambrose.jones.iii@uncg.edu for further information and guidance about Honors in Accounting. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.S. to M.S. in Accounting

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Accounting may apply for admission to the Accelerated Master's Program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. The Department of Accounting and Finance also requires an Accounting GPA of 3.5 based on at least 9 credits of accounting classes earned at UNC Greensboro. Students must have completed accounting courses through ACC 318 Intermediate Accounting I with a minimum grade of B or better. Applicants must have completed at least 60 credits and may not apply for admission to the accelerated program before the first semester of the junior year. Applicants will not be required to take the GMAT. All applicants must complete the Accelerated Master's Program information when applying for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 6 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Accounting:

Code	Title	Credit Hours
ACC 561	Governmental and Nonprofit Accounting	3
ACC 621	Accounting Internship	3
ACC 631	Advanced Auditing	3
ACC 632	Principles of Fraud Examination	3
ACC 638	Information Technology Auditing and Accounting Data Analytics	3
ACC 642	Specialized Accounting Entities	3
ACC 651	Introduction to Business Entity Taxation	3
ACC 652	Taxation of Estates, Gifts and Trusts	3
ACC 688	Advanced Business Law	3

Graduate courses completed through the Accelerated Master's Program fulfill the last accounting elective and one free elective for the undergraduate degree. ACC 638 may fulfill the data analytics accounting major requirement for the undergraduate degree. Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Science in Accounting remain the same.

## Finance, B.S.

The Finance, B.S. major is available in traditional as well as online format.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum grade of C in all ACC, ECO, and FIN courses at the 300 level or above used toward the major
- At least 50 percent of the business credits required for the degree must be earned at UNC Greensboro.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission **and** Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	

*Select one of the following:*

ENG 101	Exploring Writing in College Contexts
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication
RCO 101	College Writing I
<i>Completion of one of the following:</i>	
MAT 115	College Algebra
MAT 118	Algebra with Business Applications
MAT 120	Calculus with Business Applications
MAT 150	Precalculus I
MAT 151	Precalculus II
MAT 190	Precalculus
MAT 183	Mathematics for the Life Sciences
MAT 184	Calculus for the Life Sciences
MAT 191	Calculus I
MAT 292	Calculus II
MAT 293	Calculus III
MAT 196	Calculus A
MAT 296	Calculus B

## Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	

*Global Sustainability Elective - One chosen from the list below: \*\**

ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
HTM 200	Introduction to Sustainable Development

\* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

\*\* Or other approved Global Sustainability elective.

## Finance Courses (15 credit hours)

Code	Title	Credit Hours
<b>Required</b>		<b>15</b>
FIN 330	Financial Institutions and Markets	
FIN 410	Business Finance II	
FIN 442	Investments	
<i>Select at least two additional courses from the following:</i>		
FIN 335	Entrepreneurial Finance	
FIN 449	Contemporary Topics in Finance	
FIN 450	Fundamentals of Futures, Options and Behavioral Finance	
FIN 493	Honors Work	
FIN 499	Problems in Finance	
ACC 318	Intermediate Accounting I	
ACC 319	Intermediate Accounting II	
ACC 330	Cost Accounting	
ACC 420	Federal Tax Concepts	

ECO 301	Intermediate Microeconomic Theory
ECO 350	Economic and Business Statistics II

## Electives

Electives sufficient to complete 120 total credit hours required for the degree.

## Accounting Undergraduate Minor

The accounting minor is available to any UNC Greensboro student, other than ACCT majors, who is in good standing in the University. The minor complements a variety of professional and arts and sciences fields. It focuses on various accounting principles in order for students to be more successful in the professional pursuits.

## Admissions and Policies

Students can submit a minor application online here (<https://bryan.uncg.edu/current-students/forms/request-a-change-of-major-or-minor/>) or you can visit our Bryan Student Services Office, Room 137 Bryan Building.

## Program Requirements

- Minimum of 15 credit hours.
- 9 credits must be successfully completed at UNC Greensboro.
- To receive credit for the minor, the student must achieve a grade of B- or better in ACC 201 and ACC 202, as a prerequisite for ACC 318.
- The student must achieve a grade of C or better in ACC 318.

Code	Title	Credit Hours
<b>Required</b>		
ACC 201	Financial Accounting	5
ACC 202	Managerial Accounting	
ACC 318	Intermediate Accounting I	

Select an additional 6 credits of upper division accounting courses at the 300- or 400-level

## Accounting, M.S.

The M.S. in Accounting is one of the longest running and most successful programs in graduate-level accounting education in North Carolina and is among the top 1% of programs worldwide to have supplemental AACSB accreditation. The program satisfies the 150-hour educational requirement adopted by most states, including North Carolina, for certification and licensure as a CPA. The program has a strong reputation for its internship program and job placement as well as an excellent record of preparing students to pass the CPA examination. In addition, students in the M.S. in Accounting program have the option to specialize in Tax or Financial Reporting and Assurance.

The M.S. in Accounting program admits students from all backgrounds. For students that have fulfilled the essential prerequisites, the program requires 30 credit hours of graduate course work. The program has a flexible structure designed to be full-time for the intensive student or part-time for the working professional. Due to the importance of a strong accounting foundation, students whose previous accounting course work indicate deficiency in one or more accounting courses may be required to complete one or more prerequisite courses as part of the program.

We also offer a professional entry option for students holding previous non-accounting degrees and who now have an interest in preparing for careers in public accounting, consulting, and corporate accounting. This option is also ideal for students who have an undergraduate degree in accounting from outside of the United States. The professional entry option requires any necessary qualifying prerequisite courses and two additional required core courses.

Applicants are expected to have a basic business background including an introduction to economics, statistics, financial accounting, and managerial accounting. Applicants that do not have this background will be expected to meet these minimum requirements before beginning the M.S. in Accounting program. These basic business courses are offered each semester, including summer. It is possible for students in need of these courses to apply to begin in the fall term and take any necessary introductory courses over the summer.

Most full-time students can complete the program in 12 to 18 months, and most part-time students can complete the program in 24 to 36 months. The length of time necessary to complete the program depends on the student's accounting and business background as well as the course load chosen by the student.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a:

- Personal statement indicating the reasons for pursuing the M.S. in Accounting degree
- Resume

Applicants should consult with the M.S. in Accounting Program Director for specific admission requirements.

The M.S. in Accounting program is designed for qualified students from any academic background. Students admitted without the necessary accounting and business background will be required to take certain prerequisite and/or required elective courses. Individual prerequisite needs are assessed by the program director when admission decisions are made.

GMAT or GRE scores are accepted.

GMAT waivers are considered but are not automatic. The applicant must request a GMAT waiver in writing to the M.S. in Accounting Committee and provide all necessary documentation that verifies that they meet applicable criteria as listed below. Final waiver decisions will be entered by the M.S. in Accounting Program Director or Accounting and Finance Department Head. GMAT waiver decisions shall be made on a case-by-case basis using the following criteria.

To be eligible for a GMAT waiver based on:

- Beta Gamma Sigma membership, the applicant must provide evidence of Beta Gamma Sigma membership.
- An undergraduate degree earned at UNCG, the applicant must have earned the undergraduate degree within the past five years with a minimum cumulative undergraduate GPA of 3.3 or higher. An accounting undergraduate GPA of 3.0 or higher will also be considered.
- An undergraduate degree earned at another institution, the applicant must have earned the undergraduate degree within the past five years

from at least an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC) with a minimum cumulative undergraduate GPA of 3.3 or higher out of 4.0 and the school is recommended by accounting faculty or staff and approved by the M.S. in Accounting Committee.

- Experience, the applicant must have at least five years of significantly progressive professional work experience (may include military service) and an undergraduate degree from at least an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC) with a minimum GPA of 3.0 or higher out of 4.0.
- Completion of the P.B.C. in Taxation at UNC Greensboro.
- Certification, the applicant must provide evidence of professional certification (e.g., CPA).
- An advanced degree (M.A., M.Sc., etc. or higher), the applicant must meet the following criteria: an advanced degree from at least an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC) which required a standardized test (such as the GMAT or equivalent) as an entrance requirement; and a graduate GPA of at least 3.3 out of 4.0; and at least five years of relevant professional work experience.

## Degree Program Requirements

**Required:** 30-42 credit hours

Depending on the student's accounting and business background, the length of the program will be 30-42 credit hours. All students will complete the Master of Science in Accounting core curriculum, electives, and capstone totaling 30 credits. A student that does not have an undergraduate degree in accounting or that earned the undergraduate degree in accounting from outside of the United States may have additional curriculum requirements of up to 12 credits. Students also have the option to concentrate in Tax or Financial Reporting and Assurance. The M.S. in Accounting does not require a thesis.

Code	Title	Credit Hours
<b>Qualifying Prerequisite Courses (12 credits)<sup>1</sup></b>		
ACC 518	Intermediate Accounting I	3
ACC 519	Intermediate Accounting II	3
ACC 525	Accounting Transaction Processing Systems	3

ACC 531	Cost Accounting	3
<b>Required Core Courses (9 credits)<sup>2</sup></b>		
ACC 638	Information Technology Auditing and Accounting Data Analytics	3
ACC 642	Specialized Accounting Entities	3
ACC 651	Introduction to Business Entity Taxation	3
<b>Core Accounting Elective Courses (9 credits)<sup>2</sup></b>		
Select a minimum of 9 credits from the following: <sup>3</sup>		9
ACC 561	Governmental and Nonprofit Accounting	
ACC 613	Directed Studies in Accounting	
ACC 621	Accounting Internship <sup>4</sup>	
ACC 631	Advanced Auditing	
ACC 632	Principles of Fraud Examination	
ACC 646	Advanced Study in Business Environment and Concepts	
ACC 647	Advanced Study in Financial Accounting and Reporting	
ACC 648	Guided Study in Taxation and Business Law	
ACC 649	Advanced Study in Auditing and Attestation	
ACC 652	Taxation of Estates, Gifts and Trusts	
ACC 655	Taxation of Corporations and Shareholders	
ACC 656	Taxation of Flow-Through Business Entities	
ACC 688	Advanced Business Law	
<b>Elective Courses (9 credits)</b>		
Select 9 credits in elective courses <sup>5</sup>		9
<b>Capstone Course (3 credits)</b>		
ACC 630	Seminar in Contemporary Accounting Issues	3
<b>Total Credit Hours</b>		<b>30-42</b>

<sup>1</sup> Qualifying prerequisite courses in intermediate accounting will be required for students who do not have an adequate background from their undergraduate degree program. These courses may be waived for students who have completed equivalent academic course work and who can meet specific learning objectives. Applicants should consult with the M.S. in Accounting Program Director for course waiver information.

<sup>2</sup> Non-accounting undergraduate majors will be required to take ACC 602 Federal Tax Concepts and ACC 604 Auditing Concepts as part of the accounting elective hours.

<sup>3</sup> Or other approved graduate-level ACC courses in consultation with the M.S. in Accounting Program Director.

<sup>4</sup> ACC 621 is highly recommended as part of the M.S. in Accounting program. There will be opportunities to network with employers. Students in the program are not guaranteed an internship position.

<sup>5</sup> Elective courses may be selected from other courses offered by the M.S. in Accounting program, courses from other master's programs offered by the Bryan School of Business and Economics, and courses from other master's programs offered by the university. Courses selected from other program may be taken only with the permission of the M.S. in Accounting Program Director and the program director for the specific program offering the course. Students that have not taken a financial management course previously will be required to take MBA 707 Financial Management as an elective course.

## Financial Reporting and Assurance Concentration

The Financial Reporting and Assurance Concentration is designed for students who wish to specialize in areas such as corporate financial

reporting and analysis, assurance service, and consulting. Students may enroll in the concentration with or without an undergraduate degree in accounting, however, careful planning is required. Students must consult with their academic advisor early in the degree program to meet all concentration requirements.

Code	Title	Credit Hours
<b>Concentration Courses (9 credits)</b>		
Select three courses (9 credits) from the following: *		9
ACC 561	Governmental and Nonprofit Accounting	
ACC 631	Advanced Auditing	
ACC 632	Principles of Fraud Examination	
ACC 688	Advanced Business Law	
MBA 721	Financial Statement Analysis and Valuation	
<b>Total Credit Hours</b>		<b>9</b>

\* ACC 613 Directed Studies in Accounting *may be taken as a concentration course when appropriate and if approved by the M.S. in Accounting Program Director and the course instructor.*

## Tax Concentration

The Tax Concentration is designed for students who wish to specialize in accounting taxation. Students may enroll in the concentration with or without an undergraduate degree in Accounting, however, careful planning is required. Students must consult with their academic advisor early in the degree program to meet all concentration requirements.

Code	Title	Credit Hours
<b>Concentration Courses (9 credits)</b>		
Select three courses (9 credits) from the following: *		9
ACC 652	Taxation of Estates, Gifts and Trusts	
ACC 655	Taxation of Corporations and Shareholders	
ACC 656	Taxation of Flow-Through Business Entities	
ACC 688	Advanced Business Law	
<b>Total Credit Hours</b>		<b>9</b>

\* ACC 613 Directed Studies in Accounting *may be taken as a concentration course when appropriate and if approved by the M.S. in Accounting Program Director and the course instructor.*

## Accelerated B.S. to M.S. in Accounting Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Science in Accounting may apply for admission to the Accelerated Master's Program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. The Department of Accounting and Finance also requires an Accounting GPA of 3.5 based on at least 9 credits of accounting classes earned at UNC Greensboro. Students must have completed accounting courses through ACC 318 Intermediate Accounting I with a minimum grade of B or better. Applicants must have completed at least 60 credits and may not apply for admission to the accelerated program before the first semester of the junior year. Applicants will not be required to take the GMAT. All applicants must complete the Accelerated Master's

Program information when applying for admission to the graduate degree program.

## Courses

Admitted students may apply a maximum of 6 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Accounting:

Code	Title	Credit Hours
ACC 561	Governmental and Nonprofit Accounting	3
ACC 621	Accounting Internship	3
ACC 631	Advanced Auditing	3
ACC 632	Principles of Fraud Examination	3
ACC 638	Information Technology Auditing and Accounting Data Analytics	3
ACC 642	Specialized Accounting Entities	3
ACC 651	Introduction to Business Entity Taxation	3
ACC 652	Taxation of Estates, Gifts and Trusts	3
ACC 688	Advanced Business Law	3

Graduate courses completed through the Accelerated Master's Program fulfill the last accounting elective and one free elective for the undergraduate degree. ACC 638 may fulfill the data analytics accounting major requirement for the undergraduate degree. Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Science in Accounting remain the same.

## Taxation, Post-Baccalaureate Certificate

The Department of Accounting and Finance offers a Post-Baccalaureate Certificate in Taxation. It is intended for professionals with a bachelor's degree in accounting or related field from an accredited college or university and is designed for students interested in an in-depth study of accounting taxation.

The certificate program consists of a minimum of 12 credit hours but may not exceed 15 credit hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit:

- Official transcript confirming a bachelor's degree from an accredited college or university with indication of ability to succeed in graduate studies.
- Statement of purpose highlighting career and educational goals.
- Resume.
- Three letters of recommendation.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Course (3 credits)</b>		
ACC 651	Introduction to Business Entity Taxation	3
<b>Elective Courses (9 credits)</b>		
Select three courses (9 credits) from the following: *		9
ACC 652	Taxation of Estates, Gifts and Trusts	
ACC 655	Taxation of Corporations and Shareholders	
ACC 656	Taxation of Flow-Through Business Entities	
ACC 688	Advanced Business Law	
<b>Total Credit Hours</b>		<b>12</b>

\* ACC 613 Directed Studies in Accounting *may be taken as an elective course when appropriate and if approved by the M.S. in Accounting Program Director and course instructor.*

# The UNCG MBA Program

*Bryan School of Business and Economics*

301 Bryan Building

336-334-5390

bryan.uncg.edu/programs/masters/list/the-uncg-mba/ (<https://bryan.uncg.edu/programs/masters/list/the-uncg-mba/>)

**William Brown, Associate Dean of the Bryan School and M.B.A. Graduate Program Director**

**Tuisha Fernandes Stack, Administrative Director**

## About

The M.B.A. is a professional program built on a strategic management theme. The curriculum emphasizes an interdisciplinary approach to decision making in a changing global environment in which globalization and sustainability are changing the way all organizations function. Students in the Early Career Professional track complete 45 credit hours of course work while students in the Experienced Professional track complete 42 credit hours of course work. It may take up to five years to complete the degree depending on the number of credit hours taken each semester. Both tracks are available face to face and online. Concentrations in Business Analytics, Cyber Security, Finance, International Business, Information Technology, Marketing, and Supply Chain Management are offered both to Early Career Professional and Experienced Professional students.

## Graduate Programs

- Post-Baccalaureate Certificate in Business Foundations
- Master of Business Administration (M.B.A.)
- Master of Science in Nursing/Master of Business Administration (M.S.N./M.B.A.) in Health Management [*Offered jointly by the Bryan School of Business and Economics and the School of Nursing.*]
- Business Administration, M.B.A. (p. 568)
- Health Management, M.S.N./M.B.A. (p. 772)
- Business Foundations, Post-Baccalaureate Certificate (p. 570)

\* *The Health Management, M.S.N./M.B.A. is jointly offered by the UNCG M.B.A. Program in the Bryan School of Business and Economics and the School of Nursing.*

## Business Administration, M.B.A.

The Bryan School of Business and Economics offers a Master of Business Administration program with a 45 credit hour Early Career Professional track or a 42 credit hour Experienced Professional track. Students may be allowed to waive up to 9 credits of M.B.A. courses based on prior academic accomplishment. A minimum of 36 credits in the Early Career Professional track or 33 credits in the Experienced Professional track must be completed to earn the degree.

Concentrations in Business Analytics, Cyber Security, Finance, International Business, Information Technology, Marketing, and Supply Chain Management are offered both to Early Career Professional and Experienced Professional students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the applicant's materials required by the Graduate School, applicants must submit:

- One official transcript from all previous academic institutions.
- A personal statement responding to prompts in the application.
- A 60-second video introduction.
- A resume.
- Three letters of recommendation.
- Language proficiency test results for non-native English speakers.

The M.B.A. program is designed for qualified students from any academic background. Qualified applicants to the Experienced Professional track will have relevant managerial experience indicating increasing levels of managerial responsibilities. Qualified applicants to the Early Career Professional track will have five years or less full-time work experience and evidence of leadership potential. An interview may be required.

## Degree Program Requirements

**Required:** 42-45 credit hours

Students may be allowed to waive up to 9 credits of basic level M.B.A. courses based on prior academic accomplishment. A minimum of 36 credits in the Early Career Professional track or 33 credits in the Experienced Professional track must be completed to earn the degree.

**Computer Literacy:** M.B.A. degree program students should have a working knowledge of word processing and spreadsheet applications in a PC environment. Familiarity with Excel is required. Students must also be familiar with basic probability and statistics as covered in computer-based training modules.

### Early Career Professional Track

Code	Title	Credit Hours
<b>Required Courses (36 credits)</b>		
MBA 701	Quantitative Analysis	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Managerial Economics	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 714	Business Analytics	3
or MBA 750	Negotiations for Management	
or BUS 615	Global Business	
MBA 716	Leadership	3
MBA 717	Innovation	3
MBA 741	Capstone Consulting Project <sup>1</sup>	3
MBA 742	Organizational Internship <sup>2</sup>	3
<b>Electives (9 credits)</b>		
Select 9 credits of elective courses <sup>3</sup>		9
<b>Total Credit Hours</b>		<b>45</b>

<sup>1</sup> MBA 741 indicates Capstone Experience.

<sup>2</sup> Students must complete 3 credits.

<sup>3</sup> Students must complete 3 credits.

<sup>3</sup> With prior approval by the M.B.A. Program Director or Associate Director. Courses in other departments and schools at the 500-, 600-, and 700-level may be taken.

## Experienced Professional Track

Code	Title	Credit Hours
<b>Required Courses (33 credits)</b>		
MBA 701	Quantitative Analysis	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Managerial Economics	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 714	Business Analytics	3
or MBA 750	Negotiations for Management	
or BUS 615	Global Business	
MBA 716	Leadership	3
MBA 717	Innovation	3
MBA 741	Capstone Consulting Project *	3
<b>Electives (9 credits)</b>		
Select 9 credits of elective courses **		9
<b>Total Credit Hours</b>		<b>42</b>

\* MBA 741 indicates Capstone Experience.

\*\* With prior approval by the M.B.A. Program Director or Associate Director. Courses in other departments and schools at the 500-, 600-, and 700-level may be taken.

## Business Analytics Concentration

Code	Title	Credit Hours
<b>Select three courses (9 credits) from the following *</b>		
ECO 643	Econometric Methods	
ISM 645	Principles of Predictive Analytics	
ISM 646	Visualizing Data to Design Strategy	
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	
ISM 671	Organizing Data for Analytics	
MBA 730	Marketing Research	
SCM 651	Analytics for Logistics and Distribution Management	
<b>Total Credit Hours</b>		<b>9</b>

\* Or other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

## Cyber Security Concentration

Code	Title	Credit Hours
<b>Select three courses (9 credits) from the following: *</b>		
ISM 665	Principles of Cyber Security	9

ISM 666	Blockchains and Cryptography
ISM 667	Global Cyber Threat Analysis
ISM 670	IT Driven Disruptive Innovation Management

<b>Total Credit Hours</b>	<b>9</b>
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\* Or other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

## Finance Concentration

Code	Title	Credit Hours
<b>Select 9 credits from the following: *</b>		
MBA 720	Investments	
MBA 721	Financial Statement Analysis and Valuation	
MBA 724	Financial Institutions	
MBA 744	Special Topics in Business Administration	

<b>Total Credit Hours</b>	<b>9</b>
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\* Or other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

## Information Technology Concentration

Code	Title	Credit Hours
<b>Select 9 credits from the following: *</b>		
ISM 645	Principles of Predictive Analytics	
ISM 665	Principles of Cyber Security	
ISM 670	IT Driven Disruptive Innovation Management	
ISM 671	Organizing Data for Analytics	
ISM/ENT 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
ISM 677	Information Systems Management	
ISM 678	Project Management for Dynamic Environments	

<b>Total Credit Hours</b>	<b>9</b>
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\* Or other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

## International Business Concentration

Code	Title	Credit Hours
<b>Select three courses (9 credits) from the following: *</b>		
BUS 616	International Business Negotiations	
BUS 617	International Strategy	
BUS 622	Cross-Cultural Management	
BUS 695	Special Topics in International Business	
MBA 733	International Marketing Management	

<b>Total Credit Hours</b>	<b>9</b>
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\* Or other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

## Marketing Concentration

Code	Title	Credit Hours
<b>Select 9 credits from the following:</b>		
MBA 730	Marketing Research	3
MBA 731	Brand Management	3
MBA 732	Consumer Behavior	3
MBA 733	International Marketing Management	3
MBA 734	Digital Marketing Analytics	3
<b>Total Credit Hours</b>		<b>9</b>

\* Or other appropriate courses as approved by the M.B.A. Program Director or Associate Director.

## Supply Chain Management Concentration

Code	Title	Credit Hours
<b>Select 9 credits from the following:</b>		
SCM 650	Principles of Supply Chain Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3
SCM/ISM 678	Project Management for Dynamic Environments	3
<b>Total Credit Hours</b>		<b>9</b>

## Accelerated B.A. or B.S. to M.B.A. in Business Administration

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the Bachelor of Arts in Sustainable Tourism and Hospitality or a Bachelor of Science in Accounting, Business Administration, Entrepreneurship, Finance, Information Systems and Supply Chain Management, International Business, or Marketing may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants are not required to take the Graduate Management Admission Test (GMAT). All applicants must complete the Accelerated Master's Program information when applying for admission to the graduate degree program.

### Courses

Admitted students may apply up to, but not more than, 9 credits of graduate-level course work towards completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The following courses may be counted towards both the B.A or B.S. and the M.B.A. degrees:

Code	Title	Credit Hours
MBA 706	Marketing Management	3
MBA 716	Leadership	3

MBA 718 Global Business  
or BUS 615 Global Business

3

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Business Administration degree remain the same.

## Business Foundations, Post-Baccalaureate Certificate

The purpose of the 12 credit-hour Post-Baccalaureate Certificate in Business Foundations is to provide professionals who have a bachelor's degree in a non-business field the opportunity to acquire education in business administration without committing to the lengthier M.B.A. program. The certificate is offered on campus and online.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit an admission essay, answering specific prompts, an introductory video and relevant reasons for pursuing the certificate. An interview may be required.

Qualified applicants will have relevant managerial experience indicating increasing levels of managerial responsibilities.

Current students in the M.B.A., M.S. in Accounting, or M.S. in Information Technology and Management programs will not be eligible for the Post-Baccalaureate Certificate.

Course work taken as part of the certificate program may be applied towards the M.B.A. degree in accordance with the policies of The Graduate School.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
Select four courses (12 credits) from the following:		
MBA 701	Quantitative Analysis	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Managerial Economics	3
MBA 716	Leadership	3
MBA 717	Innovation	3
MBA 718	Global Business	3
or BUS 615 Global Business		
<b>Total Credit Hours</b>		<b>12</b>

## Business Undergraduate Minor

The Business Minor, consisting of 21 credit hours, is available for majors outside the Bryan School of Business and Economics who are in good standing in the university and are NOT one of the following majors:

- Accounting
- Business Administration
- Economics (B.S. Degree Program only)
- Entrepreneurship
- Finance
- International Business Studies
- Information Systems and Supply Chain Management
- Marketing
- Hospitality and Tourism Management

The minor complements a variety of professional and arts and sciences fields.

### Admission to the Minor

See Bryan School Undergraduate Student Services Office, Room 137, Bryan Building.

Admission to the minor may be denied in cases where additional enrollments would threaten the academic quality of classes or programs.

### Program Requirements

- Minimum of 21 credit hours
- Completion of the courses below.
- Cumulative GPA of 2.0 in all courses taken for the Business minor
- 9 credits of the minor course work must be successfully completed at UNC Greensboro.

Code	Title	Credit Hours
<b>Required</b>		
ISM 110	Foundations for Analytics using Spreadsheets	3
ACC 202	Managerial Accounting	3
ACC 201	Financial Accounting	3
or ACC 218	Financial Statement Preparation and Disclosures	3
ECO 201	Principles of Microeconomics	3
<b>Business Electives</b>		
		<b>9</b>

Select 9 additional credits from the following course prefixes: ACC, BUS, ENT, FIN, ISM, MGT, MKT, or SCM

# Consumer, Apparel, and Retail Studies

Bryan School of Business and Economics

210 Stone Building  
336-334-5250  
<http://bryan.uncg.edu/cars> (<http://bryan.uncg.edu/cars/>)

**Nancy Hodges**, Department Chair  
**Jin Su**, Graduate Program Director

The Consumer, Apparel, and Retail Studies Department offers two concentrations: Apparel Design and Retailing & Consumer Studies. These concentrations prepare students for positions with companies that focus on the process of concept to consumer for apparel and consumer-related products. Graduates may take positions in apparel design, apparel product development, fashion trend forecasting and analysis, quality control, sourcing, merchandising, buying, and retail management.

During the first two years of study, students will complete the majority of their general education requirements and begin introductory consumer, apparel, and retailing courses. In order to develop a strong knowledge base and build upon previously learned concepts, many of these courses are sequential and must be completed in the established order.

International exposure is built into the curriculum. Study of foreign languages is encouraged and international study experiences are possible. All majors take supporting courses in the Bryan School of Business and Economics. Students in the Retailing and Consumer Studies concentration can elect to fulfill a business minor with two additional Business electives.

The Apparel Design concentration is restricted to a limited number of students in the studio courses. All students wishing to enroll in the Apparel Design studio courses must submit an Apparel Design Application. Only students who have formal, written acceptance into the Apparel Design studio courses will be permitted to register in APD 251, APD 252, APD 341, and APD 443. Admission to the university does not guarantee acceptance into the Apparel Design studio courses. In all cases, admission is competitive and limited by space available in the program.

Internship experiences are required of all CARS students through a structured two-course sequence that includes a professional development class that prepares them both to find internships and to achieve successful internship experiences. The CARS Internship Program Coordinator structures and supervises internships to ensure quality experiences. Because of the proximity to North Carolina's strong apparel and retailing industries, the majority of students have internships within the state; however, the long-standing relationships between CARS and the apparel, fashion, and retailing industries link students to opportunities for out-of-state internships in such exciting places as New York City, Atlanta, and the West Coast.

The Department of Consumer, Apparel, and Retail Studies offers graduate programs leading to a Post-Baccalaureate Certificate and the Master of Science and Doctor of Philosophy degrees. Course work and research focus on primary concepts in the study of consumer, apparel, and retailing, integrating perspectives from the social sciences, business, economics, and humanities.

Graduate courses focus on consumer, apparel, and retail issues with emphasis on consumer behavior and marketing. Students are encouraged to select supporting course work in related disciplines such as business, economics, sociology, psychology, anthropology, statistics, and information science.

## Professor

Elena Egorovna Karpova, *Professor and Putnam and Hayes Distinguished Professor<sup>G</sup>*

Nancy Nelson Hodges, *Burlington Industry Professor and Professor<sup>G</sup>*

## Associate Professor

Melanie R. Carrico<sup>G</sup>  
Jin Su<sup>G</sup>  
Tu Watchravesringkan<sup>G</sup>

## Assistant Professor

Haeun Bang<sup>G</sup>

## Lecturer

Trish W Kemerly  
Anne Mitchell Wood

## G Graduate-level faculty

- Consumer, Apparel, and Retail Studies, B.S. (p. 572)
- Retailing and Consumer Studies Undergraduate Minor (p. 574)
- Retail Studies, M.S. (p. 574)
- Consumer, Apparel, and Retail Studies, Ph.D. (p. 576)
- Global Fashion Industry Management, Post-Baccalaureate Certificate (p. 577)
- Retail Consumer Data Analytics, Post-Baccalaureate Certificate (p. 577)
- Retail Merchandising Management, Post-Baccalaureate Certificate (p. 577)

## Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 571).

## Consumer, Apparel, and Retail Studies, B.S.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Only grades of C (2.0) or higher in CRS, APD, and RCS courses will count toward completion of the CARS major and concentrations.
- A grade of C (2.0) or higher is required in MAT 115 or higher.

### Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

• A grade of C in MAT 115 or higher is required.

Code	Title	Credit Hours
<b>Core Courses</b>		<b>27</b>
CRS 242	Foundations of Design in the Digital Environment	
CRS 211	Textile Science: From Fiber to Finish	
CRS 221	Global Perspectives on Culture, the Body, and Dress	
CRS 231	Introduction to Apparel and Related Industries: From Concept to Consumer	
CRS 255	Consumer Behavior in Apparel and Related Industries	
or CRS 262	Fashion and Social Media Marketing	
CRS 312	Technical Apparel Analysis	
CRS 331	Professional Development: Consumer, Apparel, and Retail Industries	
CRS 363	Global Sourcing of Apparel and Related Consumer Products	
CRS 481	Contemporary Professional Issues in Consumer, Apparel, and Retail Studies	
<b>Internship</b>		<b>6</b>
CRS 332	Internship: Consumer, Apparel, and Retail Industries *	
<b>Related Area Courses</b>		<b>15-16</b>
CST 105	Introduction to Communication Studies	
ISM 110	Foundations for Analytics using Spreadsheets	
MAT 115	College Algebra **	
or MAT 118	Algebra with Business Applications	
or MAT 120	Calculus with Business Applications	
or MAT 150	Precalculus I	
or MAT 151	Precalculus II	
or MAT 190	Precalculus	
or MAT 191	Calculus I	
or MAT 292	Calculus II	
PSY 121	General Psychology	
or SOC 101	Introduction to Sociology	
<i>Select one of the following:</i>		
MGT 312	Organizational Behavior	
MGT 354	Diversity and Inclusion in Organizations	
MKT 309	Business Communication & Innovation	
BUS 240	Introduction to the Entrepreneurial Experience	

\* May replace CRS 332 with 6 credits of approved electives earned while studying abroad with permission of CARS Department Head. These courses may not be used to satisfy any other degree requirements.

\*\* A grade of C in MAT 115 or higher is required.

- Apparel Product Design
- Retailing and Consumer Studies

## Electives

Electives as detailed in the concentration requirements.

### Apparel Design Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>21</b>
APD 200	Fundamentals of Apparel Product Development	
APD 244	Visual Communication for the Textile Products Industry	
APD 251	Studio I: Garment Construction	
APD 252	Studio II: Patternmaking and Draping	
APD 310	Portfolio Development for Apparel Design	
APD 341	Studio III: Advanced Patternmaking and Draping	
APD 443	Studio IV: Creative and Technical Design	

## Electives

- 9 credits of electives required from APD, CRS, or RCS courses in the CARS major
- One required elective from MKT, MGT, or ECO
- Electives should be sufficient to complete the 120 credit hours required for the degree

### Retailing and Consumer Studies Concentration Requirements

Code	Title	Credit Hours
<b>Area of Emphasis</b>		<b>15–24</b>
Select one of the three Professional Emphasis Areas (detailed requirements below).		
<b>Related Area Requirements</b>		<b>12</b>
ACC 201	Financial Accounting	
ECO 201	Principles of Microeconomics	
ECO 250	Economic and Business Statistics I	
MKT 320	Principles of Marketing	

### Professional Emphasis Areas

Code	Title	Credit Hours
<b>Merchandising Management Professional Emphasis Area (default option)</b>		<b>24</b>
RCS 264	Fashion Retail Management	
RCS 361	Fundamentals of Retail Buying and Merchandising	
RCS 363	Visual Merchandising and Product Presentation	
RCS 460	Advanced Retail Buying and Merchandising	
RCS 484	Advanced Retail Analysis	
<b>Global Retail Management Professional Emphasis Area</b>		<b>18</b>
RCS 264	Fashion Retail Management	
RCS 361	Fundamentals of Retail Buying and Merchandising	
RCS 464	Global Retail Strategy and Management	
RCS 484	Advanced Retail Analysis	

## Concentration

Select one of the concentrations as detailed following the major requirements.

Plus satisfactory completion of 6 credit hours of foreign language at the 300 level or above

**Retail and Consumer Data Management Professional Emphasis Area 15**

RCS 264	Fashion Retail Management
RCS 361	Fundamentals of Retail Buying and Merchandising
RCS 355	Retail Consumer Research
CRS 405	Retail Data Analytics
RCS 484	Advanced Retail Analysis

**Electives**

- 9 credits of electives required from APD, CRS, or RCS courses in the CARS major.
- One required elective from MKT, MGT, or ECO to complete the requirements for a minor in Business, if the minor is desired.
- Electives should be sufficient to complete the 120 credit hours required for the degree.

## Disciplinary Honors in Consumer, Apparel, and Retail Studies

**Requirements**

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

**Recognition**

Receive a Certificate of Disciplinary Honors in Consumer Apparel and Retail Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

Contact Kittichai Watchravesringkan at [k\\_watchr@uncg.edu](mailto:k_watchr@uncg.edu) for further information and guidance about Honors in Consumer Apparel and Retail Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.S. to M.S.

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Consumer, Apparel and Retail Studies may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants are not required to take the GRE. All applicants must complete the Accelerated Master's Program information when applying for admission to the graduate degree program.

### Courses

Admitted students may apply up to, but not more than, 12 credit of graduate-level course work towards completion of both the

undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The following courses may be counted towards both the B.S. and the M.S. degrees:

Code	Title	Credit Hours
CRS 605	Retail Data Analytics	3
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Retail Studies remain the same.

## Retailing and Consumer Studies Undergraduate Minor

### Program Requirements

- Minimum of 15 credit hours
- Majors in programs outside of the Consumer, Apparel, and Retail Studies Department may elect to add a minor in Consumer, Apparel, and Retail Studies by completing 15 credits, one course of which must be at the 400-level.

Code	Title	Credit Hours
<b>Required</b>		<b>6</b>
CRS 231	Introduction to Apparel and Related Industries: From Concept to Consumer	
CRS 255	Consumer Behavior in Apparel and Related Industries	
<i>The remaining credits can be selected from the courses listed below.</i>		<i>* 9</i>
CRS 211	Textile Science: From Fiber to Finish	
CRS 221	Global Perspectives on Culture, the Body, and Dress	
CRS 262	Fashion and Social Media Marketing	
CRS 321	Fashion and Identity: The Social Psychology of Dress	
CRS 372	The History of Fashion	
CRS 470	Fashion Brand Management	

\* Provided prerequisites are met.

## Retail Studies, M.S.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a:

- Current resume.
- 1-2 page goals statement. Statements should clearly:
  - Outline career goals, relevant work experience, and reasons for pursuing a graduate degree;
  - Address why the Consumer, Apparel and Retail Studies program is of interest; and
  - Include specific areas of research interest related to the department's graduate program emphasis.

Of the three letters of reference, one should be written by a former instructor or academic contact.

## Degree Program Requirements

**Required:** 30 credit hours

### Thesis Option

The M.S. in Consumer, Apparel, and Retail Studies, thesis option, requires a minimum of 30 credit hours and focuses on research issues in consumer, apparel, and retailing. It is designed to provide students with the necessary knowledge and skills to pursue careers in academics and business.

Code	Title	Credit Hours
<b>Required Core Courses (9 credits)</b>		
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 662	Behavior-Soft Lines Consumers	3
<b>Required Research Techniques (9 credits)</b>		
CRS 605	Retail Data Analytics	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
<b>Electives (6 credits)</b>		
Select 6 credits from 600- and 700-level CRS courses *		6
<b>Thesis (Capstone Experience) (6 credits)</b>		
CRS 699	Thesis	6
<b>Total Credit Hours</b>		<b>30</b>

\* As approved by the student's chair in consultation with the committee.

### Thesis Advisory Committee

The student will select a graduate advisor and two other graduate faculty members to serve as a Thesis Advisory Committee. The graduate advisor must be from the Department of Consumer, Apparel, and Retail Studies. The committee must be chosen and a program of study approved no later than the second semester enrolled in graduate courses.

## Global Apparel and Retail Management Concentration (Non-Thesis Option)

**Required:** 30-31 credit hours

The concentration in Global Apparel and Retail Management provides a non-thesis option for the M.S. in Retail Studies. The concentration requires 30-31 credit hours of online course work and provides state-of-the-art skills for decision making in global apparel management with a consumer focus. Additionally, the concentration requires an applied industry practicum which serves as a capstone experience. In

addition, students in this concentration have two tracks to choose from: Merchandising and Brand Management and Retail and Consumer Data Management.

### Merchandising and Brand Management Track

Code	Title	Credit Hours
<b>Required Core Courses (18 credits)</b>		
CRS 570	Apparel Brand Management	3
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3
<b>Elective Courses (6 credits)</b>		
Select two courses (6 credits) from the following:		6
CRS 605	Retail Data Analytics	
CRS 651	Advanced Retail Data Analytics	
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
MBA 706	Marketing Management	
MBA 716	Leadership	
MBA 730	Marketing Research	
<b>Capstone (6 credits)</b>		
CRS 632	Supervised Industry Practicum in Consumer, Apparel, and Retail Studies *	6
<b>Total Credit Hours</b>		<b>30</b>

\* Students must demonstrate a broad knowledge of the material covered in the curriculum by undertaking an approved industry practicum. A formal contract will be established between the CARS graduate program committee and each student to clearly define the scope and requirements for the project. The student will be permitted to enroll in CRS 632 once the Required Core Courses are complete.

### Retail and Consumer Data Management Track

Code	Title	Credit Hours
<b>Required Core Courses (12 credits)</b>		
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 662	Behavior-Soft Lines Consumers	3
<b>Required Research Techniques (7 credits)</b>		
CRS 605	Retail Data Analytics	3
CRS 651	Advanced Retail Data Analytics	3
STA 640	SAS System for Statistical Analysis	1
<b>Elective Courses (6 credits)</b>		
Select two courses (6 credits) from the following: *		6
SCM 650	Principles of Supply Chain Management	

SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
<b>Capstone (6 credits)</b>		
CRS 632	Supervised Industry Practicum in Consumer, Apparel, and Retail Studies **	6
<b>Total Credit Hours</b>		<b>31</b>

\* Or data analytics courses as approved.

\*\* Students must demonstrate a broad knowledge of the material covered in the curriculum by undertaking an approved industry practicum. A formal contract will be established between the CARS graduate program committee and each student to clearly define the scope and requirements for the project. The student will be permitted to enroll in CRS 632 once the Required Core Courses are complete.

## Accelerated B.S. to M.S. in Retail Studies Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Consumer, Apparel and Retail Studies may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants are not required to take the GRE. All applicants must complete the Accelerated Master's Program information when applying for admission to the graduate degree program.

### Courses

Admitted students may apply up to, but not more than, 12 credit of graduate-level course work towards completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The following courses may be counted towards both the B.S. and the M.S. degrees:

Code	Title	Credit Hours
CRS 605	Retail Data Analytics	3
CRS 620	Analysis of Apparel and Related Industries	3
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Retail Studies remain the same.

## Consumer, Apparel, and Retail Studies, Ph.D.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a current resume and a one to two-page goals statement.

The goals statements should clearly:

- Outline career goals, relevant work experience, and reason for pursuing a graduate degree;
- Address why the Consumer, Apparel and Retail Studies program is of interest; and
- Include specific areas of research interest related to the department's graduate program emphasis.

Of the three letters of reference, one should be written by a former instructor or academic contact.

## Degree Program Requirements

**Required:** 60 credit hours minimum (90 credits minimum beyond the bachelor's degree)

Code	Title	Credit Hours
<b>Required Core Courses (21 credits)</b>		
CRS 682	Graduate Seminar in Consumer, Apparel, and Retail Studies	3
CRS 701	Literature and Thought in Consumer, Apparel, and Retail Studies	3
CRS 712	Theory Development in Consumer, Apparel, and Retail Studies	3
CRS 713	Qualitative Methodology in Consumer, Apparel, and Retail Studies	3
CRS 714	Advanced Quantitative Methods in Consumer, Apparel, and Retail Studies	3
CRS 721	Consumer Behavior in Apparel and Retailing	3
RCS 662	Behavior-Soft Lines Consumers	3
<b>Research Techniques (9 credits)</b>		
ERM 780	Intermediate Statistical Methods in Education	3
ERM 781	Design and Analysis of Educational Experiments	3
ERM 782	Multivariate Analysis	3
<b>Cognate Area (9 credits)</b>		
Select 9 credits of cognate courses <sup>1</sup>		9
<b>Teaching (3 credits)</b>		
CRS 765	College Teaching Practicum in Consumer, Apparel, and Retail Studies	3
<b>Electives (3 credits)</b>		
Select 3 credits from available 600-and 700-level CRS courses <sup>2</sup>		3
<b>Research and Dissertation (15 credits)</b>		
Select 15 credits from the following:		15
CRS 790	Independent Doctoral Research	

CRS 799	Dissertation <sup>3</sup>
Total Credit Hours	60

- <sup>1</sup> In consultation with the student's chair and Advisory/Dissertation Committee, the student will identify a supporting area that will enrich and expand their research interest. The student will take a minimum of 9 credits within this area.
- <sup>2</sup> As approved by the student's chair in consultation with the Advisory/Dissertation Committee.
- <sup>3</sup> A minimum of 12 dissertation credits (CRS 799) are required.

## Required Milestones\*

- Residency (Immersion)
- Research Competency
- Plan of Study
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Global Fashion Industry Management, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Global Fashion Industry Management consists of a minimum of 12 credit hours of course work. It is intended for professionals with a bachelor's degree from an accredited institution working in any field who are interested in gaining state-of-the-art, product-specific knowledge to address issues and problems within the global fashion industry.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
CRS 620	Analysis of Apparel and Related Industries	3
RCS 584	Advanced Retail Analysis	3
or RCS 560	Advanced Retail Buying and Merchandising	
RCS 662	Behavior-Soft Lines Consumers	3
SCM 650	Principles of Supply Chain Management	3
<b>Total Credit Hours</b>		<b>12</b>

## Retail Consumer Data Analytics, Post-Baccalaureate Certificate

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must also submit a statement of interest and three letters of recommendation.

## Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
CRS 605	Retail Data Analytics	3
CRS 651	Advanced Retail Data Analytics	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 662	Behavior-Soft Lines Consumers	3
<b>Total Credit Hours</b>		<b>12</b>

## Retail Merchandising Management, Post-Baccalaureate Certificate

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must also submit a statement of interest and three letters of recommendation.

## Certificate Program Requirements

Required: 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
CRS 620	Analysis of Apparel and Related Industries	3
RCS 560	Advanced Retail Buying and Merchandising	3
RCS 584	Advanced Retail Analysis	3
RCS 662	Behavior-Soft Lines Consumers	3
<b>Total Credit Hours</b>		<b>12</b>

# Economics

*Bryan School of Business and Economics*

462 Bryan Building  
336-256-1010  
<http://economics.uncg.edu>

**Anne Royalty, Department Head**  
**Dora Gicheva, Graduate Program Director**

## Mission

The Department of Economics supports the teaching, research, and service missions of the university and the Bryan School of Business and Economics. The department's undergraduate courses and programs prepare students for the competitive global marketplace, career and professional development, and graduate education. Its innovative graduate programs, the M.A. in Applied Economics and the Ph.D. in Economics with a focus on applied microeconomics, provide students with a mastery of advanced empirical and analytical methods so they can conduct high-quality research and contribute to the knowledge base in business, government, nonprofit, and research settings. The department conducts high-quality nationally recognized research that supports its academic programs, promotes economic understanding, and fosters economic development in the Triad and in the State.

### Undergraduate

Economics is a discipline concerned with the choices made by people, firms, and governments and with public policies that affect those choices including protection of the environment, the quality and cost of health care, business productivity, inflation and unemployment, poverty, globalization, and the material well-being of the residents of the nation and of the planet. The Department of Economics offers both Bachelor of Science in Economics (B.S.) and Bachelor of Arts in Economics (B.A.) undergraduate degrees through the Bryan School of Business and Economics. These undergraduate programs prepare students for careers in business, government, or not-for-profit organizations that involve the application of economic analysis and methods or for entry into post graduate degree programs.

### Graduate

The faculty of the Department of Economics has an established national reputation for scholarship in applied microeconomic research. The department's graduate programs are specially focused on developing the theoretical and econometric tools required to formulate and interpret quality empirical research and the data handling and communication skills required to conduct and disseminate the outcomes of that research.

Programs of study offered by the Department of Economics at the graduate level include both a Master of Arts in Applied Economics (M.A.), a Doctor of Philosophy in Economics (Ph.D.), and two graduate certificates. Students without a completed master's degree in economics can apply directly to the Ph.D. program through the M.A. in Applied Economics Doctoral Track. This enables prospective students with only a bachelor's degree to be admitted to the Ph.D. program and complete the M.A. in Applied Economics degree as part of their graduate plan of study.

### Professor

Jeremy W. Bray, *Professor and Jefferson-Pilot Excellence Professor<sup>G</sup>*  
Stephen Paul Holland<sup>G</sup>  
Al Link, *Virginia Battie Phillips Distinguished Professor<sup>G</sup>*  
Anne B Royalty<sup>G</sup>

### Associate Professor

Martin Sparre Andersen<sup>G</sup>  
Dora Gicheva<sup>G</sup>  
Marie C. Hull<sup>G</sup>  
Christopher Aaron Swann<sup>G</sup>  
Martijn Van Hasselt<sup>G</sup>

### Assistant Professor

Nir Eilam<sup>G</sup>  
Sebastian Laumer<sup>G</sup>  
Timothy Ryan Moreland<sup>G</sup>

### Senior Lecturer

Jeff K. Sarbaum<sup>G</sup>

### Lecturer

Arnie Paul Aldridge<sup>G</sup>  
Eric S Howard

### G Graduate-level faculty

- Economics, B.A. (p. 578)
- Economics, B.S. (p. 580)
- Economics Undergraduate Minor (p. 582)
- Applied Economics, M.A. (p. 582)
- Economics, Ph.D. (p. 584)
- Economics of Health Analytics, Post-Baccalaureate Certificate (p. 585)
- Quantitative Business Economics, Post-Baccalaureate Certificate (p. 586)

## Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 571).

## Economics, B.A.

The Bachelor of Arts (B.A.) in Economics degree builds on a comprehensive liberal arts education in the sciences, humanities, and arts and develops the student's ability to apply economic reasoning and analysis to issues of concern in economics, public and social policy, and other disciplines in the humanities and social sciences. The B.A. in Economics provides the flexibility to take courses outside the department and the opportunity to double major in disciplines outside the Bryan School of Business & Economics. Students in the B.A. program can choose to double major in the liberal arts, the social sciences, or the natural sciences.

### Undergraduate Student Learning Goals

Critical thinking, quantitative analysis, communication skills, and economic reasoning are highly valued in the competitive global economy. In order to prepare our students for their careers and possible future graduate work, our B.A. graduates will be able to:

- Identify economic issues
- Analyze economic issues
- Propose policies to address economic issues
- Communicate effectively about economic issues

**The Economics, B.A. major is available in a traditional as well as an online format.**

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0.
- Grades of C (2.0) or better in each ECO course used to meet major requirements.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I or PSC 301 Research Methods in Political Science or PSY 211 Statistics in Behavioral Science Research or SOC 302 Introduction to Data Analysis or STA 271 Fundamental Concepts of Statistics or STA 290 Introduction to Probability and Statistical Inference or STA 352 Statistical Inference	27
ECO 301	Intermediate Microeconomic Theory	
ECO 302	Intermediate Macroeconomic Theory	
ECO 350	Economic and Business Statistics II or STA 301 Statistical Methods	
ECO 498	Seminar in Economics <i>Select additional 6 credits of Economics (ECO) electives at the 300 level or above</i>	

Related Area Requirements	6-7
ISM 110 Foundations for Analytics using Spreadsheets	
MAT 115 College Algebra or MAT 118 Algebra with Business Applications or MAT 150 Precalculus I or MAT 151 Precalculus II or MAT 191 Calculus I or MAT 120 Calculus with Business Applications or MAT 191 Calculus I or MAT 292 Calculus II or MAT 293 Calculus III or MAT 196 Calculus A or MAT 296 Calculus B	

## Electives

Electives sufficient to complete 120 total credit hours required for degree.

## Advising

A Plan of Study for the Economics B.A. degree should be developed in consultation with a Bryan Undergraduate Student Services Advisor (<https://bryan.uncg.edu/current-students/advising/>). It is strongly encouraged for students to meet with an Adviser at least once per academic term. Economics faculty are also available to discuss ECO course sequencing, elective decisions, preparation for economics graduate programs, or career discussions. Students may contract the Department of Economics by telephone at 336-256-1010 or email [economics@uncg.edu](mailto:economics@uncg.edu) to make arrangements to speak with a department faculty member.

A bachelor's in economics degree requires the application of Calculus in upper-level economics courses (e.g. ECO 301). Students should plan to complete a minimum level of MAT 120 or MAT 191 course work by the end of their Junior year in order to meet the prerequisites of the program's core curriculum. For this reason, it is highly recommended to begin mathematics courses early in your academic career and to continue to build on this quantitative skill set. Principle-level economics courses may be taken as early as the first semester.

## Graduate Program Preparation

Students planning to extend their studies to a graduate program (such as the Masters in Applied Economics offered at UNC Greensboro) should select economics elective course work to better prepare for graduate studies: ECO 319 and ECO 355. Additional upper-level mathematics courses can be highly beneficial when preparing for graduate studies in economics.

## Disciplinary Honors in Economics

### Requirements

- A minimum of 15 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 6 credits of honors course work in the major</b>		
<b>Select 3 credits of honors course work in the major or another area</b>		

### Recognition

Receive a Certificate of Disciplinary Honors in Economics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

For more information on Disciplinary Honors in Economics, students are encouraged to contact the department honors liaison, Jeremy Bray at [jwbray@uncg.edu](mailto:jwbray@uncg.edu)

To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Note: Graduate course work completed for the Accelerated Master's Program and counted towards undergraduate degree requirements may also be counted towards Disciplinary Honors requirements.

Accelerated Master's Program (AMP)

The department offers an Accelerated Master's Program (AMP) that allows exceptional UNC Greensboro undergraduate students to complete a bachelor's degree and the M.A. in Applied Economics in five years with only two additional semesters of course work beyond the bachelor's degree. Students interested in this program or the UNC Greensboro M.A. in Applied Economics program are encouraged to speak with economics faculty or an advisor early in their undergraduate studies for course selection and sequencing.

## Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) and the M.A. in Applied Economics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required.

Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Bachelor's to Graduate Degree Program Petition to the Graduate School and must simultaneously apply for admission to the M.A. in Applied Economics (form is located within the online application to the M.A. in Applied Economics program).

## Courses

Admitted students may apply 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program must be approved by the Graduate Program Director, must be specified on the Graduate Degree Program Petition, and must be chosen from among the following required courses in the M.A. in Applied Economics curriculum:

Code	Title	Credit Hours
Select four courses (12 credits) from the following:		12
ECO 625	Data Methods in Economics	
ECO 630	Introduction to Cost Effectiveness	
ECO 631	Applied Policy Methods	
ECO 637	Empirical Health Economics	
ECO 657	Managerial Economics	
ECO 664	Time Series and Forecasting	
ISM 645	Principles of Predictive Analytics	

Graduate courses counted for the Accelerated Master's Program should be selected in consultation with the Graduate Program Director. Please consult with an undergraduate adviser to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Applied Economics remain the same.

## Economics, B.S.

The Bachelor of Science (B.S.) in Economics builds on the analytical business foundation required of all Bryan School of Business and Economics students and develops the student's ability to apply economic reasoning and analysis to business and public policy issues. Curriculum under the B.S. degree provides the opportunity to develop synergies with other areas of study within the Bryan School. The B.S. degree requires completion of the Bryan School Pre-Admission Courses and the Bryan Business Core curriculum.

## Undergraduate Student Learning Goals

Critical thinking, quantitative analysis, communication skills, and economic reasoning are highly valued in the competitive global economy. In order to prepare our students for their careers and possible future graduate work, our B.A. and B.S. graduates will be able to:

- Identify economic issues
- Analyze economic issues
- Propose policies to address economic issues
- Communicate effectively about economic issues

**The Economics, B.S. major is available in a traditional as well as an online format.**

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0
- Grades of C (2.0) or better in each ECO course used to meet major requirements, including ECO courses in the Bryan Pre-Admission Courses and Common Business Core.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro.
- The Economics, B.S. major is available in a traditional as well as an online format.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission and Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development Blueprint for Personal and Professional Development	29-30
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	

ISM 110	Foundations for Analytics using Spreadsheets
ISM 280	Information Systems for Decision Making
<i>Select one of the following:</i>	
ENG 101	Exploring Writing in College Contexts
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication
RCO 101	College Writing I
<i>Completion of one of the following:</i>	
MAT 115	College Algebra
MAT 118	Algebra with Business Applications
MAT 120	Calculus with Business Applications
MAT 150	Precalculus I
MAT 151	Precalculus II
MAT 190	Precalculus
MAT 183	Mathematics for the Life Sciences
MAT 184	Calculus for the Life Sciences
MAT 191	Calculus I
MAT 292	Calculus II
MAT 293	Calculus III
MAT 196	Calculus A
MAT 296	Calculus B

## Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		
BUS 315	Global and Cultural Development	38
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	
<i>Global Sustainability Elective - One chosen from the list below: **</i>		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
HTM 200	Introduction to Sustainable Development	

\* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

\*\* Or other approved Global Sustainability elective.

## Economics Courses (15 credit hours)

Code	Title	Credit Hours
<b>Required</b>		
ECO 301	Intermediate Microeconomic Theory	15
ECO 302	Intermediate Macroeconomic Theory	
ECO 350	Economic and Business Statistics II	
or STA 301	Statistical Methods	
ECO 498	Seminar in Economics	
<i>Select 3 credits of Economics Electives Courses at the 300 level</i>		

## Electives

Electives sufficient to complete 120 total credit hours required for degree.

## Advising

A Plan of Study for the Economics B.S. degree should be developed in consultation with a Bryan Undergraduate Student Services Advisor (<https://bryan.uncg.edu/current-students/advising>). It is strongly encouraged for students to meet with an advisor at least once per academic term. Economics faculty are also available to discuss ECO course sequencing, elective decisions, preparation for economics graduate programs, or career discussions. Students may contact the Department of Economics by telephone at 336-256-1010 or email [economics@uncg.edu](mailto:economics@uncg.edu) to make arrangements to speak with a department faculty member.

The Economics major requires the application of Calculus in upper-level economics courses (e.g. ECO 301). Students should plan to complete a minimum level of MAT 120 or MAT 191 course work by the end of their junior year in order to meet the prerequisites of the program's core curriculum. For this reason, it is highly recommended to begin mathematics courses early in your academic career and to continue to build on this quantitative skill set. Introductory-level economics courses may be taken as early as the first semester.

## Program Required Economics Course Work

Code	Title	Credit Hours
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I (prereq MAT 115 or higher)	
ECO 300	The International Economy	
ECO 301	Intermediate Microeconomic Theory (prereq ECO 201; MAT 120 or MAT 191)	
ECO 302	Intermediate Macroeconomic Theory (prereq ECO 202)	
ECO 350	Economic and Business Statistics II	
or STA 301	Statistical Methods	
ECO 498	Seminar in Economics (capstone course, prereq: ECO 301; ECO 302; ECO 350 OR STA 301 )	

Select an additional 3 credits of Economics electives at the 300 level

## Graduate Program Preparation

Students planning to extend their studies to a graduate program (such as the Masters in Applied Economics offered at UNC Greensboro) should select economics elective course work to better prepare for graduate studies: ECO 319 and ECO 355 Econometrics. Additional upper-level mathematics courses can be highly beneficial when preparing for graduate studies in economics.

## Disciplinary Honors in Economics

### Requirements

- A minimum of 15 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 6 credits of honors course work in the major</b>	<b>6</b>	
<b>Select 3 credits of honors course work in the major or another area</b>	<b>3</b>	

### Recognition

Receive a Certificate of Disciplinary Honors in Economics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

For more information on Disciplinary Honors in Economics, students are encouraged to contact the department honors liaison, Jeremy Bray at [jwbray@uncg.edu](mailto:jwbray@uncg.edu)

To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

Note: Graduate course work completed for the Accelerated Master's Program and counted towards undergraduate degree requirements may also be counted towards Disciplinary Honors requirements.

## Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) and the M.A. in Applied Economics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required.

Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Bachelor's to Graduate Degree Program Petition to the Graduate School and must simultaneously apply for admission to the M.A. in Applied Economics (form is located within the online application to the M.A. in Applied Economics program).

### Courses

Admitted students may apply 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program must be approved by the Graduate Program Director, must be specified on the Graduate Degree Program Petition, and must be chosen from among the following required courses in the M.A. in Applied Economics curriculum:

Code	Title	Credit Hours
Select four courses (12 credits) from the following:		
ECO 625	Data Methods in Economics	
ECO 630	Introduction to Cost Effectiveness	
ECO 631	Applied Policy Methods	
ECO 637	Empirical Health Economics	
ECO 657	Managerial Economics	
ECO 664	Time Series and Forecasting	
ISM 645	Principles of Predictive Analytics	

Graduate courses counted for the Accelerated Master's Program should be selected in consultation with the Graduate Program Director. Please consult with an undergraduate adviser to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Applied Economics remain the same.

## Economics Undergraduate Minor

An economics minor provides a background in the discipline without the depth or breadth of a major and is particularly appropriate for students whose majors are business administration, finance, geography, history, marketing, mathematics, psychology, political science, sociology, statistics, or for students doing interdisciplinary study in the social sciences.

### Admission to the Minor

For admission to the Minor, please see Bryan Undergraduate Student Services, located in Bryan 137.

Requesting a minor can be completed online: <https://bryan.uncg.edu/current-students/forms/request-a-change-of-major-or-minor/>

## Program Requirements

- Minimum of 18 credit hours

Code	Title	Credit Hours
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
<i>Select an additional 9 credits of Economics at the 300 level or above</i>		

## Applied Economics, M.A.

The M.A. in Applied Economics is designed for students who seek careers in business, finance, or government as economists, forecasters, policy analysts, economic researchers, or managers with strong quantitative skills. The program is structured to develop the theoretical, quantitative, and statistical skills that are required to perform and interpret economic analyses on a wide range of policy-oriented issues. Excellent training is also provided for students who wish to enter the Ph.D. program at UNC Greensboro or to pursue additional graduate education at other institutions.

Course work for the 30-33 credit-hour degree combines core knowledge of economic theory and econometrics, specialized applied research methods, advanced electives, and a capstone seminar focused on the

development of applied empirical research skills based on the integration of microeconomic theory and econometrics.

### Student Learning Outcomes

- Microeconomic Theory.
  - Students will apply microeconomic theory to the analysis of economics issues.
- Macroeconomic Theory.
  - Students will apply macroeconomic theory to the analysis of economics issues.
- Econometrics.
  - Students will apply econometric procedures in the empirical analysis of economic issues.
- Prepare Data for Economic Analysis.
  - Manage, clean, and use data sets to construct descriptive, graphical, and statistical representations of economic phenomena.
  - Diagnose and identify data issues.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Admission to the program requires a completed baccalaureate degree with an earned cumulative GPA of 3.0 or higher OR acceptable scores in the GRE or GMAT standardized tests OR the completion of one or more economics post-baccalaureate certificates awarded from UNC Greensboro.

## Degree Program Requirements

**Required:** 30-33 credit hours

Code	Title	Credit Hours
<b>Core Knowledge Requirement (12 credits)</b>		
ECO 641	Microeconomics I	4
ECO 643	Econometric Methods	4
ECO 646	Macroeconomics	4
<b>Advanced Theory Requirement (6 credits)</b>		
ECO 625	Data Methods in Economics	3
ECO 631	Applied Policy Methods	3
<b>Electives (12-15 credits)</b>		
Select four to five courses (12-15 credits) from the following: *		12-15
ECO 613	Directed Studies in Economics II	
ECO 630	Introduction to Cost Effectiveness	
ECO 637	Empirical Health Economics	
ECO 657	Managerial Economics	
ECO 664	Time Series and Forecasting	
ECO 691	Economics Internship	
ISM 645	Principles of Predictive Analytics	

### Capstone Experience Requirement

Complete an e-Portfolio of significant assignments and final projects

**Total Credit Hours** **30-33**

\* Electives may be earned with 600- or 700-level economics courses or with graduate courses taken outside the department. Electives not listed above must be approved by the Director of Graduate Studies.

### e-Portfolio

As a requirement for graduation, each student must successfully complete an e-Portfolio of significant assignments and final projects. The e-Portfolio demonstrates a student's cumulative program knowledge and fulfills the capstone requirement of the program. This body of work can be shared with prospective employers to help students distinguish themselves in the job market. Students must receive approval of their e-Portfolio from the Director of Graduate Studies in order to meet the graduation requirement.

A student may apply course work from a certificate program toward a graduate degree at UNC Greensboro with the approval of the department offering the degree and the Graduate School.

## Accelerated B.A. or B.S. to M.A. in Applied Economics

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) and the M.A. in Applied Economics program. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required.

Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Bachelor's to Graduate Degree Program Petition to the Graduate School and must simultaneously apply for admission to the M.A. in Applied Economics (form is located within the online application to the M.A. in Applied Economics program).

### Courses

Admitted students may apply 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program must be approved by the Graduate Program Director, must be specified on the Graduate Degree Program Petition, and must be chosen from among the following required courses in the M.A. in Applied Economics curriculum:

Code	Title	Credit Hours
Select four courses (12 credits) from the following:		
ECO 625	Data Methods in Economics	12
ECO 630	Introduction to Cost Effectiveness	
ECO 631	Applied Policy Methods	
ECO 637	Empirical Health Economics	
ECO 657	Managerial Economics	
ECO 664	Time Series and Forecasting	
ISM 645	Principles of Predictive Analytics	

Graduate courses counted for the Accelerated Master's Program should be selected in consultation with the Graduate Program Director. Please consult with an undergraduate adviser to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A. in Applied Economics remain the same.

## Economics, Ph.D.

The Ph.D. in Economics is offered to superior applicants who hold a bachelor's or a master's degree in economics and seek careers in academic departments that focus on public policy and applied microeconomics, in nonacademic research organizations, in business and financial institutions, and in agencies of federal, state and local governments. The program is structured to develop the theoretical, quantitative, and statistical skills that are required to perform and interpret economic analyses on a wide range of policy-oriented issues. Our doctoral program is specifically designed to train students in the fields of labor, health, and public economics (including the economics of education, science and technology policy, urban economics, and resource and environmental economics).

The degree requires 45-72 credit hours.

### Student Learning Outcomes

- **Economic Theory.** Students will display a mastery of microeconomic theory in the mathematical analysis of individual choice behavior and social interaction equilibria.
- **Econometrics.** Students will demonstrate the properties of common econometric procedures and apply those procedures to the analysis of economic data.
- **Integration of Economic Theory and Econometrics.** Students will integrate economic theory and econometric methods in the critical analysis of empirical economic issues.
- **Explain Advanced Economic Analysis.** Organize and integrate critical analyses of technical economic literature suitable for professional economists.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Admission to the program requires the submission of a completed application including Graduate Record Examination (GRE) test scores and an undergraduate degree with the following course work:

- Intermediate Microeconomics
- Intermediate Macroeconomics
- Mathematical Economics (or equivalent course work in mathematics and statistics)
- Econometrics (or equivalent course work in mathematics and statistics)

Admission to the program may also be granted to applicants with equivalent course work at the master's level. Prior master's course work in economics may be considered to waive some program course requirements and allow accelerated study. At minimum, the program will consist of 45 credit hours and may take up to 72 total credit hours if the prior degree does not fully cover these course requirements.

## Degree Program Requirements

**Required:** 45-72 credit hours

Code	Title	Credit Hours
<b>Core Knowledge Courses (0-15 credits)</b>		
ECO 701	Microeconomics I	0-15

ECO 702	Macroeconomics	
ECO 705	Econometric Methods	
ECO 728	Research Methods in Applied Economics I	
<b>Advanced Theory and Methodology (9 credits)</b>		
ECO 742	Advanced Microeconomic Theory	3
ECO 745	Advanced Econometric Theory	3
ECO 748	Research Methods in Applied Economics II	3
<b>Empirical Field Courses (12-18 credits)</b>		
Select four to six courses (12-18 credits) from the following:		12-18
ECO 730	Introduction to Cost Effectiveness	
ECO 731	Applied Policy Methods	
ECO 734	Public Policies Toward Innovation	
ECO 735	Labor Economics <sup>3</sup>	
ECO 736	Public Economics <sup>3</sup>	
ECO 737	Empirical Health Economics <sup>3</sup>	
ECO 738	Topics in Economics <sup>3</sup>	
ECO 739	Independent Field Course <sup>3</sup>	
ECO 747	Time Series	
ECO 749	Economics Internship	
ECO 750X	Experimental Course <sup>3</sup>	
<b>Supervised Independent Field Research (12 credits)</b>		
ECO 797	Seminar in Empirical Economics	6
ECO 798	Seminar in Economic Research	6
<b>Dissertation Research (12-18 credits)</b>		
ECO 799	Dissertation	12-18
<b>Total Credit Hours</b>		<b>45-72</b>

<sup>1</sup> As indicated by the student's master's transcript.

<sup>2</sup> Eighteen credit hours of field studies will be required unless otherwise specifically approved by the Doctoral Advisory Committee and Graduate Program Director.

<sup>3</sup> Which may be repeated for credit if estimation methods are introduced in the context of non-overlapping economic applications and/or students are introduced to different methodological approaches of estimating time series models.

## Required Milestones\*

- **Residency (Immersion)** – Doctoral students in the on-campus program are expected to satisfy a residence requirement, which provides them the opportunity for an extended period of intensive study and intellectual and professional development among a community of scholars. The basic requirement is two consecutive semesters (minimum of 6 credits per semester) of graduate course work (excluding independent study and dissertation hours) on the Greensboro campus after admission to a doctoral program. The online Ph.D. program requires three campus visits. The first is to take place prior to a student's first semester. The purpose of the second visit is to take the qualifying exams and to meet with the dissertation committee to agree on a plan of study. The third and final visit can be the proposal defense, the dissertation defense, or a second in-person meeting with the committee at another time. University requirements aside, a critical aspect of the graduate experience is participation in events beyond the course work requirements. Graduate students are expected to attend professional conferences, seminars, lectures, and Brown Bags, and participate in professional development activities sponsored by the Department, the Bryan School, or the Graduate

School. Economics graduate students are highly encouraged to present and/or publish their research.

- **Qualifying Exams** – In addition to the course requirements, doctoral students must pass two Ph.D. qualifying examinations. These examinations take place typically after the first year of doctoral studies following the completion of the advanced theory course work and will focus on a student's comprehensive knowledge in the areas of economic theory and econometrics, respectively. Students are required to pass both examinations in order to retain placement in the doctoral program. Students who do not pass either or both examination(s) may retake the failed examination(s) one time.
- **Advisory/Dissertation Committee** – Students must form an Advisory/Dissertation Committee before the end of their first year. The committee (minimum of three members) must be formalized with the Graduate School. The Committee Chair will serve as the student's primary advisor and mentor throughout their dissertation.
- **Research Competency** – Work on the dissertation proposal takes place in supervised research seminars under the guidance and supervision of the student's Advisory/Dissertation Committee: ECO 797 Seminar in Empirical Economics and ECO 798 Seminar in Economic Research. The preliminary written and oral examination takes place after submission of the dissertation proposal and is expected to occur by the end of the semester in which the student completes the ECO 798 requirement.
- **Plan of Study** – The Graduate School requires students to file a plan of study outlining all the courses they will take or have taken to meet the requirements of your graduate degree. Graduate students are expected to file a preliminary plan of study with the Graduate School no later than the semester in which they complete 18 credits of graduate study. This preliminary plan is completed by the student in consultation with the Director of Graduate Study and must be approved by the student's dissertation committee chair and members.
- **Written Dissertation Proposal and Written Part of the Comprehensive Examination** – The student will prepare a written Dissertation Proposal and submit that written proposal to their dissertation committee. Following that submission, the written part of the Comprehensive Examination is scheduled and prepared by the dissertation advisor with the assistance of the dissertation committee. Questions may cover any aspect of the course work taken by the student during the period of this graduate study or any subject logically related and basic to an understanding of the subject matter of the major area of study. Any transferred course work is subject to examination at the time of the comprehensive examination.
- **Oral Part of the Comprehensive Examination and Oral Presentation of the Dissertation Proposal** – The oral part of the Comprehensive Examination should be scheduled within one month following the written part of the Comprehensive Examination, and the entire dissertation committee must participate. The oral part of the comprehensive Examination will consist of an oral presentation of the dissertation proposal and a discussion in which the student responds to questions posed by the dissertation committee and which occurs after the oral presentation of the dissertation proposal. The content of these questions is at the discretion of the dissertation committee.
- **Assessment** – After the oral part of the Comprehensive Examination has concluded, the dissertation committee meets privately to evaluate the dissertation proposal, the written part of the Comprehensive Examination, and the oral part of the Comprehensive Examination. The committee then decides whether the student

has passed without conditions, passed conditionally, or failed the preliminary examination. The student is then informed of the result.

- **Admission to Candidacy** – A minimum of 12 credits will be devoted to research that culminates in the preparation of the required doctoral dissertation.
  - Before registering for dissertation credit (ECO 799 Dissertation), Ph.D. students should be admitted to candidacy by the Graduate School. To make formal application for admission to candidacy, the student must have completed all major required courses, have passed their qualifying examinations, have submitted a dissertation proposal that has been approved by their advisory/dissertation committee, and have passed both the written and oral parts of their Comprehensive Examination.
  - After being admitted to candidacy for the doctoral degree, the candidate must prepare and present a dissertation that reflects an independent investigation of an economic topic that is acceptable in form and content to the students Advisory/Dissertation Committee and the Graduate School.
- **Dissertation Defense** – Doctoral candidates will successfully pass an oral examination of their independent dissertation study to members of their doctoral committee. The defense must be formally scheduled with the Graduate School at least two weeks in advance. The defense is open to all members of the University community who may wish to attend, as required by state laws on public meetings. However, the deliberations of the Dissertation Committee are private.
- **Filing the Final Approved Dissertation** – The Graduate School requires electronic dissertation submission. The dissertation must be filed in compliance with Graduate School policies and guidelines for acceptable formatting and deadlines. The Graduate School dissertation templates should be used to mitigate errors or delays.
- **Job Market Paper** – Along with the process of preparing and defending a dissertation, graduating Ph.D. students are expected as an integral part of the dissertation process to prepare a job market paper in preparation for job interviews. Doctoral students planning to participate in the market are expected to have a completed market-ready paper and presentation prepared no later than September of the preceding year.

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\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Economics of Health Analytics, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in the Economics of Health Analytics is designed for individuals currently working in health care fields as well as those considering such work who are interested in learning how to analyze health care issues from an economic perspective. The certificate focuses on health policy, health econometrics, analytics, and data skills. Students learn to manage and use data to evaluate new health care policies, technologies and programs with cutting edge statistical tools.

The P.B.C. is composed of four courses that can be completed in as little as two semesters. Admission in either the fall or the spring semester is possible.

Completion of the P.B.C. in Economics of Health Analytics allows the GMAT/GRE admission requirement for the Masters of Arts in Applied Economics to be waived; courses completed as part of the certificate program may count toward completion of the M.A. subject to the Graduate School policy on time limits for master's degrees.

Students may pursue a post-baccalaureate certificate concurrently with a master's degree in Applied Economics. Courses taken as part of the certificate program may also satisfy degree requirements subject to Graduate School policy. Certificates function similarly to a cognate, which is course work organized around a narrow subfield. Certificates provide master's students with the ability to earn enhanced credentials. Enrolled master's students do not have to pay the application fee to pursue a concurrent certificate.

### **Student Learning Outcomes**

- Policy analysis in health economics.
  - Identify and characterize policy issues in health and healthcare.
  - Use economic theory to analyze policy issues in health and healthcare.
- Use economic theory to analyze policy issues in health and healthcare.
  - Manage, clean, and use data sets to construct descriptive, graphical, and statistical representations of economic phenomena.
  - Diagnose and identify data issues.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## **Certificate Program Requirements**

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
ECO 625	Data Methods in Economics	3
ECO 631/731	Applied Policy Methods *	3
ECO 630/730	Introduction to Cost Effectiveness *	3
ECO 637/737	Empirical Health Economics *	3
<b>Total Credit Hours</b>		<b>12</b>

\* Courses taken at the 700 level must be approved by the Graduate Program Director.

### **e-Portfolio**

As a requirement for completion of the certificate, each student must successfully complete an e-Portfolio of significant assignments and final projects. The e-Portfolio demonstrates a student's cumulative program knowledge and fulfills the capstone requirement of the program. This body of work can be shared with prospective employers to help students distinguish themselves in the job market. Students must receive approval of their e-Portfolio from the Graduate Program Director in order to meet the graduation requirement.

## **Quantitative Business Economics, Post-Baccalaureate Certificate**

The Post-Baccalaureate Certificate in Quantitative Business Economics is designed for individuals interested in developing broad perspectives on the use of economics in evaluating business decision making. The certificate delivers high-demand skills such as time series and forecasting, managerial economics, policy evaluation, and the ability to develop and evaluate the models used for stress testing.

The P.B.C. in Quantitative Business Economics is composed of four courses that can be completed in as little as two semesters. Admission in either the fall or the spring semester is possible.

Completion of the P.B.C. in Quantitative Business Economics allows the GMAT/GRE admission requirement for the Masters of Arts in Applied Economics to be waived; courses completed as part of the certificate program may count toward completion of the M.A. subject to the Graduate School policy on time limits for master's degrees.

Students may pursue a post-baccalaureate certificate concurrently with a master's degree in Applied Economics. Courses taken as part of the certificate program may also satisfy degree requirements subject to Graduate School policy. Certificates function similarly to a cognate, which is course work organized around a narrow subfield. Certificates provide master's students with the ability to earn enhanced credentials. Enrolled master's students do not have to pay the application fee to pursue a concurrent certificate.

### **Student Learning Outcomes**

- **Microeconomic Theory.** Students will apply microeconomic theory to business decision making.
- **Prepare Data for Economic Analysis.** Manage, clean, and use data sets to construct descriptive, graphical, and statistical representations of economic phenomena. Diagnose and identify data issues.
- **Econometrics.** Students will apply time series econometric procedures in the empirical analysis of economic issues.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## **Certificate Program Requirements**

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
ECO 625	Data Methods in Economics	3
ECO 657	Managerial Economics	3
ECO 663	Predictive Data Mining	3
ECO 664	Time Series and Forecasting	3
<b>Total Credit Hours</b>		<b>12</b>

### **e-Portfolio**

As a requirement for completion of the certificate, each student must successfully complete an e-Portfolio of significant assignments and final projects. The e-Portfolio demonstrates a student's cumulative program knowledge and fulfills the capstone requirement of the program. This

body of work can be shared with prospective employers to help students distinguish themselves in the job market. Students must receive approval of their e-Portfolio from the Graduate Program Director in order to meet the graduation requirement.

# Information Systems and Supply Chain Management

Bryan School of Business and Economics

479 Bryan Building  
336-334-5666  
<http://bryan.uncg.edu/isscm> (<http://bryan.uncg.edu/isscm/>)

Vidyaranya B. Gargeya, Head of Department

## Mission

Our mission is to integrate quality instruction in information systems and supply chain management with relevant research and professional services. This integration will help students develop an appropriate background and critical skills needed to function effectively in a global, technology-driven environment. We strive to fulfill this mission as an integral part of the Bryan School of Business and Economics and in support of its mission and purposes. Our chief goal is to provide top-tier information systems and supply chain management programs in North Carolina as assessed by employers of our graduates.

Programs offered by the department include study of information technology and supply chain analysis applied to business operations and management decision making. Career opportunities are excellent for quality graduates of either of the concentrations. All students in departmental programs gain extensive experience using networked computer systems and contemporary applications software.

The department assists professional student development, and assists students with career planning. Students with appropriate academic records are encouraged to seek an internship as juniors or seniors.

## Student Learning Goals

The primary Learning Goal for both the Information Systems and Supply Chain Management concentrations is to prepare students to utilize various information technologies and tools and deliver enhanced business productivity.

The following Learning Objectives have been endorsed by the faculty to guide the development, evaluation, and continuous improvement of the ISSC undergraduate degree program. The first two objectives are common to both concentrations, and these are followed by two more objectives for the IS concentration and two more for the SCM concentration.

- Students will be skilled in the application of appropriate end-user computing tools to enhance productivity.
- Students can model business data requirements and utilize relational database technology.

Students concentrating in Information Systems will be able to:

- Employ a systems approach and a system development method to understand business problems.
- Design and develop business software applications.

Students concentrating in Supply Chain Management will be able to:

- Apply process analysis to document supply chain management components and propose improvements.

- Apply appropriate methods and techniques to analyze and solve supply chain management problems.

## Admission and Repeat Policies

Admission to the ISSC Department requires a minimum cumulative GPA of 2.0.

Requirements in future years may be higher depending upon departmental capacity and student demand. If enrollments threaten program quality, students' registration in upper level courses will be based upon their cumulative GPAs. Information about current ISM admission requirements and policies is available in Rooms 479 and 137 in the Bryan Building.

### Professor

Joy Bhadury  
Lakshmi Sundaram Iyer  
Hamid R. Nemati<sup>G</sup>  
Prashant Palvia, *Joe Rosenthal Excellence Professor*<sup>G</sup>  
Kefeng Xu

### Associate Professor

Indika Dissanayake<sup>G</sup>  
Nikhil Mehta<sup>G</sup>  
A. F. Salam<sup>G</sup>  
Rahul Singh<sup>G</sup>

### Assistant Professor

Moez Farokhniahamedani  
Vashkar Ghosh<sup>G</sup>  
Onyi Nwafor<sup>G</sup>  
Franck Loic Soh Noume<sup>G</sup>

### Lecturer

Mary Catherine Chauvin  
Samuel Jack Chinnis<sup>G</sup>  
Anita Kumari Luthra  
Anita Van McCoy  
Apoorva Patipati Ramesh  
Karen C. Pentz  
Robert B Smith  
Xiaoyang Wu

### G Graduate-level faculty

- Information Systems and Supply Chain Management, B.S. (p. 589)
- Information Technology Undergraduate Minor (p. 591)
- Information Technology and Management, M.S. (p. 591)
- Information Systems, Ph.D. (p. 594)
- Information Systems, Doctoral Minor (p. 595)
- Business Analytics, Post-Baccalaureate Certificate (p. 595)
- Cyber Security, Post-Baccalaureate Certificate (p. 596)
- Enterprise Resource Planning, Post-Baccalaureate Certificate (p. 596)
- Information Technology Development, Post-Baccalaureate Certificate (p. 596)
- Information Technology Management, Post-Baccalaureate Certificate (p. 597)
- Supply Chain Management, Post-Baccalaureate Certificate (p. 597)

## Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 571).

## Information Systems and Supply Chain Management, B.S.

**The Information Systems and Supply Chain Management, B.S. major is available in a traditional as well as an online format.**

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Grade of C or higher in ISM 110
- A cumulative GPA of at least 2.0
- For Business Analytics concentration, grades of C or better in ISM 210, ISM 218, and ISM 240.
- For Cyber Security concentration, grades of C or better in ISM 201, ISM 218, and ISM 240.
- For Information Systems concentration, grades of C or better in ISM 218, ISM 240, ISM 280, and ISM 301.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

### Major Requirements

#### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission **and** Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	

ISM 280 Information Systems for Decision Making

*Select one of the following:*

ENG 101 Exploring Writing in College Contexts

FMS 115 Freshman Seminar in Reasoning and Discourse: Written Communication

RCO 101 College Writing I

*Completion of one of the following:*

MAT 115 College Algebra

MAT 118 Algebra with Business Applications

MAT 120 Calculus with Business Applications

MAT 150 Precalculus I

MAT 151 Precalculus II

MAT 190 Precalculus

MAT 183 Mathematics for the Life Sciences

MAT 184 Calculus for the Life Sciences

MAT 191 Calculus I

MAT 292 Calculus II

MAT 293 Calculus III

MAT 196 Calculus A

MAT 296 Calculus B

### Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	
<i>Global Sustainability Elective - One chosen from the list below: **</i>		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
HTM 200	Introduction to Sustainable Development	

\* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

**\*\* Or other approved Global Sustainability elective.**

## Information Systems and Supply Chain Management Courses

Code	Title	Credit Hours
<b>Required</b>		<b>9</b>
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	
SCM 302	Operations Management	

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Business Analytics
- Cyber Security
- Information Systems
- Supply Chain Management

## Electives

Electives sufficient to complete 120 total credit hours required for the degree.

### Business Analytics Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
ISM 210	Principles of Business Analytics	
ISM 218	Database Systems	
ISM 240	Business Programming I	
ISM 425	Business Analytics	
ISM 452	Design of Management Information Systems	

*Select one of the following:*

ISM 310	Business Programming II
ISM 328	Blockchain Technology Applications and Management
ISM 411	Undergraduate Internship in Information Systems
ISM 498	Independent Study
ISM 499	Problems in Information Systems and Supply Chain Management
SCM 260	Essentials of Enterprise Resource Planning (ERP)

### Cyber Security Concentration Requirement

Code	Title	Credit Hours
<b>Required</b>		<b>21</b>
ISM 201	Essentials of Cyber Security	
ISM 218	Database Systems	
ISM 240	Business Programming I	
ISM 324	Secure Networked Systems	
ISM 326	Ethical Hacking	
ISM 452	Design of Management Information Systems	

*Select one of the following:*

ISM 310	Business Programming II
ISM 411	Undergraduate Internship in Information Systems
ISM 425	Business Analytics
ISM 498	Independent Study
ISM 499	Problems in Information Systems and Supply Chain Management
SCM 260	Essentials of Enterprise Resource Planning (ERP)

### Information Systems Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>21</b>
ISM 201	Essentials of Cyber Security	
ISM 218	Database Systems	
ISM 240	Business Programming I	
ISM 301	Systems and Process Analysis	
ISM 310	Business Programming II	
ISM 452	Design of Management Information Systems	

*Select one of the following:*

ISM 324	Secure Networked Systems
ISM 328	Blockchain Technology Applications and Management
ISM 326	Ethical Hacking
ISM 411	Undergraduate Internship in Information Systems
ISM 425	Business Analytics
ISM 498	Independent Study
ISM 499	Problems in Information Systems and Supply Chain Management
SCM 260	Essentials of Enterprise Resource Planning (ERP)

### Supply Chain Management Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
SCM 206	Logistics and Transportation Management	
SCM 304	Managing and Organizing Projects	
SCM 402	Logistics and Supply Chain Management	
SCM 432	Supply Chain Management Project	
<i>Select 6 credits from the following: *</i>		
CRS 363	Global Sourcing of Apparel and Related Consumer Products	
HTM 313	Revenue Management	
ISM 210	Principles of Business Analytics	
ISM 218	Database Systems	
ISM 425	Business Analytics	
SCM 260	Essentials of Enterprise Resource Planning (ERP)	
SCM 411	Undergraduate Internship in Supply Chain Management	
SCM 498	Independent Study	
SCM 499	Problems in Supply Chain Management	

\* Or other approved electives.

## Disciplinary Honors in Information Systems and Supply Chain Management

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Information Systems and Supply Chain Management; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Gurpreet Dhillon at [gsdhillo@uncg.edu](mailto:gsdhillo@uncg.edu) for further information and guidance about Honors in Information Systems and Supply Chain Management. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Accelerated B.S. to M.S. in Information Technology and Management

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Information Systems and Supply Chain Management may apply for admission to the Accelerated Master's Program (AMP) and the M.S. in Information Technology and Management. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE or GMAT entrance exam. All applicants must complete the Accelerated Master's Program information when applying for admission to the M.S. in Information Technology and Management.

### Courses

Admitted students may apply a maximum of 12 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Information Technology and Management:

Code	Title	Credit Hours
ISM 646	Visualizing Data to Design Strategy	3
ISM 665	Principles of Cyber Security	3
ISM 671	Organizing Data for Analytics	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3

ISM/SCM 678	Project Management for Dynamic Environments	3
SCM 650	Principles of Supply Chain Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3

Only four of the above seven courses will be specified on a student's AMP application after consultation with the Graduate Program Director. Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Information Technology and Management remain the same.

## Information Technology Undergraduate Minor

The Information Technology minor is available to any UNC Greensboro student (other than ISSC majors) who is in good standing in the University. The minor complements a variety of professional and arts and sciences fields. It focuses on various IT tools and applications and the use of these technologies to improve decision-making in a variety of professional environments.

### Admissions and Policies

Students can submit a minor application online here (<https://bryan.uncg.edu/current-students/forms/request-a-change-of-major-or-minor/>) or you can visit our Bryan Student Services Office, Room 137 Bryan Building.

### Program Requirements

- Minimum of 15 credit hours, 9 of which must be successfully completed at UNC Greensboro.
- A minimum grade of C (2.0) in all courses used toward the completion of the minor.

Code	Title	Credit Hours
<b>Required</b>		
ISM 110	Foundations for Analytics using Spreadsheets*	9
ISM 116	Web Design and Development	
ISM 210	Principles of Business Analytics	
<b>Select two of the following:</b>		
ISM 201	Essentials of Cyber Security	6
ISM 218	Database Systems	
ISM 280	Information Systems for Decision Making	
ISM 324	Secure Networked Systems	
SCM 304	Managing and Organizing Projects	

\* Or an equivalent.

## Information Technology and Management, M.S.

The M.S. in Information Technology and Management (MSITM) program focuses on both information technology and the management of information technology resources. The program combines technological and managerial components to train graduates who can deal effectively with the variety and complexity of issues involved in applying information

technology successfully within organizations. The MSITM program seeks to extend both the knowledge of students and their ability to effectively utilize their knowledge in a collaborative work environment.

The curriculum is designed to be flexible and dynamic and provides state-of-the-art exposure to both information technology and management practices. The program places an emphasis on problem solving activities, multi-functional group decision making, and communication skills. In addition to technology and business studies, all students will be required to demonstrate acceptable competence in communication and presentation skills, interpersonal skills, teamwork skills, and problem-solving capabilities.

Students in the MSITM program have the option to specialize in one of three concentrations in Business Analytics, Cyber Security, Enterprise Resource Planning, or Supply Chain Management. Depending on the business and information technology background the student possesses, the length of the program will vary. A student can complete the program in 18 to 24 months, depending on the individual student's background and course load.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants are encouraged to submit a resume and a personal statement. Applicants should consult the ISSCM Graduate Program Director for specific admission requirements.

GMAT or GRE scores are required.

GMAT waivers are considered but are not automatic. To be considered for a GMAT waiver, an application needs to be submitted to the MSITM Admissions Committee or to the Graduate Program Director. The applicant must provide all necessary documentation that verifies that she/he meets applicable criteria as listed below. The MSITM Admissions Committee decision shall be made on a case-by-case basis using the following criteria and is at the sole discretion of the Admissions Committee:

- To be eligible for a GMAT waiver based on military experience, the applicant must have at least 3 years full-time O-3 or higher or E-7 or higher-level experience AND an undergraduate degree with a minimum cumulative undergraduate GPA of 3.0 or higher from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC).
- To be eligible for a GMAT waiver based on work experience, the applicant must have at least five years of full-time IT or management experience that includes significant budgetary or leadership responsibility and an undergraduate degree with a minimum cumulative undergraduate GPA of 3.0 or higher from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC).

and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC).

- An applicant with a terminal/professional degree such as M.D., J.D., Ed.D., Ph.D., or D.B.A. may request to waive the GMAT/GRE requirement if the applicant has a minimum GPA of 3.0 for these graduate degrees.
- To be eligible for a GMAT waiver based on past graduate academic qualification, the applicant must have a Masters degree from an accredited institution AND a minimum cumulative Graduate GPA of 3.0 or higher.
- To be eligible for a GMAT waiver based on academic performance in any of the completed graduate certificates offered by the ISSCM Department at UNCG, the applicant must have an undergraduate degree with a minimum cumulative undergraduate GPA of 3.0 or higher from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC) AND must have completed ONE or more ISSCM graduate certificates with a minimum cumulative Graduate GPA of 3.0 or higher AND must have applied for admission to the MSITM degree program within 5 years of completion of the first ISSCM graduate certificate.

## Degree Program Requirements

**Required:** 30-36 credit hours

Depending on the business background the student possesses, the length of the program will be 30-36 credit hours. Incoming students will take the Master of Science in Information Technology and Management (MSITM) core curriculum. Students also have the option to specialize in one of four concentrations in Business Analytics, Cyber Security, Enterprise Resource Planning, or Supply Chain Management. MSITM thesis option is offered.

Code	Title	Credit Hours
<b>Foundational IT Knowledge (0-6 credits)</b>		
	Select 0-6 credits of courses that provide foundational knowledge in information technology as directed by the program director <sup>1</sup>	
<b>Core Courses (12 credits)</b>		
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3
ISM/SCM 678	Project Management for Dynamic Environments	3
<b>Elective Courses (12 credits)</b>		
	Select 12 credits from the following or other approved graduate-level courses: <sup>2</sup>	12
ISM 635	Principles of Enterprise Resource Planning using SAP	
ISM 645	Principles of Predictive Analytics	
ISM 646	Visualizing Data to Design Strategy	
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	

ISM 665	Principles of Cyber Security	
ISM 666	Blockchains and Cryptography	
ISM 667	Global Cyber Threat Analysis	
ISM 668	Enterprise and IT Risk Management	
ISM 670	IT Driven Disruptive Innovation Management	
ISM 677	Information Systems Management	
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
<b>Capstone Experience (6 credits)</b>		
Select one option from the following:		6
<i>Non-Thesis Option (6 credits)</i>		
ISM/SCM 678	Project Management for Dynamic Environments	
Select one additional elective course (3 credits) <sup>3</sup>		
<i>Thesis Option (6 credits)</i>		
ISM 699	Thesis	
<b>Total Credit Hours</b>		<b>30-36</b>

ISM 668	Enterprise and IT Risk Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
<b>Total Credit Hours</b>		<b>9</b>

## Supply Chain Management Concentration

Code	Title	Credit Hours
<b>Concentration Courses (9 credits)</b>		
SCM 650	Principles of Supply Chain Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3
<b>Total Credit Hours</b>		<b>9</b>

## Graduate Certificates

Students also have the option to earn one or more graduate Post-Baccalaureate Certificates in Business Analytics, Cyber Security, and Supply Chain Management areas by completing 12 credits which includes 9 core credits in the certificate area and 3 credits in an elective. Students electing to earn a post-baccalaureate certificate must apply separately to Graduate School through the application process for the certificate program of choice and should consult with their advisor or the ISSCM Graduate Program Director for additional information. Elective course credits earned in the MSITM core and concentrations may count towards the certificates and vice versa.

Information about the post-baccalaureate certificates core and elective courses can be found on the pages for each certificate:

Business Analytics, Post-Baccalaureate Certificate (p. 595)  
 Cyber Security, Post-Baccalaureate Certificate (p. 596)  
 Supply Chain Management, Post-Baccalaureate Certificate (p. 597)

## Accelerated B.S. to M.S. in Information Technology and Management Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Information Systems and Supply Chain Management may apply for admission to the Accelerated Master's Program (AMP) and the M.S. in Information Technology and Management. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take the GRE or GMAT entrance exam. All applicants must complete the Accelerated Master's Program information when applying for admission to the M.S. in Information Technology and Management.

## Courses

Admitted students may apply a maximum of 12 credits from the following graduate-level courses toward completion of both the undergraduate and graduate degree provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements of the M.S. in Information Technology and Management:

## Business Analytics Concentration

Code	Title	Credit Hours
<b>Concentration Courses (9 credits)</b>		
ISM 645	Principles of Predictive Analytics	3
ISM 646	Visualizing Data to Design Strategy	3
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	3
<b>Total Credit Hours</b>		<b>9</b>

## Cyber Security Concentration

Code	Title	Credit Hours
<b>Concentration Courses (9 credits)</b>		
ISM 665	Principles of Cyber Security	3
ISM 666	Blockchains and Cryptography	3
ISM 667	Global Cyber Threat Analysis	3
<b>Total Credit Hours</b>		<b>9</b>

## Enterprise Resource Planning Concentration

Code	Title	Credit Hours
<b>Concentration Courses (9 credits)</b>		
ISM 635	Principles of Enterprise Resource Planning using SAP	3

Code	Title	Credit Hours	Students with no business background must take at least three of these four courses: * <i>In consultation with the Ph.D. Program Director.</i>
ISM 646	Visualizing Data to Design Strategy	3	MBA 702 Financial and Managerial Accounting
ISM 665	Principles of Cyber Security	3	MBA 706 Marketing Management
ISM 671	Organizing Data for Analytics	3	MBA 708 Operations for Competitive Advantage
ISM 673	Designing Secure Computer and IoT Networks for Business	3	MBA 709 (COURSE INACTIVE)
ISM/SCM 678	Project Management for Dynamic Environments	3	
SCM 650	Principles of Supply Chain Management	3	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3	

Only four of the above seven courses will be specified on a student's AMP application after consultation with the Graduate Program Director. Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Information Technology and Management remain the same.

## Information Systems, Ph.D.

The Ph.D. in Information Systems requires 71 credit hours and is an innovative research degree program designed to prepare professionals and research scholars of the highest quality for careers in academic information systems units and other organizations. The program enhances the traditional Ph.D. program with four distinctive elements: commitment to practical relevance, emphasis on producing quality teachers, research apprenticeship, and interdisciplinary research.

The program is primarily for full-time students and is available to students with master's degrees in appropriate areas such as business, computer science, public administration, engineering, or the social sciences.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a one-page personal statement and a resume. Applicants should consult the Ph.D. Program Director for specific admission requirements.

Students without a master's degree in business will need to take additional courses to establish an understanding of business processes.

## Degree Program Requirements

**Required:** 71 credit hours

### Leveling Courses/Prerequisites

Code	Title	Credit Hours
<b>To be taken as needed to remedy deficiencies: *</b>		
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
ISM 677	Information Systems Management	

Code	Title	Credit Hours
<b>Core Courses (21 credits)</b>		
ISM 760	Contemporary Research Methods in Information Systems	3
ISM 785	Theories of Information Systems	3
ISM 786	Principles of Scientific Inquiry in Information Systems Research	3
ISM 788	Seminar in IS Research Methods	3
<b>Select three courses (9 credits) from the following:</b>		
ISM 753	Information Systems Research Seminar I	
ISM 754	Information Systems Research Seminar II	
ISM 755	Information Systems Research Seminar III	
ISM 756	Information Systems Research Seminar IV	
<b>IS Teaching Education (4-7 credits)</b>		
Select 4-7 credits *		4-7
<b>IS Research Seminars (7-8 credits)</b>		
Select a minimum of 7 credits **		7-8
<b>Knowledge Area (9 credits)</b>		
Select 9 credits, possible courses include: *		9
ISM 701	Predictive Analytics in Information Systems Research	
ISM 702	Data Visualization for Information Systems Research	
ISM 704	Cyber Security Principles in Information Systems Research	
ISM 706	Global Cyber Threats and Risk Management	
ISM 707	Information Technology Driven Disruptive Innovations	
ISM 703	Cognitive Computing and Artificial Intelligence in Information Systems Research	
ISM 705	Blockchains and Cryptography in Information Systems Research	
<b>Research Methodology (12 credits)</b>		
Select 12 credits, possible courses include: *		12
ELC 664	Introduction to Qualitative Inquiry: A Social Justice Approach	
ERM 682	Multivariate Analysis	
ERM 731	Structural Equation Modeling in Education	
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I	
STA 662	Advanced Statistics in the Behavioral and Biological Sciences II	
STA 671	Multivariate Analysis	

<b>Dissertation (18-24 credits)</b>		
ISM 799	Dissertation	18-24
<b>Total Credit Hours</b>	<b>71</b>	

- \* Chosen in consultation with the Ph.D. Program Director. Courses in other departments may be taken with the approval of the advisor.
- \*\* Taken throughout the program.

## Organizational Research Internship

Required of students lacking relevant work experience, as determined by the Ph.D. Program Director.

## Research Apprenticeship

Two papers must be submitted for publication in conference proceedings or journals prior to taking written comprehensive examinations.

## Comprehensive Written Examination

Upon completion of the required course work and research apprenticeship, the student will be eligible to sit for written comprehensive examinations. The major examination will have two parts:

- The first part will be composed of IS content from various courses and existing literature.
- The second part will be designed to evaluate the research readiness of the student.

Typically, the major examination is given in the Fall semester. If the student fails at the first attempt, a second attempt may be allowed by the Ph.D. Program Director.

## Oral Examination

Following the successful completion of the written comprehensive examination, the student will be given an oral examination by the doctoral Advisory/Dissertation Committee. Upon successful completion of the oral examination, the student may apply for doctoral candidacy.

## Proposal Defense

Following the oral examination, the student will prepare a dissertation proposal that will be defended before the doctoral Advisory/Dissertation Committee. The defense may be attended by others outside the committee.

## Dissertation

A minimum of 18 credits will be devoted to research that culminates in the preparation of the required doctoral dissertation.

# Information Systems, Doctoral Minor Minor Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Select four courses (12 credits) from the following:</b>		
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	12
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	

ISM 673	Designing Secure Computer and IoT Networks for Business
ISM 677	Information Systems Management
<b>Total Credit Hours</b>	<b>12</b>

The Program Director's permission is required for taking 700 level courses.

# Business Analytics, Post-Baccalaureate Certificate

The Department of Information Systems and Supply Chain Management offers an online Post-Baccalaureate Certificate in Business Analytics. The certificate program consists of a minimum of 12 credit hours but may not exceed 15 credit hours. It delivers state-of-the-art knowledge and skills in models, methods, tools, and techniques in business analytics.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
ISM 645	Principles of Predictive Analytics	3
ISM 646	Visualizing Data to Design Strategy	3
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	3
<b>Elective Course (3 credits)</b>		
Select one course (3 credits) from the following: *		3
ISM 665	Principles of Cyber Security	
ISM 666	Blockchains and Cryptography	
ISM 667	Global Cyber Threat Analysis	
ISM 670	IT Driven Disruptive Innovation Management	
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
ISM 677	Information Systems Management	
ISM 678	Project Management for Dynamic Environments	
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
<b>Total Credit Hours</b>	<b>12</b>	

\* Or other approved courses in consultation with the Graduate Program Director.

## Cyber Security, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Cyber Security consists of a minimum of 12 credit hours. It is intended for professionals with a bachelor's degree in any field from an accredited institution who are interested in gaining state-of-the-art knowledge and skills in the application of information security and privacy to solve organizational problems. The program offers an innovative and relevant educational opportunity that reflects the changing information security and privacy environment of the 21st Century by incorporating the latest thinking and best practices in the field with a solid foundation in theory and proven principles. Additionally, the program provides knowledge and skills on all aspects of information security and privacy technologies, tools, methodologies, and management.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
ISM 665	Principles of Cyber Security	3
ISM 666	Blockchains and Cryptography	3
ISM 667	Global Cyber Threat Analysis	3
<b>Elective Course (3 credits)</b>		
Select one course (3 credits) from the following: *		3
ISM 645	Principles of Predictive Analytics	
ISM 646	Visualizing Data to Design Strategy	
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	
ISM 670	IT Driven Disruptive Innovation Management	
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
ISM 677	Information Systems Management	
ISM 678	Project Management for Dynamic Environments	
SCM 650	Principles of Supply Chain Management	
SCM 651	Analytics for Logistics and Distribution Management	
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	
<b>Total Credit Hours</b>		<b>12</b>

\* Or other approved courses in consultation with the Graduate Program Director.

## Enterprise Resource Planning, Post-Baccalaureate Certificate

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Students must have a bachelor's degree with a minimum cumulative GPA of 3.0 or above from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC), Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC).

Admissions exams are not required.

## Certificate Program Requirements

**Required:** 12 credit hours

The Post-Baccalaureate Certificate in Enterprise Resource Planning offers theories and concepts in Enterprise Resource Planning (ERP) and their applications using SAP. It will explore state-of-the-art methods in successful integration of ERP systems into enterprise architectures.

Students must complete the following three required courses and one elective course, with a minimum cumulative GPA of 3.0 or higher, in order to earn the certificate:

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
ISM 635	Principles of Enterprise Resource Planning using SAP	3
SCM 650	Principles of Supply Chain Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
<b>Elective Course (3 credits)</b>		
Select one course (3 credits) from the following:		3
ISM 670	IT Driven Disruptive Innovation Management	
ISM 677	Information Systems Management	
ISM/SCM 678	Project Management for Dynamic Environments	
<b>Total Credit Hours</b>		<b>12</b>

## Information Technology Development, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Information Technology Development consists of 12 credit hours. It is intended for professionals who have a bachelor's degree in any field from an accredited institution and are interested in gaining state-of-the-art knowledge and skills in the application of information technology to solve organizational problems.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
ISM 671	Organizing Data for Analytics	3
ISM 672	App Design and Programming	3
ISM 673	Designing Secure Computer and IoT Networks for Business	3
<b>Electives (3 credits)</b>		
Select one course (3 credits) from the following: *		3
ISM 645	Principles of Predictive Analytics	
ISM 670	IT Driven Disruptive Innovation Management	
<b>Total Credit Hours</b>		<b>12</b>

\* Or other approved courses.

## Information Technology Management, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Information Technology Management offers information systems management and IT-driven disruptive innovation theories and concepts and their application in solving organizational and business problems.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
ISM 670	IT Driven Disruptive Innovation Management	3
ISM 677	Information Systems Management	3
ISM/SCM 678	Project Management for Dynamic Environments	3
<b>Electives (3 credits)</b>		
Select one course (3 credits) from the following: *		3
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
ISM 673	Designing Secure Computer and IoT Networks for Business	
<b>Total Credit Hours</b>		<b>12</b>

\* Or other approved courses.

## Supply Chain Management, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Supply Chain Management consists of a minimum of 12 credit hours. It provides state-of-the-art

knowledge and skills in the operation and management of supply chain and logistics systems and the use of various technologies to improve the performance of these business systems.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
SCM 650	Principles of Supply Chain Management	3
SCM 651	Analytics for Logistics and Distribution Management	3
SCM 652	Strategic Cost, Procurement, and Supply Chain Finance	3
<b>Elective Course (3 credits)</b>		
Select one course (3 credits) from the following: *		3
ISM 645	Principles of Predictive Analytics	
ISM 646	Visualizing Data to Design Strategy	
ISM 647	Artificial Intelligence and Machine Learning Applications for Business	
ISM 665	Principles of Cyber Security	
ISM 666	Blockchains and Cryptography	
ISM 667	Global Cyber Threat Analysis	
ISM 670	IT Driven Disruptive Innovation Management	
ISM 671	Organizing Data for Analytics	
ISM 672	App Design and Programming	
<b>Total Credit Hours</b>		<b>12</b>

\* Or other approved courses in consultation with the Graduate Program Director.

# Management

*Bryan School of Business and Economics*

366 Bryan Building  
336-334-5691  
<http://bryan.uncg.edu/mgt> (<http://bryan.uncg.edu/mgt/>)

**Moses Acquaah**, *Department Head*  
**Aichia Chuang**, *Graduate Program Director*

## Mission

The mission of the Department of Management is to support the mission of the Bryan School, primarily through the imparting of knowledge through instructional programs and secondarily through the creation of knowledge through basic and applied research. A third priority is to provide service through involvement in university, professional and community activities.

The Department of Management offers two majors that lead to the Bachelor of Science degree: Business Administration and International Business Studies. The Business Administration major is comprised of three concentrations: Business Studies, Human Resources, and Management.

## Business Administration Major

The objective of the Business Administration major is to provide liberally educated students with a broad exposure to the functional areas of business and a more comprehensive understanding of one of the managerial specialties through a choice of a concentration:

- **Business Studies** is most appropriate for those who want a broad business exposure without the need to concentrate specifically in only one functional area. (A student can complete the Business Studies concentration by careful planning of the Career Profile.)
- **Human Resources** focuses on skills and knowledge needed by the professional human resources manager: job analysis, recruiting, screening, selection, training and development, performance appraisal, job evaluation, and salary administration.
- **Management** focuses on courses in the management area with courses in leadership, organizational behavior, human resources, decision-making, cross cultural management, and strategy. The concentration is designed for students that want a more focused education on issues and problems faced by those involved in business management.

## International Business Studies Major

The International Business Studies major is distinctive in the Bryan School by requiring experiences and competence in areas such as language and study abroad that are not required in other business programs. The need to understand other cultures, societies, and economies is met by requiring/recommending more in liberal education and related areas than is required in General Education requirements for other business programs.

### Professor

Moses Acquaah<sup>G</sup>  
Ai-Chia Chuang<sup>G</sup>  
Nir B. Kshetri<sup>G</sup>  
Riikka M. Sarala<sup>G</sup>

Vasyl Taras<sup>G</sup>

### Associate Professor

Arran James Caza<sup>G</sup>  
Brianna B Caza<sup>G</sup>  
Vladislav Maksimov<sup>G</sup>  
Jun Yang<sup>G</sup>

### Assistant Professor

Soheil Hooshangi<sup>G</sup>  
Dishi Hu  
Yonghong Liu<sup>G</sup>  
Mark R Mallon<sup>G</sup>  
Jason Reed Pierce<sup>G</sup>  
Marketa Rickley<sup>G</sup>  
Madelynn Raissa Dawn Stackhouse<sup>G</sup>

### Senior Lecturer

Michael A. Beitler<sup>G</sup>  
Eloise McCain Hassell

### Lecturer

Sherry Felicia Abernathy  
Aprille N Black<sup>G</sup>  
Lisa Gibson Blevins  
Charles Robin Britt  
John Joseph Ceneviva<sup>G</sup>  
Terri Lynne Cummings  
Zac Andrew Engle  
David Allen Jackson  
Thad Thad Lewallen  
Nicole Joy Manzano  
Eric Joseph Melniczek  
Peyton Clark Merriam  
Lisa J Morrison  
Michele McGlinchey Morrissey  
Lasse Samuel Palomaki  
Njyhalo Cedar Pavati  
Jennifer M Rauchut  
Richard Alvin Rorrer  
Ronnie Rogers Shaffer  
Neil N Shoffner  
Stephen John Swetoha  
Lizzy Brinton Tahsuda  
Susan Lynn Terrell  
Christopher Michael Wainscott  
Lascel A. Webley  
Leslie M Welch  
Rimi Zakaria

*G Graduate-level faculty*

- Business Administration, B.S. (p. 599)
- International Business Studies, B.S. (p. 601)
- International Business, M.S. (p. 603)
- Business Administration, Ph.D. (p. 604)
- Global Leadership and Strategy, Post-Baccalaureate Certificate (p. 604)

## Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 571).

## Business Administration, B.S.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0
- Grades of C or better in courses used to meet concentration requirements
- Courses used for General Education Requirements (Minerva's Academic Curriculum) cannot be used to satisfy the 21 credits requirements for the major. (This includes courses such as PHI 261.)
- Business Administration- Business Studies concentration and Entrepreneurship double majors, only ENT 300/BUS 300 and ENT 336/BUS 336 courses will count for both majors.
- Business Administration- Business Studies concentration and Entrepreneurship minors, only ENT 300/BUS 300 and ENT 336/BUS 336 courses will count for both major and minor.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro.

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

### Major Requirements

#### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission **and** Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	

ISM 280 Information Systems for Decision Making

Select one of the following:

ENG 101 Exploring Writing in College Contexts

FMS 115 Freshman Seminar in Reasoning and Discourse: Written Communication

RCO 101 College Writing I

Completion of one of the following:

MAT 115 College Algebra

MAT 118 Algebra with Business Applications

MAT 120 Calculus with Business Applications

MAT 150 Precalculus I

MAT 151 Precalculus II

MAT 190 Precalculus

MAT 183 Mathematics for the Life Sciences

MAT 184 Calculus for the Life Sciences

MAT 191 Calculus I

MAT 292 Calculus II

MAT 293 Calculus III

MAT 196 Calculus A

MAT 296 Calculus B

### Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	
<i>Global Sustainability Elective - One chosen from the list below: **</i>		
ECO 100	Economics of a Global Sustainable Society	
BUS 130	Entrepreneurship in a Sustainable Global Environment	
LLC 120	Global Crossings: Topics in Images, Media, and Texts	
LLC 130	Global Green: Cultures of Production and/or Consumption	
HTM 200	Introduction to Sustainable Development	

\* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

**\*\* Or other approved Global Sustainability elective.**

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Business Studies
- Online Business Studies
- Human Resources
- Management

## Electives

Electives sufficient to complete 120 total credit hours required for the degree.

### Business Studies Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
MGT 375	Management Process Skills	3
<b>Business Courses</b>		
Select 9 credits with a prefix of BUS, ENT, MGT, or MKT.*		
<b>Career Profile Courses</b>		
Select an additional 9 credits with academic advisor.*		

\* *BUS 115, BUS 215, BUS 216, BUS 315, and BUS 415 cannot be used as part of these 9 credit hours.*

### Online Business Studies Concentration Requirements

#### Additional University Admission Requirements for Online Business Studies Concentration

- Completion of 30 credits or more of transferable college credit from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, Higher Learning Commission (HLC), Middle States Commission on Higher Education (MSCHE), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and WASC Senior College and University Commission (WSCUC).
- Minimum overall and transferable GPA of 2.0 as calculated by UNC Greensboro
- Eligible to return to last institution attended

Code	Title	Credit Hours
<b>Required</b>		
MGT 375	Management Process Skills	3
<b>Business Courses</b>		
Select 9 credits with a prefix of BUS, ENT, MGT, or MKT.*		
<b>Career Profile Courses</b>		
Select an additional 9 credits with academic advisor.*		

### Human Resources Concentration Requirements

- The Human Resources Concentration is available in a **traditional as well as an online format.**

Code	Title	Credit Hours
<b>Required</b>		
MGT 315	Recruitment and Selection in Organizations	18
MGT 319	Compensation and Benefits Management	
MGT 354	Diversity and Inclusion in Organizations	
MGT 475	Employment and Human Resource Law	
<i>Select two of the following:</i>		
BUS 328	Organizational Leadership	
BUS 450	Directed Business Practice	
MGT 313	Human Resource Management	
MGT 314	Industrial and Organizational Psychology	
MGT 317	Training and Development in Organizations	
MGT 318	Organizational Change and Development	
MGT 375	Management Process Skills	
MGT 414	Human Resource Information Systems	
MGT 493	Honors Work	
MGT 499	Problems in Management	

### Management Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
BUS 328	Organizational Leadership	12
MGT 300	Management of Organizations	
MGT 354	Diversity and Inclusion in Organizations	
MGT 403	Decision Making in Organizations	
<b>Select two of the following:</b>		
BUS 450	Directed Business Practice	6
BUS 493	Honors Work	
MGT 302	International Business: Operations and Environments in Foreign Jurisdictions	
MGT 303	Experience Business Abroad	
MGT 304	Current Issues in International Business	
MGT 313	Human Resource Management	
MGT 314	Industrial and Organizational Psychology	
MGT 318	Organizational Change and Development	
MGT 375	Management Process Skills	
MGT 400	Cybersecurity Management	
MGT 475	Employment and Human Resource Law	
MGT 493	Honors Work	
MGT 499	Problems in Management	

Disciplinary Honors in Management

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

- A minimum grade of B in all course work applicable to Disciplinary Honors in Management.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Senior Honors Project</b>		
	<i>Select one course from the following:</i>	3-6
MGT 493	Honors Work	
BUS 493	Honors Work	
HSS 490	Senior Honors Project *	
<b>Select 6-9 credits of Honors course work in the major</b>		6-9
<b>Select 0-3 credits of other Honors course work</b>		0-3

\* Department of Management students are allowed to complete their Senior Honors (to count inside the major) by registering for their Senior Honors project as MGT 493/ BUS 493, (or if they have completed all their major requirements they can choose to take it as HSS 490).

### Recognition

Receive a Certificate of Disciplinary Honors in Management; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

See Eloise McCain Hassell for further information and guidance about Disciplinary Honors in Management. To apply: Disciplinary Honors Application ([https://docs.google.com/a/uncg.edu/forms/d/e/1FAIpQLSeqbpv-Y0g43D9ukl\\_18v8GfK0unzGNkPQY-W0eaemcpf7SVA/viewform/](https://docs.google.com/a/uncg.edu/forms/d/e/1FAIpQLSeqbpv-Y0g43D9ukl_18v8GfK0unzGNkPQY-W0eaemcpf7SVA/viewform/)).

## International Business Studies, B.S.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0.
- Minimum grade of C in all courses used to meet major requirements.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro.

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

### Major Requirements

#### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission **and** Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HMTT, or MKTG.

Code	Title	Credit Hours
<b>Required</b>		
BUS 115	Blueprint for Personal Development	
& BUS 215	and Blueprint for Professional Development	
or BUS 216	Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	
<i>Select one of the following:</i>		
ENG 101	Exploring Writing in College Contexts	
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication	
RCO 101	College Writing I	
<i>Completion of one of the following:</i>		
MAT 115	College Algebra	
MAT 118	Algebra with Business Applications	
MAT 120	Calculus with Business Applications	
MAT 150	Precalculus I	
MAT 151	Precalculus II	
MAT 190	Precalculus	
MAT 183	Mathematics for the Life Sciences	
MAT 184	Calculus for the Life Sciences	
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 196	Calculus A	
MAT 296	Calculus B	

### Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		
BUS 315	Global and Cultural Development	38
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	

SCM 302	Operations Management
<i>Global Sustainability Elective - One chosen from the list below: **</i>	
ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
HTM 200	Introduction to Sustainable Development

- \* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.  
 \*\* Or other approved Global Sustainability elective.

## Major Course Work

- Minimum grade of C in all courses used to meet major requirements.

Code	Title	Credit Hours
<b>Foreign Language *</b>		
	Completion of 6 credits in a foreign language at the intermediate level (203-204 level) or above.	6
<b>Global Experiences **</b>		3
MGT 303	Experience Business Abroad	
<b>Required Course Work</b>		
MGT 302	International Business: Operations and Environments in Foreign Jurisdictions	
MGT 304	Current Issues in International Business	
<b>Electives within the Major<sup>1</sup></b>		
Select 9 credits from the following:		
BUS 328	Organizational Leadership	
BUS 342	International Entrepreneurship	
ENT 328	Sales Leadership	
ENT 403	Entrepreneurial Marketing	
FIN 330	Financial Institutions and Markets	
FIN 410	Business Finance II	
FIN 442	Investments	
MGT 313	Human Resource Management	
MGT 314	Industrial and Organizational Psychology	
MGT 315	Recruitment and Selection in Organizations	
MGT 317	Training and Development in Organizations	
MGT 354	Diversity and Inclusion in Organizations	
MGT 375	Management Process Skills	
MGT 475	Employment and Human Resource Law	
MGT 493	Honors Work	
MKT 326	Introduction to Retailing	
MKT 328	Sales Leadership	
MKT 403	Entrepreneurial Marketing	
MKT 421	Promotion Management in Esports	
MKT 422	Fundamentals of Marketing Research	
MKT 424	Consumer Behavior	
MKT 426	International Marketing	

MKT 493	Honors Work
SCM 402	Logistics and Supply Chain Management

\* Non-native speakers of English may be exempted from the foreign language requirements upon approval from the department. The department may require the student to demonstrate evidence of fluency in the native language. Students that have lived and studied abroad may be exempt from the study abroad requirement upon approval from the department. The approval will depend on the length of the time abroad and the significance of the educational activities.

\*\* MGT 303, one semester of study abroad, other approved electives, or short-term study abroad programs.

<sup>1</sup> 9 credits at the 300-level and above selected from the courses below or 300-level and above courses with the LLC prefix or other electives approved by Bryan School Undergraduate Student Services or approved by the faculty advisor.

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Disciplinary Honors in Management Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- A minimum grade of B in all course work applicable to Disciplinary Honors in Management.

Code	Title	Credit Hours
<b>Senior Honors Project</b>		
	Select one course from the following:	3-6
MGT 493	Honors Work	
BUS 493	Honors Work	
HSS 490	Senior Honors Project *	
<b>Select 6-9 credits of Honors course work in the major</b>		6-9
<b>Select 0-3 credits of other Honors course work</b>		0-3

\* Department of Management students are allowed to complete their Senior Honors (to count inside the major) by registering for their Senior Honors project as MGT 493/ BUS 493, (or if they have completed all their major requirements they can choose to take it as HSS 490).

## Recognition

Receive a Certificate of Disciplinary Honors in Management; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

## Honors Advisor

See Eloise McCain Hassell for further information and guidance about Disciplinary Honors in Management. To apply: Disciplinary Honors Application ([https://docs.google.com/a/uncg.edu/forms/d/e/1FAIpQLSeqbpv-Y0g43D9ukL\\_18v8GfK0unzGNkPQY-W0eaemcpf7SVA/viewform/](https://docs.google.com/a/uncg.edu/forms/d/e/1FAIpQLSeqbpv-Y0g43D9ukL_18v8GfK0unzGNkPQY-W0eaemcpf7SVA/viewform/)).

# International Business, M.S.

The Bryan School of Business and Economics offers a graduate program of study leading to a Master of Science degree in International Business. The program is only available online but is offered on a part-time or full-time basis. A minimum of 30 credit hours must be completed to earn the degree.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Applicants should have a bachelor's degree from an accredited university.

In addition to the application materials required by the Graduate School, applicants must submit the following:

- One official transcript from all previous academic institutions.
- A personal statement describing their motivation to pursue a M.S. in International Business degree.
- A resume.
- Three letters of recommendation.
- Language proficiency test results for non-native English speakers.
- GMAT/GRE score is optional.

The M.S. in International Business program is designed for qualified students from any academic background. Students are admitted to the program on a rolling basis in Fall and Spring semesters of each academic year. Full-time spring admission requires approval by the Program Director.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Courses (21 credits)</b>		
BUS 614 or MBA 716	Leadership in the International Environment Leadership	3
BUS 615	Global Business	3
BUS 617	International Strategy	3
BUS 618	International Collaboration Project I	3
BUS 622	Cross-Cultural Management	3
BUS 627	Global Human Resource Management	3
BUS 628	Global Sustainability Management	3
<b>Elective Courses (9 credits)</b>		
Select 9 credits from the following:		9
BUS 616 or MBA 750	International Business Negotiations Negotiations for Management	
BUS 624	Global Workforce Performance Management	
BUS 625	Training and Development of Human Resources	
BUS 626	Managing Employee and Organizational Development	
BUS 695	Special Topics in International Business	
MBA 703	Managerial Economics	
MBA 717	Innovation	
MBA 733	International Marketing Management	
MBA 745	Experience Business Abroad	

ACC 688	Advanced Business Law
ISM 667	Global Cyber Threat Analysis
ISM 670	IT Driven Disruptive Innovation Management
SCM 650	Principles of Supply Chain Management
SCM/ISM 678	Project Management for Dynamic Environments

<b>Total Credit Hours</b>	<b>30</b>
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## Human Resources Concentration

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
BUS 624	Global Workforce Performance Management	3
BUS 625	Training and Development of Human Resources	3
BUS 626	Managing Employee and Organizational Development	3
<b>Total Credit Hours</b>	<b>9</b>	

## Courses

Admitted students may apply up to, but not more than, 9 credits of graduate-level course work towards completion of both the undergraduate and the graduate degrees, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The following courses may be counted towards both the B.S. and the M.S. degrees:

Code	Title	Credit Hours
BUS 614 or MBA 716	Leadership in the International Environment Leadership	3
BUS 615	Global Business	3
BUS 617	International Strategy	3
BUS 625	Training and Development of Human Resources	3
BUS 626	Managing Employee and Organizational Development	3
BUS 627	Global Human Resource Management	3
BUS 628	Global Sustainability Management	3

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. A general guideline is:

- BUS 614 or MBA 716 fulfills requirements for BUS 328 Organizational Leadership
- BUS 615 fulfills requirements for MGT 301 Introduction to International Business
- BUS 617 fulfills requirements for MGT 491 Business Policy and Strategy
- BUS 625 fulfills requirements for MGT 317 Training and Development in Organizations
- BUS 626 fulfills requirements for MGT 318 Organizational Change and Development
- BUS 627 fulfills requirements for MGT 313 Human Resource Management
- BUS 628 fulfills requirements for the Global Sustainability Elective in the Common Business Core

All degree requirements for the Master of Science in International Business degree remain the same.

## Business Administration, Ph.D.

The Ph.D. in Business Administration is an innovative research program designed to prepare students for careers as faculty in academic institutions and as professionals in research organizations and government institutions. The program is intended for faculty members in business schools who do not have a Ph.D. but are interested in a research-based doctoral degree and individuals in government or industry who would like to transition to academia and are looking to enroll in a research-based doctoral program.

The program is cohort-based and requires a total of 54 credit hours to complete. Students are expected to complete the program in five years with three and a half years of course work. It is mandatory that students take two courses per semester so that they complete the core courses of the program in the first three years. The core course work includes major courses, basic field courses, and courses in research methods. Students will select one of the three areas in the program - international business, organizational behavior, and strategic management - to be their major area and another area to be their supporting area. The program is available to students with a master's degrees in a business field or related area such as economics, sociology, political science, psychology, or public administration.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Admission into the doctoral program in Business Administration is highly selective. At a minimum, applicants should possess a completed master's degree in a business field or related area with superior performance in graduate course work.

## Degree Program Requirements

**Required:** 54 credit hours

Code	Title	Credit Hours
<b>Research Methods (15 credits)</b>		
BUS 701	Doctoral Research Methods I (Quantitative Research Methods)	3
BUS 702	Doctoral Research Methods II (Qualitative Research Methods)	3
BUS 703	Doctoral Research Methods III (Applied Research Methods in Business)	3
BUS 705	Seminar in Academic Writing and Publishing	3
BUS 750	Doctoral Research Methods IV (Regression Models)	3
<b>Major Courses (12 credits)</b>		
BUS 720	Seminar in Organization Theory	3
BUS 721	Seminar in Organizational Behavior	3
BUS 730	Seminar in International Business Theory	3
BUS 740	Seminar in Strategic Management I	3
<b>Field Courses (12-18 credits)</b>		
BUS 722	Seminar in Organizational Leadership	3
BUS 731	Seminar in Cross-Cultural Management	3
BUS 741	Seminar in Strategic Management II	3

BUS 789	Advanced Topics in Management	3-9
<b>Supervised Directed Research (3-6 credits)</b>		
BUS 790	Doctoral Research Independent Study	3-6
<b>Dissertation (12-18 credits)</b>		
BUS 799	Dissertation	12-18
<b>Total Credit Hours</b>		<b>54</b>

## Required Milestones\*

- Residency (Immersion)
- Research Competency
- Plan of Study
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

The program handbook for the Ph.D. in Business Administration is available on the program's website at <https://bryan.uncg.edu/programs/phd/list/phd-in-business-administration/>.

## Global Leadership and Strategy, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Global Leadership and Strategy consists of 12 credit hours and is intended for professionals who have a bachelor's degree in any field from an accredited institution and are interested in an international business career or an opportunity to gain knowledge in leading and designing strategy in the international environment.

3 For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

3 An earned bachelor's degree from an accredited university.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
BUS 614	Leadership in the International Environment	3
BUS 615	Global Business	3
BUS 617	International Strategy	3
<b>Electives (3 credits)</b>		
Select one course (3 credits) from the following:		3
BUS 616	International Business Negotiations	
BUS 618	International Collaboration Project I	
BUS 622	Cross-Cultural Management	

BUS 628	Global Sustainability Management
BUS 695	Special Topics in International Business
MBA 717	Innovation
MBA 745	Experience Business Abroad
<b>Total Credit Hours</b>	<b>12</b>

# Marketing, Entrepreneurship, and Hospitality and Tourism

Bryan School of Business and Economics

441 Bryan Building  
336-334-3797  
<http://bryan.uncg.edu/meht> (<http://bryan.uncg.edu/meht/>)

**Merlyn Griffiths, Head of Department**

## Vision Statement

To be a leader in marketing, entrepreneurship, hospitality, tourism, and business communication education that is recognized for our innovative and dynamic curriculum and multidisciplinary faculty and scholarship.

## Mission

To create and disseminate knowledge through research, experiential education, and service, by: equipping students with relevant knowledge and skills to participate, communicate, and compete successfully in 21st century global society and economy; preparing students to use innovation to achieve the triple bottom line of economic viability (profit), social responsibility (people), and environmental protection (planet); preparing students to contribute positively to the betterment of society and the environment; helping to develop sustainable and innovative businesses; producing and disseminating high-quality scholarship that responds to timely and relevant social, cultural, economic, and environmental domains; and utilizing skills and expertise of faculty and students in collaboration with community partners for the benefit of UNC Greensboro, the Bryan School of Business and Economics (BSBE), entrepreneurs, marketing professionals, the tourism and hospitality sectors, and the economic, social, and environmental wellbeing of the local and global community.

## Entrepreneurship Major

The entrepreneurship major focuses on the skills necessary to start a business, grow a business, or enhance creativity and innovation in a corporate environment. These skills are necessary in today's competitive business world.

## Marketing Major

The Marketing major is concerned with the development and pricing of products, selection of distribution channels, and promotion of products to consumers and businesses. This major leads to careers in sales, sales management, advertising, and retailing as well as marketing management.

## Hospitality and Tourism Management Major

The Hospitality and Tourism Management major prepares students for a variety of management positions in the hotel, restaurant, meeting, travel, tourism, attractions, craft beverage, Esports and experience management fields. Students complete a set of courses that gives them a broad foundation in all areas of hospitality and tourism management.

### Professor

McRae Cave Banks, *Virginia Batte Phillips Distinguished Professor<sup>G</sup>*  
James Sanders Boles<sup>G</sup>  
Cheryl C Nakata, *Professor/Joseph M. Bryan Professor of Innovation<sup>G</sup>*

Dianne H.B. Welsh, *Charles A. Hayes Distinguished Professor of Entrepreneurship<sup>G</sup>*

### Associate Professor

Erick T. Byrd<sup>G</sup>  
Merlyn A. Griffiths<sup>G</sup>  
Jiyoung Hwang<sup>G</sup>  
Esra Memili<sup>G</sup>  
Harper A. Roehm<sup>G</sup>

### Assistant Professor

Chantell M LaPan

### Visiting Assistant Professor

Martha Lisa Troncoza

### Lecturer

Monti James Beasley  
Katharina Haynes Bethea  
Dianne R. Garrett<sup>G</sup>  
Nino Giaimo  
Jiangang Huang  
Channelle D. James<sup>G</sup>  
Sara Beth Macsween  
Marni A Schribman  
Michael Edward Sloan  
Helen Marlise Moody Taylor

### G Graduate-level faculty

- Entrepreneurship, B.S. (p. 606)
- Hospitality and Tourism Management, B.S. (p. 609)
- Marketing, B.S. (p. 611)
- Entrepreneurship Undergraduate Minor (p. 613)
- Professional Selling Undergraduate Minor (p. 615)

## Business Undergraduate Minor

The Bryan School of Business and Economics offers the Business Undergraduate Minor (p. 571).

## Entrepreneurship, B.S.

The Entrepreneurship major focuses on the skills necessary to start a business, grow a business, or enhance creativity and innovation in a corporate environment. These skills are necessary in today's competitive business world.

**The Entrepreneurship, B.S. major is available in a traditional as well as an online format.**

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0.
- Grades of C or better in courses used to meet major requirements.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission **and** Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development Blueprint for Personal and Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	

*Select one of the following:*

ENG 101	Exploring Writing in College Contexts
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication
RCO 101	College Writing I
<i>Completion of one of the following:</i>	
MAT 115	College Algebra
MAT 118	Algebra with Business Applications
MAT 120	Calculus with Business Applications
MAT 150	Precalculus I
MAT 151	Precalculus II
MAT 190	Precalculus
MAT 183	Mathematics for the Life Sciences
MAT 184	Calculus for the Life Sciences
MAT 191	Calculus I
MAT 292	Calculus II
MAT 293	Calculus III
MAT 196	Calculus A
MAT 296	Calculus B

## Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	*Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261	Ethical Issues in Business	
or PHI 262	Ethical Issues in Entrepreneurship	
SCM 302	Operations Management	

*Global Sustainability Elective - One chosen from the list below: \*\**

ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
HTM 200	Introduction to Sustainable Development

\* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.

\*\* Or other approved Global Sustainability elective.

## Entrepreneurship Courses

Code	Title	Credit Hours
<b>Core Courses</b>		<b>9</b>
<i>Completion of one of the following:</i>		
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis *	
ENT 335	Entrepreneurial Finance	
ENT 336	Opportunities to Action: Business Plan *	
<b>Profile Courses - Choose one of the following Profiles: **</b>		
<i>Creative Industries</i>		
ENT 201	Creativity, Innovation, and Vision	
ENT 202	Arts Admin and Entrepreneurship	
ENT 276	Creative Space: The Meeting of Art and Entrepreneurship	
ENT 321	Design Thinking and/or Entrepreneurial Thinking	
ENT 327	Writing for Professionals and Entrepreneurs	
ENT 376	Micro-Enterprise for Creatives	
ENT 394	Advanced Studio Practicum: Art and Entrepreneurship	
ENT 402	Entrepreneurship in the Performing Arts	

ENT 435	Entrprnrshp and Ind Press Publ	ENT 312	Economics of Technology
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists	ENT 324	Professional Selling *
ENT 486	Theatre Management and Entrepreneurship	ENT 327	Writing for Professionals and Entrepreneurs
ENT 498	Internship in Arts Administration and Entrepreneurship	ENT 328	Sales Leadership *
<i>Education</i>		ENT 337	Family Business
ENT 396	Transition Planning and School-Based Entrepreneurship	ENT 338	Global Franchising
CED 474	Contemporary Topics in Counseling	ENT 339	Entrepreneurial Leadership
<i>Family Business</i>		ENT 340	Social Entrepreneurship
ENT 337	Family Business	ENT 342	International Entrepreneurship
ENT 354	Restaurant Entrepreneurship	ENT 354	Restaurant Entrepreneurship
ENT 451	Service Management	ENT 394	Advanced Studio Practicum: Art and Entrepreneurship
ENT 473	Wine Appreciation for the Business Professional	ENT 376	Micro-Enterprise for Creatives
<i>Franchising</i>		ENT 396	Transition Planning and School-Based Entrepreneurship
ENT 338	Global Franchising	ENT 402	Entrepreneurship in the Performing Arts
<i>Health Care</i>		ENT 403	Entrepreneurial Marketing *
ENT 307	Global Health	ENT 410	Sustainable Urban Planning in an Entrepreneurial Environment
ENT 411	Silver Industries	ENT 411	Silver Industries
CED 474	Contemporary Topics in Counseling	ENT 427	Personal Selling Internship *
<i>International</i>		ENT 430	Rsrch Opprtnts ENT/Eco Dvlpmnt *
ENT 130	Entrepreneurship in a Sustainable Global Environment	ENT 435	Entrprnrshp and Ind Press Publ
ENT 338	Global Franchising	ENT 440	Experiences in Sustainable Entrepreneurship
ENT 342	International Entrepreneurship	ENT 450	Directed Business Practice
<i>Social</i>		ENT 451	Service Management
ENT 250	Purpose-Driven Entrepreneurship	ENT 455	Arts and Entrepreneurship: Career Strategies for Artists
ENT 340	Social Entrepreneurship	ENT 473	Wine Appreciation for the Business Professional
ENT 440	Experiences in Sustainable Entrepreneurship	CED 474	Contemporary Topics in Counseling
<i>Esports</i>		ENT 486	Theatre Management and Entrepreneurship
ENT 206	Start Something Globally Sustainable!	ENT 493	Honors Work in Entrepreneurship <sup>2</sup>
<i>Technology, Innovation, and Sciences</i>		ENT 498	Internship in Arts Administration and Entrepreneurship
ENT 309	Entrepreneurship in the Public Sector	ENT 499	Selected Topics in Entrepreneurship <sup>2</sup>
ENT 312	Economics of Technology		
ENT 410	Sustainable Urban Planning in an Entrepreneurial Environment		
ENT 430	Rsrch Opprtnts ENT/Eco Dvlpmnt *		
<b>Direct Electives <sup>1</sup></b>	<b>6</b>		
<i>Select at least 6 credits from the following:</i>			
ENT 130	Entrepreneurship in a Sustainable Global Environment	*	<ul style="list-style-type: none"><li>• <i>Entrepreneurship and Marketing double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: MKT 328/ENT 328, MKT 403/ENT 403, MKT 427/ENT 427, ENT 430/MKT 430/LIS 430/GES 430, or MKT 324/ENT 324.</i></li></ul>
ENT 201	Creativity, Innovation, and Vision		<ul style="list-style-type: none"><li>• <i>Entrepreneurship and Business Studies double majors, only the ENT 300/BUS 300 and ENT 336/BUS 336 courses will count for both majors.</i></li></ul>
ENT 202	Arts Admin and Entrepreneurship		
ENT 206	Start Something Globally Sustainable!		
ENT 240	Introduction to the Entrepreneurial Experience	**	<i>To qualify for a specific Profile, the student must complete a minimum of one 3 credit course in the Profile.</i>
ENT 276	Creative Space: The Meeting of Art and Entrepreneurship	1	<i>Course may not be repeated for elective credit if chosen as Profile course.</i>
ENT 250	Purpose-Driven Entrepreneurship	2	<i>In rare cases an Independent Study focused on entrepreneurial research or a special project may qualify with faculty approval.</i>
ENT 262	Ethical Issues in Entrepreneurship		
ENT 275	Entrepreneurial Personal Branding		
ENT 307	Global Health		
ENT 309	Entrepreneurship in the Public Sector		

## Electives

Electives sufficient to complete 120 total credit hours required for the degree.

## Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality and Tourism

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors coursework in the major</b>		<b>6</b>
<b>3 credits of Honors coursework in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality & Tourism; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Lori Mackowski at [lamackow@uncg.edu](mailto:lamackow@uncg.edu) for further information and guidance about Honors in Marketing, Entrepreneurship, and Hospitality & Tourism. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Hospitality and Tourism Management, B.S.

The Hospitality and Tourism Management major prepares students for a variety of management positions in the hotel, restaurant, meeting, travel, tourism, attractions, craft beverage, Esports and experience management fields. Students complete a set of courses that gives them a broad foundation in all areas of hospitality and tourism management.

The Hospitality and Tourism Management, B.S. is available in a **traditional as well as an online format**.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission and Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	
<i>Select one of the following:</i>		
ENG 101	Exploring Writing in College Contexts	
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication	
RCO 101	College Writing I	
<i>Completion of one of the following:</i>		
MAT 115	College Algebra	
MAT 118	Algebra with Business Applications	
MAT 120	Calculus with Business Applications	
MAT 150	Precalculus I	
MAT 151	Precalculus II	
MAT 190	Precalculus	
MAT 183	Mathematics for the Life Sciences	
MAT 184	Calculus for the Life Sciences	
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 196	Calculus A	
MAT 296	Calculus B	

## Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	

MKT 309	Business Communication & Innovation	HTM 312	Hospitality Facilities Management
MKT 320	Principles of Marketing	HTM 313	Revenue Management
PHI 261 or PHI 262	Ethical Issues in Business Ethical Issues in Entrepreneurship	HTM 332	Sustainable Destination and Experience Management
SCM 302	Operations Management	HTM 419	Independent Study in Hospitality, Tourism and Esports
<i>Global Sustainability Elective - One chosen from the list below: **</i>		HTM 427	Internship in Hospitality, Tourism and Esports Management
ECO 100	Economics of a Global Sustainable Society	HTM 451	Service Management
BUS 130	Entrepreneurship in a Sustainable Global Environment	HTM 488	Special Topic in Resorts and Entertainment Attractions
LLC 120	Global Crossings: Topics in Images, Media, and Texts	MKT 407	Sports Marketing
LLC 130	Global Green: Cultures of Production and/or Consumption	ENT 206	Start Something Globally Sustainable!
HTM 200	Introduction to Sustainable Development		

- \* *Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.*
- \*\* *Or other approved Global Sustainability elective.*

## Hospitality and Tourism Management Courses

Code	Title	Credit Hours
<b>Core Courses</b>		
HTM 250	Diversity and Equity in Hospitality, Tourism and Esports	6
HTM 491	Hospitality, Tourism and Esport Strategic Management	

*Hospitality and Tourism Management majors are required to work a total of 600 hours, paid or unpaid, in the tourism or hospitality industries.*

## Concentration

Students must select one of the concentrations as detailed following the major requirements.

- Esports Management
- Hospitality Travel & Tourism Management

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Esports Management Concentration Requirements

Code	Title	Credit Hours
<b>Required Courses</b>		
HTM 103	Introduction to Esports Management	9
HTM 433	Esports, Meeting and Event Tourism	
MKT 421	Promotion Management in Esports	
<b>Concentration Electives</b>		6
<i>Select 2 of the following courses:</i>		
HTM 102	Introduction to Hospitality and Tourism Management	
HTM 231	Tourism, Cultures, and Places	
HTM 310	Hotel Operations	

### Hospitality Travel & Tourism Management Concentration Requirements

Code	Title	Credit Hours
<b>Required Courses</b>		
HTM 102	Introduction to Hospitality and Tourism Management	9
HTM 310	Hotel Operations	
HTM 231	Tourism, Cultures, and Places (Core Courses)	
<b>Concentration Electives</b>		6
<i>Select 2 of the following courses:</i>		
HTM 103	Introduction to Esports Management	
HTM 312	Hospitality Facilities Management	
HTM 314	Sustainable Food and Craft Beverage	
HTM 332	Sustainable Destination and Experience Management	
HTM 335	Sustainable Tourism and Transportation	
HTM 338	Global Franchising	
HTM 364	Restaurant Entrepreneurship	
HTM 419	Independent Study in Hospitality, Tourism and Esports	
HTM 427	Internship in Hospitality, Tourism and Esports Management	
HTM 433	Esports, Meeting and Event Tourism	
HTM 451	Service Management	
HTM 474	Wine Appreciation for the Business Professional	
HTM 488	Special Topic in Resorts and Entertainment Attractions	
MKT 324	Professional Selling	
MKT 403	Entrepreneurial Marketing	
MKT 421	Promotion Management in Esports	

### Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality and Tourism Requirements

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors coursework in the major</b>		<b>6</b>
<b>3 credits of Honors coursework in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality & Tourism; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Lori Mackowski at [lamackow@uncg.edu](mailto:lamackow@uncg.edu) for further information and guidance about Honors in Marketing, Entrepreneurship, and Hospitality & Tourism. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Marketing, B.S.

The Marketing, B.S. major and all concentrations are available in traditional as well as online formats.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A cumulative GPA of at least 2.0.
- Grades of C or better in courses used to meet major requirements.
- Grade of C or better in: MKT 320
- Marketing and Entrepreneurship double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: MKT/ENT 328, MKT/ENT 403, MKT/ENT 427, ENT/MKT/LIS/GES 430, or MKT/ENT 324.
- At least 50 percent of the business semester hours required for the degree must be earned at UNC Greensboro.
- The Marketing, B.S. major and all concentrations are available in traditional as well as online formats.

### Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

### Major Requirements

#### Bryan School Pre-Admission Courses

Students should plan to complete the pre-admission courses by the end of the sophomore year, or as soon as possible thereafter.

Courses used to meet Bryan School Pre-Admission and Bryan School Common Business Core requirements cannot be used to fulfill major or concentration requirements in the following majors: ACCT, BADM, ECOS, ENTR, FINC, INTB, ISSC, HTMT, or MKTG.

See the Joseph M. Bryan School of Business and Economics for more information.

Code	Title	Credit Hours
<b>Required</b>		<b>29-30</b>
BUS 115 & BUS 215 or BUS 216	Blueprint for Personal Development and Blueprint for Professional Development	
ACC 201	Financial Accounting	
ACC 202	Managerial Accounting	
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
ECO 250	Economic and Business Statistics I	
ISM 110	Foundations for Analytics using Spreadsheets	
ISM 280	Information Systems for Decision Making	
<i>Select one of the following:</i>		
ENG 101	Exploring Writing in College Contexts	
FMS 115	Freshman Seminar in Reasoning and Discourse: Written Communication	
RCO 101	College Writing I	
<i>Completion of one of the following:</i>		
MAT 115	College Algebra	
MAT 118	Algebra with Business Applications	
MAT 120	Calculus with Business Applications	
MAT 150	Precalculus I	
MAT 151	Precalculus II	
MAT 190	Precalculus	
MAT 183	Mathematics for the Life Sciences	
MAT 184	Calculus for the Life Sciences	
MAT 191	Calculus I	
MAT 292	Calculus II	
MAT 293	Calculus III	
MAT 196	Calculus A	
MAT 296	Calculus B	

### Bryan School Common Business Core

Code	Title	Credit Hours
<b>Required</b>		<b>38</b>
BUS 315	Global and Cultural Development	
BUS 415	Leadership Development	
CST 105	Introduction to Communication Studies	
ECO 300	The International Economy	
FIN 315	Business Finance I	
MGT 301	Introduction to International Business	
MGT 312	Organizational Behavior	
MGT 330	The Legal Environment of Business	
MGT 491	Business Policy and Strategy *	
MKT 309	Business Communication & Innovation	
MKT 320	Principles of Marketing	
PHI 261 or PHI 262	Ethical Issues in Business	
	Ethical Issues in Entrepreneurship	

SCM 302	Operations Management
<i>Global Sustainability Elective - One chosen from the list below: **</i>	
ECO 100	Economics of a Global Sustainable Society
BUS 130	Entrepreneurship in a Sustainable Global Environment
LLC 120	Global Crossings: Topics in Images, Media, and Texts
LLC 130	Global Green: Cultures of Production and/or Consumption
HTM 200	Introduction to Sustainable Development

- \* Hospitality and Tourism Management majors are exempt from the MGT 491 requirement; a similar course, HTM 491, is taken within the major requirements.  
 \*\* Or other approved Global Sustainability elective.

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
MKT 424	Consumer Behavior	3

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Professional Selling
- Social Media Marketing
- Strategic Marketing

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Professional Selling Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
MKT 324	Professional Selling *	9
MKT 328	Sales Leadership *	
MKT 444	Effective Selling	
<b>Electives</b>		
<i>Select one from the following:</i>		
MKT 326	Introduction to Retailing	
MKT 330	Social Media Marketing	
MKT 403	Entrepreneurial Marketing *	
MKT 407	Sports Marketing	
MKT 421	Promotion Management in Esports	
MKT 422	Fundamentals of Marketing Research	
MKT 426	International Marketing	
MKT 427	Personal Selling Internship *,**	
MKT 429	Advanced Marketing Management	
MKT 440	Digital Marketing Analytics	

MKT 450 Marketing Internship \*\*

MKT 493 Honors Work

MKT 499 Independent Study in Marketing

\* Entrepreneurship and Marketing double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: MKT 324, MKT 328, MKT 403, and MKT 427.

\*\* Only one of the following internship courses may count as a Marketing major elective: MKT 427 or MKT 450.

## Social Media Marketing Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
MKT 330	Social Media Marketing	9
MKT 429	Advanced Marketing Management	
MKT 440	Digital Marketing Analytics	
<b>Electives</b>		
<i>Select one from the following:</i>		
MKT 324	Professional Selling *	
MKT 326	Introduction to Retailing	
MKT 328	Sales Leadership *	
MKT 403	Entrepreneurial Marketing *	
MKT 407	Sports Marketing	
MKT 421	Promotion Management in Esports	
MKT 422	Fundamentals of Marketing Research	
MKT 426	International Marketing	
MKT 427	Personal Selling Internship *,**	
MKT 444	Effective Selling	
MKT 450	Marketing Internship **	
MKT 493	Honors Work	
MKT 499	Independent Study in Marketing	

\* Entrepreneurship and Marketing double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: MKT 324, MKT 328, MKT 403, and MKT 427.

\*\* Only one of the following internship courses may count as a Marketing major elective: MKT 427 or MKT 450.

## Strategic Marketing Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
MKT 422	Fundamentals of Marketing Research	9
MKT 426	International Marketing	
MKT 429	Advanced Marketing Management	
<b>Electives</b>		
<i>Select one from the following:</i>		
MKT 324	Professional Selling *	
MKT 326	Introduction to Retailing	
MKT 328	Sales Leadership *	
MKT 330	Social Media Marketing	
MKT 403	Entrepreneurial Marketing *	

MKT 407	Sports Marketing
MKT 421	Promotion Management in Esports
MKT 427	Personal Selling Internship *,**
MKT 444	Effective Selling
MKT 440	Digital Marketing Analytics
MKT 450	Marketing Internship **
MKT 493	Honors Work
MKT 499	Independent Study in Marketing

\* Entrepreneurship and Marketing double majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both majors: MKT 324, MKT 328, MKT 403, and MKT 427.

\*\* Only one of the following internship courses may count as a Marketing major elective: MKT 427 or MKT 450.

## Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality and Tourism

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors coursework in the major</b>		6
<b>3 credits of Honors coursework in the major or another area</b>		3

### Recognition

Receive a Certificate of Disciplinary Honors in Marketing, Entrepreneurship, and Hospitality & Tourism; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Lori Mackowski at [lamackow@uncg.edu](mailto:lamackow@uncg.edu) for further information and guidance about Honors in Marketing, Entrepreneurship, and Hospitality & Tourism. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Entrepreneurship Undergraduate Minor

The Entrepreneurship minor, consisting of 15 credit hours, is available for majors outside of the Bryan School of Business and Economics, as well as for majors in the Bryan School—other than Entrepreneurship majors—who are in good standing with the university.

**The Entrepreneurship Minor is available in a traditional as well as online format.**

## Program Requirements

- Minimum of 15 credit hours
- Minimum average GPA of 2.0 required in all courses used toward minor.

- B.A. in ECON majors and CARS majors, should follow the non-business track. Students in the B.S. in ECON majors should follow the Bryan School track.

## Non-Business Majors Track

The minor brings an entrepreneurial perspective to all major fields of study, either to start or grow a business or to be creative and innovative in any organization, profit or nonprofit. To earn an Entrepreneurship minor, a student must meet the following requirements in the order listed below.

### Apply

Apply for the Entrepreneurship minor in the Bryan School Student Services Office (Bryan 137).

Code	Title	Credit Hours
<b>Required</b>		
ENT 200 or ACC 201	Introduction to Entrepreneurial Finance Financial Accounting	3
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis	3
ENT 336	Opportunities to Action: Business Plan	3

### Advising

Consult with an advisor in the Bryan School Student Services Office (Bryan 137) or Dr. Dianne Welsh, Director (Bryan 328), to select one of the nine profiles offered: Creative Industries, Education, Family Business, Franchising, Health Care, International, Social, Esports, or Technology, Innovation, and Sciences.

### Profile courses

Once admitted to the minor, students take at least 3 credits within their selected profile, found below.

### Electives

Students must take at least 3 credits from the approved electives below to meet the minimum 15 required credits in the minor.

## Bryan School Majors Track

The minor is intended to bring an entrepreneurial perspective to all majors in the Bryan School. To earn an Entrepreneurship minor, a student must meet the requirements listed below in the order listed.

### Apply

Apply for the Entrepreneurship minor in the Bryan School Student Services Office (Bryan 137).

Code	Title	Credit Hours
<b>Required</b>		
ENT 300	Ideas to Sustainable Opportunities: Feasibility Analysis *	6
ENT 336	Opportunities to Action: Business Plan *	3

### Advising

Consult with an advisor in the Bryan School Student Services Office (Bryan 137) or Dr. Dianne Welsh, Director (Bryan 328) to select one of the 9 profiles offered: Creative Industries, Education, Family Business,

Franchising, Health Care, International, Social, Esports, or Technology, Innovation, and Sciences.

### Profile courses

Once admitted to the minor, students take at least 3 credits within their selected profile, found below.

### Electives

Students must take at least 6 credits from the approved electives below to meet the minimum 15 required credits in the minor.

## Profile Courses

- Minimum of 3 credits from the courses listed below.

Code	Title	Credit Hours
<b>Creative Industries</b>		
ENT 201	Creativity, Innovation, and Vision	
ENT 202	Arts Admin and Entrepreneurship	
ENT 327	Writing for Professionals and Entrepreneurs	
ENT 276	Creative Space: The Meeting of Art and Entrepreneurship	
ENT 376	Micro-Enterprise for Creatives	
ENT 394	Advanced Studio Practicum: Art and Entrepreneurship	
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists	
ENT 435	Entrprnrsph and Ind Press Publ	
ENT 321	Design Thinking and/or Entrepreneurial Thinking	
ENT 402	Entrepreneurship in the Performing Arts	
ENT 486	Theatre Management and Entrepreneurship	
ENT 498	Internship in Arts Administration and Entrepreneurship	
<b>Education</b>		
CED 474	Contemporary Topics in Counseling	
ENT 396	Transition Planning and School-Based Entrepreneurship	
<b>Family Business</b>		
ENT 337	Family Business	
ENT 451	Service Management	
ENT 354	Restaurant Entrepreneurship	
ENT 473	Wine Appreciation for the Business Professional	
<b>Franchising</b>		
ENT 338	Global Franchising	
<b>Health Care</b>		
CED 474	Contemporary Topics in Counseling	
ENT 307	Global Health	
ENT 411	Silver Industries	
<b>International</b>		
ENT 130	Entrepreneurship in a Sustainable Global Environment	
ENT 342	International Entrepreneurship	
ENT 338	Global Franchising	
<b>Social</b>		
ENT 340	Social Entrepreneurship	
ENT 440	Experiences in Sustainable Entrepreneurship	

ENT 250	Purpose-Driven Entrepreneurship
<b>Esports</b>	
ENT 206	Start Something Globally Sustainable!
<b>Technology, Innovation and Sciences</b>	
ENT 309	Entrepreneurship in the Public Sector
ENT 312	Economics of Technology
ENT 410	Sustainable Urban Planning in an Entrepreneurial Environment
ENT 430	Rsrch Opprtnts ENT/Eco Dvlpmnt *

## Electives

- Only one 200-level elective may count toward the minor. In rare cases an Independent Study focused on entrepreneurial research or a special project may qualify with faculty approval.

Code	Title	Credit Hours
ENT 130	Entrepreneurship in a Sustainable Global Environment	
ENT 200	Introduction to Entrepreneurial Finance	
ENT 201	Creativity, Innovation, and Vision	
ENT 202	Arts Admin and Entrepreneurship	
ENT 206	Start Something Globally Sustainable!	
ENT 240	Introduction to the Entrepreneurial Experience	
ENT 250	Purpose-Driven Entrepreneurship	
ENT 262	Ethical Issues in Entrepreneurship	
ENT 275	Entrepreneurial Personal Branding	
ENT 276	Creative Space: The Meeting of Art and Entrepreneurship	
ENT 307	Global Health	
ENT 309	Entrepreneurship in the Public Sector	
ENT 312	Economics of Technology	
ENT 324	Professional Selling *	
ENT 327	Writing for Professionals and Entrepreneurs	
ENT 328	Sales Leadership *	
ENT 335	Entrepreneurial Finance	
ENT 337	Family Business	
ENT 338	Global Franchising	
ENT 339	Entrepreneurial Leadership	
ENT 340	Social Entrepreneurship	
ENT 342	International Entrepreneurship	
ENT 354	Restaurant Entrepreneurship	
ENT 394	Advanced Studio Practicum: Art and Entrepreneurship	
ENT 376	Micro-Enterprise for Creatives	
ENT 396	Transition Planning and School-Based Entrepreneurship	
ENT 402	Entrepreneurship in the Performing Arts	
ENT 403	Entrepreneurial Marketing *	
ENT 410	Sustainable Urban Planning in an Entrepreneurial Environment	
ENT 411	Silver Industries	
ENT 427	Personal Selling Internship *	
ENT 430	Rsrch Opprtnts ENT/Eco Dvlpmnt *	

ENT 435	Entrprnrshp and Ind Press Publ	MKT 420
ENT 440	Experiences in Sustainable Entrepreneurship	MKT 427 Personal Selling Internship
ENT 450	Directed Business Practice	MKT 444 Effective Selling
ENT 451	Service Management	
ENT 455	Arts and Entrepreneurship: Career Strategies for Artists	
ENT 486	Theatre Management and Entrepreneurship	
ENT 493	Honors Work in Entrepreneurship	
ENT 499	Selected Topics in Entrepreneurship	
ENT 498	Internship in Arts Administration and Entrepreneurship	
ENT 473	Wine Appreciation for the Business Professional	
CED 474	Contemporary Topics in Counseling	

- \* • *Marketing majors are permitted only 6 credits of duplicated credits. Only two of the following courses may count for both major/minor: MKT 328/ENT 328, MKT 403/ENT 403, MKT 427/ENT 427, ENT 430/MKT 430/LIS 430/GES 430, or MKT 324/ENT 324.*
- *Business Administration majors with a concentration in Business Studies, only the ENT 300/BUS 300 and ENT 336/BUS 336 courses will count for both major and minor.*

## Professional Selling Undergraduate Minor

The Professional Selling Minor, consisting of 15 credits is available for majors outside of the Bryan School of Business and Economics, as well as for majors in the Bryan School, who are in good standing with the university. Minimum average GPA of 2.50 is required in all courses used toward minor.

### Business and Non-Business Majors

The minor is useful to majors in the professional and arts and sciences fields of study, as well as business majors. The professional selling minor is intended to provide students with skills useful in sales positions and in making the individual more effective in any knowledge-based position in all major fields of study where one may need to influence people. To earn a professional selling minor, a student must meet the following requirements in the order listed below.

### Admission to the Minor

Students can submit a minor application online here (<https://bryan.uncg.edu/current-students/forms/request-a-change-of-major-or-minor/>) or you can visit our Bryan Student Services Office, Room 137 Bryan Building.

## Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
<b>Select 15 credits from the following</b>		<b>15</b>
HTM 401	Hotel and Travel Services Sales and Marketing	
MKT 324	Professional Selling	
MKT 328	Sales Leadership	
MKT 403	Entrepreneurial Marketing	

# SCHOOL OF EDUCATION

324 School of Education Building

336-334-5000

<http://soe.uncg.edu>

## Administration

Randy Penfield, *Dean*

Jewell Cooper, *Associate Dean of Academic Affairs and Student Services*

Robert Henson, *Associate Dean for Research*

## About

The SOE has a student body of approximately 1,500 students that is among the most diverse in the UNC system. Approximately 75% of our students are enrolled in graduate programs and 25% are enrolled in undergraduate programs.

The faculty of the SOE includes nearly 100 full-time professors who are highly accomplished scholars, teachers, and partners with community organizations and schools.

The Departments in the School of Education are as follows:

- Counseling and Educational Development
- Educational Leadership and Cultural Foundations
- Educational Research Methodology
- Library and Information Science
- Specialized Educational Services
- Teacher Education and Higher Education

The Department of Teacher Education and Higher Education and the Department of Specialized Education Services offer Bachelor of Science programs several of which prepare students for the Standard Professional I License in North Carolina. Undergraduate majors include Elementary Education, Middle Grades Education, Interpreting, Deaf Education, and Advocacy Services (Advocacy and Services for the Deaf; Auditory-Oral/Birth–Kindergarten Teacher Licensure; Birth–12 Deaf and Hard of Hearing Teacher Licensure; and Interpreter Preparation), Special Education (including the Dual Elementary Education and Special Education Concentration with Teacher Licensure), and Elementary Education . All departments in the School of Education offer graduate programs leading to master's, specialist's, and doctoral degrees, as well.

The School of Education also supports programs in teacher education conducted under the auspices of other schools (Visual and Performing Arts; Health and Human Sciences) and departments within the College of Arts and Sciences by responding to course requirements in the areas of social, philosophical, and psychological foundations; methodology; curriculum; and student teaching. Recent emphases in competency-based curricula and individualized programming contribute to newly designed teacher education programs.

All licensure programs for school personnel are approved by the North Carolina State Department of Public Instruction. The University of North Carolina at Greensboro is accredited under the National Council for Accreditation of Teacher Education (NCATE) Standards through the CAEP Accreditation System, for a period of six years, from 2015-21. UNC Greensboro will seek accreditation under the Council for the Accreditation of Educator Preparation (CAEP) Standards in 2021. Formed in 2013,

CAEP is the single specialized accreditor for educator preparation, and administers NCATE accreditation.

The School of Education is a professional school that strives to prepare outstanding practitioners, study the profession, create and disseminate new knowledge in professional education, and engage in field services and apply research findings. A general discussion of Teacher Education may be found under School of Education Licensure Programs in this catalog.

The SOE offers over 20 different graduate degree programs, many of which include a range of specialty concentrations to allow our students to focus on topics most relevant to their interests and professional goals. Degree programs include 5 undergraduate programs and 15 graduate programs spanning master's and doctoral degrees. The 20 degree programs are complemented by numerous non-degree certificate and add-on licensure programs.

- Counseling and Educational Development (p. 618)
  - Counseling, M.S. (p. 619)
  - Counseling and Counselor Education, Ph.D. (p. 621)
  - Addiction Treatment, Post-Baccalaureate Certificate (p. 622)
  - Mental Health in Children and Adolescents, Post-Baccalaureate Certificate (p. 622)
- Educational Leadership and Cultural Foundations (p. 623)
  - School Administration, M.S.A. (p. 623)
  - Educational Leadership, Ed.D. (p. 624)
  - Educational Studies, Ph.D. (p. 625)
  - Cultural Foundations and Social Justice Education, Post-Master's Certificate (p. 626)
  - School Administration, Post-Master's Certificate (p. 626)
- Information, Library, and Research Sciences (p. 627)
  - Information Science, B.S. (p. 628)
  - Information Analytics Undergraduate Minor (p. 629)
  - Information Science Undergraduate Minor (p. 629)
  - Educational Research, Measurement, and Evaluation, M.S. (p. 629)
  - Instructional Technology and Design, M.S. (p. 630)
  - Library and Information Science, M.L.I.S. (p. 631)
  - Educational Research, Measurement, and Evaluation, M.S./Ph.D. (p. 633)
  - Educational Research, Measurement, and Evaluation, Ph.D. (p. 634)
  - Educational Research Methodology, Doctoral Minor (p. 634)
  - Educational Assessment, Post-Baccalaureate Certificate (p. 635)
  - Instructional Design, Post-Baccalaureate Certificate (p. 635)
  - Program Evaluation, Post-Bacclaureate Certificate (p. 635)
  - Special Endorsement in Computer Education, Post-Baccalaureate Certificate (p. 636)
  - Licensure-Only Programs (p. 636)
- Specialized Education Services (p. 638)
  - Interpreting, Deaf Education, and Advocacy Services, B.S. (p. 638)
  - Special Education: General Curriculum, B.S. (p. 643)
  - Add-On Licensure in Deaf and Hard of Hearing (p. 645)
  - Special Education: General Curriculum, M.Ed. (p. 646)

- Special Education, Ph.D. (p. 646)
- Instructional Coaching, Post-Master's Certificate (p. 647)
- Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) (p. 648)
- Teacher Education and Higher Education (p. 649)
  - Elementary Education (K–6), B.S. (p. 650)
  - Middle Grades Education, B.S. (p. 651)
  - The Teaching English to Speakers of Other Languages (TESOL) Undergraduate Minor (p. 653)
  - School of Education Initial Licensure Programs (p. 653)
  - Master of Arts in Teaching, M.A.T. (p. 655)
  - Student Affairs Administration in Higher Education, M.Ed. (p. 657)
  - Teacher Education, M.Ed. (p. 658)
  - Educational Studies, Ph.D. (p. 660)
  - Design and Making in Education, Post-Baccalaureate Certificate (p. 662)
  - Student Affairs in Higher Education, Post-Baccalaureate Certificate (p. 662)
  - Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate (p. 662)
  - Add-On Licensure Programs (p. 662)
  - NC TEACH Alternative Licensure Program (p. 663)

# Counseling and Educational Development

*School of Education*

228 Curry Building

336-334-3423

<https://soe.uncg.edu/academics/departments/ced> (<https://soe.uncg.edu/academics/departments/ced/>)

**Kelly L. Wester, Chair of the Department**

**L. DiAnne Borders, Graduate Program Director**

## About

There are two primary program areas in counselor education for which the master's and doctoral degrees are offered: clinical mental health counseling and school counseling. Within these two program areas, the Council for Accreditation of Counseling and Related Educational Programs (CACREP), a specialized accrediting body recognized by the Council on Postsecondary Accreditation (COPA), has conferred accreditation to the following programs and specializations in the Department of Counseling and Educational Development at UNC Greensboro: clinical mental health counseling (M.S.), school counseling (M.S.), couple and family counseling (M.S.), and counseling and counselor education (Ph.D.). Applicants admitted to a program are expected to enroll as full-time students, registering for a minimum of 12 credit hours each semester. Students appointed to graduate assistantships, however, may reduce their credit load and retain full-time status.

## Curriculum

The Counselor Education program faculty adheres to the scientist-practitioner model of training. Consistent with this approach is the program's goal of graduating students who have broad knowledge of counseling theory and process, possess a high level of competency in providing professional services to diverse client populations, and view assessment and research in counseling as a continuous cyclical activity throughout the counseling process. Research is a means of obtaining and using information to generate and establish counseling goals and strategies, and for identifying "best practices" or empirically-based practices that are integral to effectiveness in counseling. The focus of this ongoing process is to bring about client change. The major tenets underlying the program include the following:

1. Exposure to a variety of theoretical orientations to counseling,
2. Reliance on both the clinical-counseling and vocational-educational approaches in designing counseling and programmatic interventions,
3. A commitment to developing the student's skills as a clinician who uses research methodology in practice,
4. A strong emphasis on the normal developmental issues of the individual as opposed to an approach based on pathology, and
5. Intentionality around challenging students to increase their self-awareness about and knowledge of diverse populations, and to use culturally-appropriate interventions in an effort to become multiculturally competent practitioners.

Especially important to the program faculty are the commitment to mental "health" (or wellness) and the value attached to understanding the common developmental themes throughout a person's life. An appealing feature is the diversity of the faculty's theoretical orientations, which

translates into a variety of research opportunities available to creative students, as well as varied counseling approaches and different applied settings for gaining training experience.

To achieve the program's curriculum goals of the scientist-practitioner model of training, students are required to demonstrate satisfactory knowledge in each of the following core areas: the helping relationship; group dynamics, process, and counseling; social and cultural diversity; human growth and development; career and lifestyle development; appraisal of individuals; research and evaluation; and professional orientation. Available within the program requirements are courses offered by other departments that enable students to benefit from the resources of the entire University.

Required professional core courses constitute the cognitive foundation for the development of skills in providing professional services. Also available are specialized courses dealing with particular groups and environmental settings, such as courses in family intervention, counseling children and adolescents, and substance use. Supervised clinical experience in the Vacc Counseling and Consulting Clinic is offered throughout the program parallel to core and specialty courses. Supervised experience in applied settings is available on campus as well as at off-campus sites; these include community mental health services; career counseling and placement; inpatient facilities; college counseling centers; public and private K-12 schools; child, youth, and family agencies; and sports, outreach, and alcohol and drug programs. Students are encouraged to explore internship experiences specifically tailored to their individual needs and interests. This diversity of opportunities allows students to develop programs consistent with their own particular goals and talents.

Students are given strong encouragement to participate in professional organizations and collaborate on original research projects. Opportunities for professional involvement and leadership development include the student honor association in the Department as well as state and national counseling organizations. Applied research courses are available at the entry level and required at the doctoral level. To help students design and complete high quality, relevant dissertations, doctoral students are required to take courses in research design and statistics, and quantitative and qualitative methods of data analysis. In addition to being given strong encouragement to participate in original research projects and presentations at professional meetings, students are expected to work closely with their selected professors in conducting their research projects. Close consultation with the faculty is strongly encouraged, particularly for students working on doctoral dissertations. The faculty views doctoral research as providing students with a starting point for developing an ongoing research program that continues beyond completion of their degree.

Mechanisms for student evaluation include progress evaluations by instructors, practicum supervisors, and internship supervisors - both at the University and at internship sites. Capstone projects and comprehensive exams provide valuable feedback to students regarding their progress in the program. Faculty supervisors appraise students' clinical skills, and this feedback is available to students.

A majority of M.S. students complete the required curriculum in two years. Ph.D. students generally complete their degree in three years. Although a few doctoral students complete their dissertations after their full-time study at the University, students are strongly encouraged to complete all degree requirements before leaving.

Graduates are eligible for one or more state and national credentials. Because the program is CACREP-approved, all fully enrolled master's students can take the National Counselor Examination for Licensure and Certification (NCE) during their last semester of the program. The NCE is the first step toward becoming a National Certified Counselor (NCC) and a Licensed Clinical Mental Health Counselor (LCMHC) in North Carolina. In addition, the post-master's experience requirement for the NCC credential is waived. The NCC credential is a prerequisite for national specialty certifications offered by the National Board of Certified Counselors (NBCC), including school counseling and clinical mental health counseling. School counseling graduates are eligible for the "G" state school counseling license. Those who complete the Post-Baccalaureate Certificate in Mental Health in Children and Adolescents are eligible for the "S" state school counseling license. Graduates of the clinical mental health counseling specialization in couple and family counseling qualify for the National Academy for Certified Family Therapist (NACFT) credential and can also receive preparation for American Association of Marriage and Family Therapy (AAMFT) membership (see Departmental Office Manager for additional information). For aspiring substance use counselors, preparation is available for both the Certified Alcohol and Drug Counselor pre-certification and the Licensed Clinical Addiction Specialist-Associate.

Recent graduates of the program have accepted positions in diverse settings similar to the breadth of internships available for students. The interest and talents of the students have served as the major criteria for determining the type of internship and employment obtained.

#### **Professor**

L. DiAnne Borders, *Burlington Industries Excellence Professor<sup>G</sup>*  
 Carrie Wachter Morris<sup>G</sup>  
 Kelly Lynn Wester<sup>G</sup>  
 Scott Young<sup>G</sup>

#### **Associate Professor**

Connie T Jones<sup>G</sup>

#### **Assistant Professor**

Christian Derek Chan<sup>G</sup>  
 Jennifer D Deaton<sup>G</sup>  
 Jennifer K. Niles

#### **Clinical Assistant Professor**

Rebecca Mathews<sup>G</sup>  
 Kimberly S Williams<sup>G</sup>

#### **Lecturer**

LaVerne H Collins  
 Brittany Putnam Gerringer  
 Maria Adele Brunelli Paredes  
 Joy Kelly Phifer  
 Allison M. Pow<sup>G</sup>

#### **G Graduate-level faculty**

- Counseling, M.S. (p. 619)
- Counseling and Counselor Education, Ph.D. (p. 621)
- Addiction Treatment, Post-Baccalaureate Certificate (p. 622)
- Mental Health in Children and Adolescents, Post-Baccalaureate Certificate (p. 622)

## **Counseling, M.S.**

The M.S. in Counseling offers three concentrations (specializations).

The M.S. in Counseling with concentrations in Clinical Mental Health Counseling or School Counseling requires 60 credit hours. The M.S. in Counseling with a concentration in Couple and Family Counseling requires 63 credit hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a current resume/vita and a personal statement. Applicants also should provide an explanation of their academic performance if their GPA is below 2.75

Applicants should have vocational goals compatible with the selected program and subspecialty. Program standards are competitive and not all applicants may be admitted. Preference is given to students desiring full-time study.

For more information, please visit [soe.uncg.edu/academics/departments/ced/ced-ms-counseling/](https://soe.uncg.edu/academics/departments/ced/ced-ms-counseling/) (<https://soe.uncg.edu/academics/departments/ced/ced-ms-counseling/>).

## **Degree Program Requirements**

**Required:** 60-63 credit hours

### **Clinical Mental Health Counseling Concentration**

**Required:** 60 credit hours

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
<b>Human Growth and Development (6 credits)</b>		
CED 612	Developmental Counseling	3
CED 693	Evidence-Based Practice in Counseling	3
<b>Social and Cultural Diversity (3 credits)</b>		
CED 605	Counseling Diverse Populations	3
<b>Professional Core (15 credits)</b>		
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
<b>Assessment (6 credits)</b>		
CED 642	Substance Abuse Counseling	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3
<b>Specialized and Evidence-Based Practice Courses (12 credits)</b>		
CED 644	Foundations of Mental Health Counseling	3
CED 687	Diagnosis and Treatment Planning in Counseling	3
CED 688	Contemporary Problems Seminar <sup>1</sup>	3
CED 693	Evidence-Based Practice in Counseling <sup>2</sup>	3
<b>Supervised Practica and Internships (15 credits)<sup>3</sup></b>		
CED 653	Practicum in Counseling <sup>4</sup>	
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6

**Research and Program Evaluation (3 credits)**

CED 611	The Counselor as Scientist-Practitioner	3
<b>Total Credit Hours</b>	<b>60</b>	

<sup>1</sup> Or CED elective. As advised.<sup>2</sup> As advised.<sup>3</sup> Consists of 12 credits of counseling internship across two semesters, 3 credits of advanced counseling practicum, and 3 credits of field practicum and other practicum experiences across the curriculum as required in the Schedule of Courses.<sup>4</sup> Does not count towards the required credits. Corequisite course for CED 605, CED 610, CED 611, CED 612, CED 620, CED 650, CED 669, CED 642, CED 682, CED 687, CED 688, and CED 693.**Collateral Expertise**

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

**Capstone Experience**

A student must complete an internship-based applied project.

**Couple and Family Counseling Concentration**

**Required:** 63 credit hours

Code	Title	Credit Hours
<b>Human Growth and Development (6 credits)</b>		
CED 612	Developmental Counseling	3
CED 693	Evidence-Based Practice in Counseling	3
<b>Social and Cultural Diversity (3 credits)</b>		
CED 605	Counseling Diverse Populations	3
<b>Professional Core (15 credits)</b>		
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
<b>Assessment (6 credits)</b>		
CED 642	Substance Abuse Counseling	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3
<b>Specialized and Evidence-Based Practice Courses (15 credits)</b>		
CED 644	Foundations of Mental Health Counseling	3
CED 687	Diagnosis and Treatment Planning in Counseling	3
CED 690	Counselors Working with Families	3
CED 691	Advanced Clinical Topics in Couple and Family Counseling/Therapy	6
<b>Supervised Practica and Internships (15 credits)</b>		
CED 653	Practicum in Counseling <sup>**</sup>	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6
<b>Research and Program Evaluation (3 credits)</b>		
CED 611	The Counselor as Scientist-Practitioner	3

CED 611	The Counselor as Scientist-Practitioner	3
<b>Total Credit Hours</b>	<b>63</b>	

\* Must be taken twice for 6 credits total. Students select two sections of CED 691 from the following topics:

- Couples Counseling
- Family Violence
- Human Sexuality

\*\* Does not count towards the required credits. Corequisite course for CED 605, CED 610, CED 611, CED 612, CED 620, CED 650, CED 642, CED 669, CED 682, CED 687, CED 690, CED 691, and CED 693.

**Collateral Expertise**

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

**Capstone Experience**

A student must complete an internship-based applied project.

**School Counseling Concentration**

**Required:** 60 credit hours

Code	Title	Credit Hours
<b>Human Growth and Development (6 credits)</b>		
CED 612	Developmental Counseling	3
CED 693	Evidence-Based Practice in Counseling	3
<b>Social and Cultural Diversity (3 credits)</b>		
CED 605	Counseling Diverse Populations	3
<b>Professional Core (15 credits)</b>		
CED 610	Helping Relationships	3
CED 620	Counseling Theories and Practice	3
CED 650	Group Counseling Theory and Practice	3
CED 669	Career Development and Career Counseling	3
CED 678	Professional Orientation	3
<b>Assessment (6 credits)</b>		
CED 642	Substance Abuse Counseling	3
CED 682	Application of Measurement and Clinical Appraisal Techniques	3
<b>Specialized and Evidence-Based Practice Courses (9 credits)</b>		
CED 648	Foundations of School Counseling	3
CED 668	Counseling Children and Adolescents <sup>1</sup>	3
CED 698	Implementing and Evaluating School Counseling Programs	3
<b>Supervised Practica and Internships (18 credits)<sup>2</sup></b>		
CED 653	Practicum in Counseling <sup>3</sup>	3
CED 677	School Certification	3
CED 679	Advanced Counseling Practicum	3
CED 680A	Counseling Internship	6
CED 680B	Counseling Internship	6
<b>Research and Program Evaluation (3 credits)</b>		
CED 611	The Counselor as Scientist-Practitioner	3
<b>Total Credit Hours</b>	<b>60</b>	

- <sup>1</sup> When the seminar topic is *Counseling Children and Adolescents as indicated by the course section title in the course schedule.*
- <sup>2</sup> Consists of 12 credits of school counseling internship across two semesters, 3 credits of counseling field practicum (CED 677), 3 credits of advanced counseling practicum and other practicum experiences across the curriculum as required in the Schedule of Courses.
- <sup>3</sup> Does not count towards the required credits. Corequisite course for CED 605, CED 610, CED 611, CED 612, CED 620, CED 650, CED 642, CED 648, CED 669, CED 682, CED 688, and CED 693.

### Collateral Expertise

A student must demonstrate satisfactory performance in professional practice. This requirement is satisfied by successfully completing practicum and internship requirements.

### Capstone Experience

A student must complete an internship-based applied project.

## Counseling and Counselor Education, Ph.D.

The Ph.D. in Counseling and Counselor Education requires 69-75 credit hours beyond the master's degree. Because master's-level preparation programs vary, the doctoral program requirements are cumulative from the baccalaureate degree for entering Ph.D. students who have completed a master's degree program at another institution. The doctoral program focuses on developing professional competencies of the student through advanced study of theory and practice of counseling as it relates to research, the behavioral sciences, teaching, and clinical supervision.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by The Graduate School, doctoral applicants are required to have graduated from a master's program in counseling or acceptable equivalent that is accredited by the Council for Accreditation of Counseling and Related Educational Programs. They also may present evidence of an appropriate degree from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC). (CACREP requirements for a master's program are needed; if missing, these are prerequisites for admission.)

Applicants to all graduate counseling programs should have vocational goals compatible with the selected program and subspecialty. Program standards are competitive and not all applicants may be admitted. Preference is given to students desiring full-time study.

For more information, please visit [soe.uncg.edu/academics/departments/ced/ced-programs/ph-d-in-counseling-and-counselor-education/](http://soe.uncg.edu/academics/departments/ced/ced-programs/ph-d-in-counseling-and-counselor-education/) (<https://soe.uncg.edu/academics/departments/ced/ced-programs/ph-d-in-counseling-and-counselor-education/>).

## Degree Program Requirements

**Required:** 69-75 credit hours

Code	Title	Credit Hours
<b>Professional Core (15 credits)</b>		
CED 756A	Advanced Counseling Theory and Research <sup>1</sup>	3
CED 756B	Advanced Counseling Theory and Research <sup>1</sup>	3
CED 760B	Leadership, Advocacy, and Innovation in Counseling and Counselor Education	3
CED 777C	Seminar in Counseling	3
CED 781A	Clinical Supervision <sup>1</sup>	3
<b>Supervised Practica and Internships (9 credits minimum) <sup>2</sup></b>		
CED 757	Internship in University Teaching in Counseling <sup>3</sup>	3
CED 779	Advanced Counseling Practicum	3
CED 781B	Clinical Supervision Internship	3
CED 780A	Advanced Counseling Internship <sup>4</sup>	0 or 6
<b>Research and Assessment (15 credits)</b>		
CED 720A	Research Apprenticeship	3
CED 720B	Research Apprenticeship	3
CED 740	Research Practicum in Counseling	3
CED 777B	Seminar in Counseling	3
CED 777D	Seminar in Counseling	3
<b>Research and Statistics Sequence (9 credits)</b>		
Select one three-course sequence (9 credits) from the following:		9
ERM 780 & ERM 781 & ERM 782	Intermediate Statistical Methods in Education and Design and Analysis of Educational Experiments and Multivariate Analysis	
STA 661 & STA 662 & STA 671	Advanced Statistics in the Behavioral and Biological Sciences I and Advanced Statistics in the Behavioral and Biological Sciences II and Multivariate Analysis	
<b>Cognate (9 credits)</b>		
Select three courses (9 credits) in Education or the Social and Behavioral Sciences		9
<b>Dissertation (12 credits)</b>		
CED 799	Dissertation <sup>5</sup>	12
<b>Total Credit Hours</b>		<b>69-75</b>

<sup>1</sup> CED 653 Practicum in Counseling is a corequisite for CED 756A and CED 756B, but does not count toward the required minimum 69 credit hours for the Ph.D. program.

<sup>2</sup> Additional credits are based on admissions, successful completion of CED 779, and students electing to enroll in more than one semester of clinical supervision and/or teaching internship. Students may enroll in additional semesters of teaching (CED 757) and supervision (CED 781C, CED 781D), assuming successful experience in prior semesters.

<sup>3</sup> Enrollment in CED 757 is required each semester a student is teaching CED 274 Stress Management, CED 310 Helping Skills, CED 392 Love, Sex, and Relationships: Skills for Building Satisfying, Healthy Relationships, etc.

- <sup>4</sup> Only required for students admitted into the doctoral program directly from their master's degree and/or those who have not had one year of clinical experience since completing their master's program. Other students may be required to enroll in CED 780A based on performance in CED 779.
- <sup>5</sup> Minimum and maximum, spread over at least two semesters.

## Addiction Treatment, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Addiction Treatment is designed to provide education in addiction treatment for bachelor-level professionals working with or seeking to work with the addiction population. The certificate program, upon completion, prepares students to pursue appropriate supervision toward North Carolina Substance Abuse Professional Practice Board (NCSAPPB) credentials.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the materials required by the Graduate School, a 2.7 GPA is required for admission to the P.B.C. in Addiction Treatment.

The North Carolina Addictions Specialist Professional Practice Board (NCASPPB) licensure/certification process for addiction counselors in North Carolina is a separate process from this certificate program. If an applicant wants to be a Licensed Clinical Addictions Specialist (LCAS) in North Carolina or Certified Alcohol and Drug Counselor (CADC), the applicant will need to contact the board directly.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
CED 521	Legal, Ethical, and Professional Considerations in Addiction Treatment	3
CED 522	Addiction Treatment	3
CED 523	Treatment Planning and Evidence-Based Practice in Addiction Treatment	3
CED 524	Multicultural Foundations of Addiction Treatment	3
CED 525	Special Issues in Addiction Treatment	3
<b>Total Credit Hours</b>		<b>15</b>

## Mental Health in Children and Adolescents, Post-Baccalaureate Certificate

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Students enrolling in the P.B.C. in Mental Health in Children and Adolescents must be fully-admitted to the M.S. in Counseling program in any concentration.

## Certificate Program Requirements

**Required:** 12 credit hours

Students pursuing the P.B.C. in Mental Health in Children and Adolescents must complete 12 credits of graduate-level CED courses relevant to counseling children and adolescents and the student's professional goals, with the approval of their advisor. Students **may not** use course credit applied towards their M.S. in Counseling program requirements towards the certificate requirements.

Code	Title	Credit Hours
Select 12 credits from graduate-level CED courses, including but not limited to the following:		12
CED 668	Counseling Children and Adolescents	
CED 687	Diagnosis and Treatment Planning in Counseling <sup>2</sup>	
CED 688	Contemporary Problems Seminar <sup>3</sup>	
CED 690	Counselors Working with Families	
CED 691	Advanced Clinical Topics in Couple and Family Counseling/Therapy	
CED 693	Evidence-Based Practice in Counseling <sup>4</sup>	

**Total Credit Hours** 12

<sup>1</sup> Or other relevant courses with approval of advisor.

<sup>2</sup> Required for School Counseling Concentration students enrolled in the P.B.C. **May not** be selected by Clinical Mental Health Counseling Concentration and Couple and Family Counseling Concentration students; course is required in M.S. Counseling program for those concentrations.

<sup>3</sup> When the topic/focus of the course content is relevant to children and/or adolescents.

<sup>4</sup> Any CED 693 course that is not applied towards the student's master's program requirements may be counted towards the certificate requirements.

# Educational Leadership and Cultural Foundations

*School of Education*

366 School of Education Building  
336-334-3490  
<http://elc.uncg.edu>

**Craig Peck**, *Chair of the Department*

**Brian Clarida**, *Graduate Program Director for the M.S.A. and P.M.C. in School Administration*

**Kathy Hytten**, *Graduate Program Director for the Ed.D. program*

**Silvia C. Bettez**, *Graduate Program Director for the Ph.D. program*

## About

The Department of Educational Leadership and Cultural Foundations (ELC) is concerned with issues of educational theory and philosophy, sociocultural analysis, educational leadership and school organization, educational policy, and critical pedagogy. The faculty members share a sociopolitical perspective that undergirds our scholarship, teaching, and service. We are committed to the development of a just and caring democratic society in which schools serve as centers of inquiry and forces for social transformation that foster social, economic, and educational equity by honoring differences in race, class, gender, ethnicity, and sexual preference. The ELC faculty seek to prepare thoughtful and effective leaders in education through programs of study that are interdisciplinary in focus and that emphasize questions of moral concern, the cultural context of education, and a reconstructive vision for excellent and equitable schooling. Our purpose is to create change agents who work with parents, staff, students, and communities to develop critical understandings of the assumptions, beliefs, and regularities that support schooling and who identify and create practices that allow schools to function more fully as democracies while preparing students for democracy.

The department offers three graduate degree programs and two certificate programs: Master of School Administration, Doctor of Education in Educational Leadership, and Doctor of Philosophy in Educational Studies with a concentration in Cultural Foundations and Post Masters in School Administration and Post Masters in Cultural Foundations and Social Justice Education. As a valued member of our academic community, you will have the advantage of a supportive environment in which you are known, cared for, challenged and invested in. Faculty members take your preparation and your success very seriously. For that same reason, we equip you with more than knowledge; we give you the tools and experience to understand what your future decisions in the field will mean to learners and how you can use your position to bring about positive change for education. ELC is committed to embodying our shared commitments in all of our actions, with social justice and equity as the expressed centerpiece of who we are.

A major component of this department is an undergraduate course, ELC 281 Cultural Foundations of Education, which is required of all students who are planning to seek teacher licensure.

### Professor

**Silvia C. Bettez**<sup>G</sup>  
**Glenn M. Hudak**<sup>G</sup>  
**Kathy Ann Hytten**<sup>G</sup>  
**Leila E. Villaverde**<sup>G</sup>

### Clinical Professor

Brian Clarida<sup>G</sup>

### Associate Professor

Craig Martin Peck<sup>G</sup>

### Assistant Professor

Lalenja Giddens Harrington<sup>G</sup>

Tiffanie C Lewis-Durham<sup>G</sup>

### Clinical Assistant Professor

Kathleen E. Edwards<sup>G</sup>

Christopher Kelly<sup>G</sup>

### Lecturer

Rodney Lamont Boone

Shelia L Dove

Darrell A Harris

Boomer Daniel Kennedy

Caitlin M. Spencer<sup>G</sup>

Kevin L Wheat

### G Graduate-level faculty

- School Administration, M.S.A. (p. 623)
- Educational Leadership, Ed.D. (p. 624)
- Educational Studies, Ph.D. (p. 625)
- Cultural Foundations and Social Justice Education, Post-Master's Certificate (p. 626)
- School Administration, Post-Master's Certificate (p. 626)

## School Administration, M.S.A.

The Master of School Administration (M.S.A.) meets state standards for North Carolina Level I administrator licensure (school principal). The degree requires 42 credit hours. Students engage the content of leadership preparation through graduate classroom engagement and assignments, observing schools and school leaders in their practice, and performing tasks under the supervision of a school-based and university mentor during the internship.

Courses are offered in the evenings during the Fall and Spring terms and at various times in the Summer term. Courses are offered online and off-campus. Most students are enrolled part-time.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a resume or curriculum vitae and a personal statement (see departmental website for topic and details).

Qualified applicants will have at least three years of teaching or other professional educational experience (not limited to public schools).

Application deadline: May 15.

## Degree Program Requirements

**Required:** 42 credit hours

Code	Title	Credit Hours	In addition to the application materials required by the Graduate School, the applicant must submit a resume or curriculum vitae and a personal statement (see departmental website for topic and details).
<b>Required Courses (24 credits)</b>			
ELC 616	Culturally Responsive Leadership	3	
ELC 660	The School Principalship	3	
ELC 670	Leadership for Teaching and Learning	3	
ELC 673	Principal Leadership for Special Education	3	
ELC 675	Schools as Centers of Inquiry	3	
ELC 683	Engaging the Public in Education	3	
ELC 684	Teacher Rights, Recruitment, Retention, and Evaluation	3	
ELC 694	Cultural and Political Dimensions of Schooling	3	
<b>Electives (6 credits)</b>			
Select two courses (6 credits) of electives *		6	
<b>Required Field Experiences (12 credits)</b>			
ELC 690	Practicum in Educational Administration **	12	
<b>Total Credit Hours</b>		<b>42</b>	

- \* Students will work with their advisors to choose two electives (6 credits) – either in the department or outside it – that match the student's interests and provide both content and activities that are necessary to complete the student's preparation. Advisors will encourage students to choose electives that create interdisciplinary and interprofessional connections in the student's preparation.
- \*\* Students are required to complete an internship experience that is the equivalent of one year of full-time administrative field experience.

## Capstone Experience

To be eligible to receive North Carolina state licensure as a principal, students must submit a Licensure Portfolio to the department for review. The portfolio will include material drawn from the student's course work and internship and provide documentary evidence of meeting state leadership standards. ELC faculty members will review the student's portfolio for approval.

## Program and Course Delivery

We offer students a coordinated blend of online and hybrid online/face-to-face courses. Our approach to program and course delivery is academically rigorous at the same time it is mindful of students' professional obligations and personal lives.

## Educational Leadership, Ed.D.

The Ed.D. in Educational Leadership is designed to offer K-12 educational administrators and other K-12 educational leaders a unique and research-based experience. The program combines authentic scholarly inquiry with exposure to site-based best practices. The Ed.D. requires commitment to the pursuit of four ambitious goals:

- In-depth inquiry and research on issues and topics related to educational administration and leadership,
- Leadership for improvement in teaching and learning,
- Equity and social justice for all students, and
- The development of schools as democratic communities.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

**Required:** 54-66 credit hours

Code	Title	Credit Hours
<b>Foundational Course Work (18 credits)</b>		
Select 18 credits		18
<b>Major Focus Area Course Work (12 credits)</b>		
Select 12 credits		12
<b>Research (12 credits)</b>		
Select 12 credits		12
<b>Dissertation (12-24 credits)</b>		
ELC 799	Dissertation	12-24
<b>Total Credit Hours</b>		<b>54-66</b>

## Foundational Course Work (18 credits)

Course work from the areas of administration and leadership, curriculum and instruction, social and cultural foundations, or research that provides a foundation for the student's in-depth inquiry in the major focus area (see below). Course work in this category may be counted from the Ed.S. program if courses meet Graduate School regulations and are approved by the student's doctoral committee.

## Major Focus Area Course Work (12 credits)

Course work in this category should be carefully selected to help the student develop scholarly expertise in her/his chosen area of focus within educational leadership. Focus areas and supporting course work include the following:

### Organizational and Leadership Studies

Code	Title	Credit Hours
ELC 723	Urban School Organizational Leadership: Best Practices	3
ELC 731	Power, Politics, and Schools	3
ELC 734	Theories in Educational Administration	3
ELC 745	Contemporary Problems Seminar	1-3
ELC 754	Personal Leadership Assessment and Enhancement	3

### Law, Policy, and Finance

Code	Title	Credit Hours
ELC 733	Cases and Concepts in Educational Leadership	3
ELC 745	Contemporary Problems Seminar	1-3

### Curricular and Instructional Leadership

Code	Title	Credit Hours
ELC 709	Introduction to Critical Pedagogy	3
ELC 714	Curriculum Theory	3
ELC 715	Foundations of Curriculum	3
ELC 717	Technology and Administrative Leadership	3

ELC 718	Principal Leadership for Special Education	3	fundamental to educational practice-its ideology, philosophical assumptions, and moral claims-and is grounded in the study of education and culture with a particular interest in the integration of social analysis, cultural analysis and praxis.
ELC 719	Schools as Centers of Inquiry	3	
ELC 745	Contemporary Problems Seminar	1-3	

### Social, Cultural, Historical, and Ethical Foundations of Educational Leadership

Code	Title	Credit Hours
ELC 711	Ethics and Education	3
ELC 716	Culturally Responsive Leadership	3
ELC 742	Engaging the Public in Education	3
ELC 745	Contemporary Problems Seminar	1-3

### Research (12 credits)

Course work in this category should be carefully selected to help the student develop research expertise that facilitates the completion of a high-quality dissertation. Courses may be selected from a single or multiple methodological perspectives.

Students pursuing a qualitative track would typically complete the following courses:

Code	Title	Credit Hours
ELC 765	Approaches to Qualitative Inquiry	3
or ELC 764	Introduction to Qualitative Inquiry: A Social Justice Approach	
Select an additional 9 credits from the following: *		9
ELC 745	Contemporary Problems Seminar	
ELC 766	Writing Preparation and Proposal Development	
ELC 775	Directed Doctoral Research **	

Select other research courses pre-approved by the advisor committee

\* Selected by the student in consultation with her/his committee chair.

\*\* ELC 775 Directed Doctoral Research should not be taken until 9 credits of research courses have been completed.

Students pursuing a quantitative track would typically select, in consultation with their committee chair, from courses such as the following:

Code	Title	Credit Hours
ELC 745	Contemporary Problems Seminar	1-3
ERM 605	Educational Measurement and Evaluation	3
ERM 704	Methods of Educational Research	3
ERM 732	Hierarchical Linear Modeling	3
ERM 741	Evaluation of Educational Programs	3
ERM 750	Case Study Methods in Educational Research	3
ERM 780	Intermediate Statistical Methods in Education	3
ERM 782	Multivariate Analysis	3
ERM 788	Contemporary Problems Seminar	1-3

## Educational Studies, Ph.D.

The Ph.D in Educational Studies with a concentration in Cultural Foundations is concerned with the breadth and depth of what is

The program focuses on theoretical and policy issues related to educational practice. In particular the degree emphasizes the following concerns:

- A concern for the disciplined study of the relationship between culture and education, encompassing philosophy, sociology, history, critical theory and pedagogy as it pertains to issues of power, equity, access, and privilege.
- A concern for providing broad philosophical, moral, and spiritual perspectives on educational policies and practices.
- A concern for the impact of current important intellectual movements in educational theory, including feminist theory, gender studies, queer studies, critical race theory and neoliberal critiques.
- A concern for the disciplined study of the relationships among visual studies, media culture, and community engaged work.
- A concern for the interdisciplinary work and serious study of emerging forms of inquiry.
- A concern for integrating personal and professional selves and for providing synthesis, perspective, and direction.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a resume or curriculum vitae and a personal statement (see departmental website for details).

## Degree Program Requirements

Required: 60-72 credit hours

### Cultural Foundations Concentration

Code	Title	Credit Hours
<b>Educational Foundations (18 credits)</b>		
ELC 706	History of Education in the United States	3
ELC 707	Philosophies in Education	3
ELC 708	Educational Sociology: Race, Class, and Gender Power Dynamics	3
ELC 709	Introduction to Critical Pedagogy	3
ELC 720	Introduction to Doctoral Studies	3
Select one additional course (3 credits) *		3
<b>Curriculum and Teaching (15 credits)</b>		
Select 15 credits of courses that encourage a broad, critical understanding of school, pedagogy, and society		15
<b>Research and Methods of Inquiry (15 credits)</b>		
Select 15 credits of research courses **		15
<b>Dissertation (12-24 credits)</b>		
ELC 799	Dissertation	12-24
<b>Total Credit Hours</b>		<b>60-72</b>

\* In consultation with advisor.

**\*\* In consultation with advisor. These courses can be tailored to the student's particular research and methodological interests.**

## Cultural Foundations and Social Justice Education, Post-Master's Certificate

The Post-Master's Certificate in Cultural Foundations and Social Justice Education requires 12-18 credit hours and offers students a broad, interdisciplinary, scholarly tradition that currently shapes cultural foundations and social justice education. Attention is given to preparing students to teach in this area. Students have five academic years to complete the certificate.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12-18 credit hours

Code	Title	Credit Hours
<b>Pedagogy and Curriculum Area (6 credits)</b>		
Select at least two courses (6 credits) in Pedagogy and Curriculum *		6
<b>Cultural Foundations Area (6 credits)</b>		
Select at least two courses (6 credits) in Cultural Foundations *		6
<b>Optional Electives (0-6 credits)</b>		
Select up to two additional courses (0-6 credits) from graduate-level courses in ELC or another department *		0-6
<b>Total Credit Hours</b>		<b>12-18</b>

\* With approval of the student's advisor.

## School Administration, Post-Master's Certificate

The Post-Master's Certificate in School Administration requires 24-27 credit hours and is designed to prepare students for positions as principals or assistant principals and meets the requirements of the state legislation that supports an alternative path to school administration licensure (also known as "add-on" principal licensure).

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a current resume that details all previous leadership and professional roles and a personal statement (see departmental website for topic and details). One of the required recommendations must come from a principal or education supervisor. Some applicants may be requested to participate in an interview.

Qualified applicants will have a master's degree in education or a field closely affiliated with youth or adult development and at least three years of teaching or other professional educational experience (not limited to public schools).

Application deadline April 30.

## Certificate Program Requirements

**Required:** 24-27 credit hours

Code	Title	Credit Hours
<b>Required Courses (12-15 credits) *</b>		
ELC 735	The School Principalship	3
ELC 736	Leadership for Teaching and Learning	3
ELC 737	Teacher Rights, Recruitment, Retention, and Evaluation	3
ELC 738	Cultural and Political Dimensions of Schooling	3
<b>Required Field Experiences (12 credits)</b>		
ELC 740	Practicum in Educational Administration **	12
<b>Total Credit Hours</b>		<b>24</b>

\* Based on an assessment of a student's academic and professional background as reflected in the application, the P.M.C. committee may require students to take an additional course in the ELC department to help prepare them for a school leadership role.

\*\* Students are required to complete an internship experience equivalent to one year of full-time administrative field experience.

## Capstone Experience

To be eligible to receive NC state licensure as a principal, students must submit a Licensure Portfolio to the department for review. The portfolio will include material drawn from the student's course work and internship and provide documentary evidence of meeting state leadership standards. ELC faculty members will review the student's portfolio for approval.

# Information, Library, and Research Sciences

## Educational Research Methodology

### School of Education

254 School of Education Building

336-334-3471

<https://soe.uncg.edu/academics/departments/erm> (<https://soe.uncg.edu/academics/departments/erm/>)

**John Willse**, Chair of the Department

**Kyung Kim**, Graduate Program Director

Graduates of the degree programs offered in Educational Research Methodology are prepared for careers in such settings as universities and colleges, school systems, state and federal departments of education, social service agencies, educational research and development centers, and the corporate sector. Course work is supplemented with research experience on grants and funded projects that include measurement research and evaluation that are being conducted by individual faculty and the UNC Greensboro Center for Educational Research and Evaluation.

## Library and Information Science

### School of Education

446 School of Education Building

336-334-3477

<https://soe.uncg.edu/academics/departments/lis> (<https://soe.uncg.edu/academics/departments/lis/>)

**Lisa O'Connor**, Professor and Chair of the Department

**Joanna Depolt**, Graduate Program Director

### Mission

The central mission of the program is to "connect people, libraries, and information through research, teaching and service to enrich living and working in a global environment." This informs the work of its faculty, students and alumni.

This program is accredited by the American Library Association and leads to the Master of Library and Information Science degree and appropriate state-level certification for school media personnel and public librarians.

### About

The Master of Library and Information Science (M.L.I.S.) program prepares its graduates for an exciting and rewarding career in a field that is broad and deep in its vocational variety and committed to freedom of speech, equitable access to information and lifelong learning. The program is accredited by the American Library Association and graduates find positions in academic, public, school and special libraries, as well as in a wide array of other information work.

The M.L.I.S. program is available on the main campus in Greensboro and also totally online for students unable to attend class in Greensboro. Our online program is based on a philosophy of connection and for many classes attendance at synchronous web sessions is required. It is a 36 credit hour degree program designed for either working or full-time students and the average completion rate is 2.5 years for part-time study. There are only four core courses that cover the essential concepts common to all information work and these are supplemented by a full

complement of elective courses in specialized information resources, archival management and computer applications. Every student works with an advisor to construct a program that fits the student's interests, background and career aspirations. There is room for customization with the possibility of two independent study courses and a practicum, or field experience.

The M.L.I.S degree also offers a school library focus that has additional accreditation by the Council for the Accreditation of Educator Preparation (formerly NCATE). This concentration includes all of the courses necessary to prepare students for licensure by the North Carolina Department of Public Instruction which carries reciprocity with many other states.

#### Professor

Micheline Badih Chalhoub-Deville<sup>G</sup>  
Richard M. Luecht<sup>G</sup>

#### Associate Professor

Nora Jean Bird<sup>G</sup>  
Julia A. Hersberger<sup>G</sup>  
Kyung Yong Kim<sup>G</sup>  
Noah J Lenstra<sup>G</sup>  
Heather Michele Moorefield Lang  
Lisa Gaye O'Connor<sup>G</sup>  
Fatih Oguz<sup>G</sup>

#### Assistant Professor

Sandra Josephine Ayoo<sup>G</sup>  
April M Dawkins<sup>G</sup>  
Hamid M. Nadir  
Colin Christopher Post  
Aileen Marea Reid<sup>G</sup>  
LaTesha M Velez<sup>G</sup>

#### Clinical Assistant Professor

Sonia Marie Archer-Capuzzo<sup>G</sup>  
T Zachary Frazier<sup>G</sup>  
Tammy A Gruer  
Izzet Lofca  
Devdass Sunnassee<sup>G</sup>  
Tiffany L. S. (Dr.) Tovey<sup>G</sup>  
Katie L Walters

#### Lecturer

Sedley Tompkins Abercrombie  
Aysha Aktar  
Lisa Kay-Ludescher Barron  
Robert Charles Brucia  
Matthew J Burke  
Joanna Lynn Depolt<sup>G</sup>  
Denise Rae Lyons  
Richard J. Moniz<sup>G</sup>  
Mike Christopher Renne  
Joyce Weaver<sup>G</sup>  
Jimi Andrew Wilson

## Educational Research Methodology

#### Professor

Bob Henson<sup>G</sup>  
Randall D Penfield<sup>G</sup>

**G Graduate-level faculty**

- Information Science, B.S. (p. 628)
- Information Analytics Undergraduate Minor (p. 629)
- Information Science Undergraduate Minor (p. 629)
- Educational Research, Measurement, and Evaluation, M.S. (p. 629)
- Instructional Technology and Design, M.S. (p. 630)
- Library and Information Science, M.L.I.S. (p. 631)
- Educational Research, Measurement, and Evaluation, M.S./Ph.D. (p. 633)
- Educational Research, Measurement, and Evaluation, Ph.D. (p. 634)
- Educational Research Methodology, Doctoral Minor (p. 634)
- Educational Assessment, Post-Baccalaureate Certificate (p. 635)
- Instructional Design, Post-Baccalaureate Certificate (p. 635)
- Program Evaluation, Post-Baccalaureate Certificate (p. 635)
- Special Endorsement in Computer Education, Post-Baccalaureate Certificate (p. 636)
- Licensure-Only Programs (p. 636)

**Information Science, B.S.****Overall Requirements**

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum grade of C required in all courses listed under Major and Concentration Requirements.
- Students must have a grade point average of 2.5 for admission into this program.

**Degree Program Requirements**

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

**Major Requirements**

Code	Title	Credit Hours
<b>Required</b>		<b>30</b>
LIS 199 or LIS 201	Information Use in a Digital World *	
LIS 300	Introduction to Information Science	
IST 300	Human Information Behavior	
IST 301	Information Organization	
IST 304	Project Management in Information Organizations	
ERM 410	Data Literacy	
IST 423	Information Storage and Retrieval	
IST 466	Information Ethics and Policy	
IST 498	Capstone in Information Science **	
CSC 120	Introduction to Computer Programming for Non-Majors	

\* This course is a prerequisite to all other Major Requirements.

\*\* This course is taken the last semester of program.

**Concentration**

All students majoring in Information Science are required to complete an approved academic concentration consisting of 12 credits in one of the following areas:

- Geographic Information Systems
- Information Analytics
- Information Technology Training and Development
- Organizational and Community Informatics

**Electives**

Electives sufficient to complete the 120 credit hours required for degree.

**Geographic Information Systems Concentration Requirements**

Code	Title	Credit Hours
Select a minimum of 12 credit hours from the following		12
GES 121	Introduction to Geographic Information Science	
GES 322	Research Methods in Spatial Science	
GES 357	Principles of Cartography	
GES 358	Geographic Information Systems	
GES 359	Remote Sensing of Environment	
GES 421	Geographic Information Science	
IST 491	Practicum in Information Science	
IST 498	Capstone in Information Science	

**Information Analytics Concentration Requirements**

Code	Title	Credit Hours
Select a minimum of 12 credit hours from the following		12
ERM 411	Information Analytics	
ERM 412	Data Visualization	
ERM 413	Advanced Information Analytics	
ERM 414	Program Evaluation	
ERM 488	Special Topics in Information Analytics	
ERM 491	Practicum in Data Analytics	

**Information Technology Training and Development Concentration Requirements**

Code	Title	Credit Hours
Select a minimum of 12 credit hours from the following		12
ERM 405	Measurement and Assessment in Teaching	
IST 436	Website Production and Usability for Information Professionals	
IST 468	Community Informatics	
IST 472	Instructional Design	
IST 488	Special Topics in Information Science	

IST 491	Practicum in Information Science
IST 490	Independent Study

ERM 413	Advanced Information Analytics
ERM 414	Program Evaluation

## Organizational and Community Informatics Concentration Requirements

Code	Title	Credit Hours
<b>Select a minimum of 12 credit hours from the following</b>		
ISM 201	Essentials of Cyber Security	12
ISM 280	Information Systems for Decision Making	
ISM 301	Systems and Process Analysis	
IST 468	Community Informatics	
IST 488	Special Topics in Information Science	
IST 491	Practicum in Information Science	
LIS 430	Rsrch Opprtnts ENT/Eco Dlpmnt	
IST 490	Independent Study	

## Disciplinary Honors in Information Science Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.50 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
LIS 300	Introduction to Information Science	12
IST 300	Human Information Behavior	
IST 466	Information Ethics and Policy	
HSS 490	Senior Honors Project	

### Recognition

Receive a Certificate of Disciplinary Honors in Information Science; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact T. Zachary Frazier at [tzfrazie@uncg.edu](mailto:tzfrazie@uncg.edu) for further information and guidance about Honors in Information Science. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Information Analytics Undergraduate Minor

### Program Requirements

- Minimum of 15 credit hours.

Code	Title	Credit Hours
<b>Required</b>		
ERM 410	Data Literacy	15
ERM 411	Information Analytics	
ERM 412	Data Visualization	

## Information Science Undergraduate Minor

### Program Requirements

- GPA of 2.5 or higher in classes taken towards the minor.
- Students must have a grade point average of 2.25 or higher for admission into this program.

Code	Title	Credit Hours
<b>Required</b>		
IST 300	Human Information Behavior	12
IST 301	Information Organization	
LIS 300	Introduction to Information Science	
<i>Select one class from the following:</i>		
IST 423	Information Storage and Retrieval	
IST 436	Website Production and Usability for Information Professionals	
IST 466	Information Ethics and Policy	

## Educational Research, Measurement, and Evaluation, M.S.

The M.S. in Educational Research, Measurement, and Evaluation requires 33 credit hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

### Degree Program Requirements

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (21 credits) *</b>		
ERM 600	Validity and Validation	3
ERM 604	Methods of Educational Research	3
ERM 642	Evaluation of Educational Programs	3
ERM 650	Foundations of Qualitative Research Methods	3
ERM 667	Foundations of Educational Measurement Theory	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3
<b>Additional Required Core (6 credits)</b>		
Select 6 credits in one of the following concentrations:		6
<i>Measurement and Quantitative Methods Concentration</i>		
<i>Program Evaluation Concentration</i>		
<b>Electives (6 credits)</b>		
Select 6 credits in elective courses at the 600 level or higher **		6
<b>Total Credit Hours</b>		<b>33</b>

- \* In cases where students have previously satisfied these requirements, course substitutions may be allowed with the approval of the major advisor.
- \*\* Electives may come from any ERM courses not included in the required core or from non-ERM courses with the approval of the major advisor.

## Comprehensive Examination (Capstone Experience)

The student will successfully complete a written comprehensive examination to be arranged by the major advisor, usually in the semester in which course work is completed.

## Measurement and Quantitative Methods Concentration

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
ERM 682	Multivariate Analysis	3
ERM 669	Item Response Theory	3
<b>Total Credit Hours</b>		<b>6</b>

  

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
ERM 643	Applied Educational Evaluation	3
ERM 645	Culturally Responsive Approaches to Research and Evaluation	3
<b>Total Credit Hours</b>		<b>6</b>

## Accelerated B.A. or B.S. to M.S. in Educational Research, Measurement, and Evaluation

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in Educational Research Methodology. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNCG is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. Standard application requirements for the Master of Science (M.S.) degree program (i.e., undergraduate transcript(s), three letters of recommendation, personal statement; GRE scores are not required) apply to the AMP.

All applicants must complete the Accelerated Master's Program information along with their application for admission to the Educational Research Methodology M.S. degree program. Admitted students may apply a maximum of 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degrees, provided that they earn a grade of 3.5 or better in each graduate course and fulfill graduate-level requirements.

### Courses

As with all graduate students in Education Research Methodology, courses counted toward the M.S. degree need the prior approval of the Graduate Program Director. Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward

both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.S. degree requires 33 credit hours of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete an additional 21 credits of graduate-level course work to complete the M.S. degree. Please see the University Catalog for a full description of the M.S. degree requirements.

The following courses have been identified as those that may be counted toward the M.S. degree while also counting toward the student's bachelor degree. These courses have been chosen because they are well suited to AMP students and because they are offered frequently enough to provide students substantial opportunity to enroll in them. All courses that lead to the completion of the M.S. degree must be approved with the Graduate Program Director. The following courses may be counted toward the bachelor and master's degrees:

Code	Title	Credit Hours
ERM 600	Validity and Validation	3
ERM 604	Methods of Educational Research	3
ERM 642	Evaluation of Educational Programs	3
ERM 650	Foundations of Qualitative Research Methods	3
ERM 667	Foundations of Educational Measurement Theory	3
ERM 680	Intermediate Statistical Methods in Education	3
ERM 681	Design and Analysis of Educational Experiments	3

Substitutions for the above courses require the permission of the Graduate Program Director in the Educational Research Methodology department. Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the B.A. or B.S. program.

## Instructional Technology and Design, M.S.

The Master's of Science in Instructional Technology and Design prepares teachers, instructors, and trainers to design, deliver, and assess top-quality, accessible learning and development solutions across industries, including academia, government, military, nonprofits, and the private sector.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by The Graduate School, applicants must submit:

- Transcripts for all undergraduate degrees awarded.
- Transcripts for all graduate degrees awarded (if applicable).
- TOEFL/IELTS scores (if appropriate).
- A resume.
- A one-page statement of professional goals as related to the M.S. in Instructional Technology and Design. Please provide a one-page (single-spaced, one-inch margins, 12pt font) statement of interest in the program and how it will help advance your personal and career goals. In your statement, consider the following questions; although you need not answer them point by point, you should be sure to cover these themes within your statement:

- How you became interested in pursuing a career in instructional technology and design. Consider including how volunteer, educational, work, and/or personal experiences have led to your decision.
  - What specific contexts are you interested in applying instructional technology and design skills.
  - What is your vision for a future career in instructional technology and design.
  - Why you are interested in the M.S. in Instructional Technology and Design program at UNC Greensboro.
- Three letters of recommendation. Your reference providers are required to write a letter on your behalf in addition to filling out the required form. We also recommend that at least one of your letters of recommendation come from a previous professor or course instructor.

## Degree Program Requirements

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (15 credits)</b>		
LIS 672	Instructional Design	3
LIS 676 or TED 646	Introduction to Equity Education Introduction to Equity Education	3
ERM 605 or ERM 604 or LIS 661	Educational Measurement and Evaluation Methods of Educational Research Introduction to Research Methods	3
SES 662	Assistive Technology for Inclusive Education	3
TED 669 or LIS 669	Educational Implications of Learning and Developmental Theory Educational Implications of Learning and Developmental Theory	3
<b>Pedagogical Expertise (15 credits)</b>		
Select 15 credits from the following: *		15
LIS 630	Computer Technologies for Information Management	
LIS 631	Emerging Technology Trends	
LIS 635	Introduction to Technology Resources	
LIS 637	Instructional Communication and Technologies	
LIS 638	Technology, Equity, and Society	
LIS 671	Designing Blended and eLearning Environments	
LIS 674	Seminar: Issues and the Virtual Community	
LIS 675	eLearning Design	
LIS 688	Seminar in Selected Topics	
LIS 690	Independent Study	
LIS 691	Practicum	
TED 610	Integrating Technology into Subject Matter Instruction	
TED 628	Trends and Issues in Curriculum and Instruction **	
<b>Capstone (3 credits)</b>		
LIS 677	Capstone Experience in Instructional Technology	3
<b>Total Credit Hours</b>		<b>33</b>

\* Or approved substitutes.

\*\* When topic is Integrating Technology into the K-12 Curriculum.

## Accelerated B.S. to M.S. in Instructional Technology and Design Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Information Science with a concentration in Information Technology Training and Development may apply for admission to the Accelerated Master's Program (AMP) and the M.S. in Instructional Technology and Design program. A cumulative undergraduate GPA of at least 3.0 based on at least 30 credits earned at UNC Greensboro is required and a 3.5 GPA in major courses is required. Applicants must have completed at least 60 credits and have declared their concentration in Information Technology Training and Development and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Master's Program information when applying for admission to the M.S., submitting all application materials. GRE scores are not required.

### Courses

Admitted students may apply up to 6 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program in Instructional Technology and Design must be approved by the Graduate Program Director and must be specified on the Accelerated Master's Program request from the following LIS courses:

Code	Title	Credit Hours
<b>Required Course (3 credits)</b>		
LIS 672	Instructional Design	3
<b>Elective Course (3 credits)</b>		
Select one course (3 credits) from the following:		3
LIS 636	Website Production and Usability for Information Professionals	
LIS 637	Instructional Communication and Technologies	
LIS 675	eLearning Design	

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Instructional Technology and Design remain the same.

## Library and Information Science, M.L.I.S.

The M.L.I.S. in Library and Information Science emphasizes the rapidly changing needs in technology-enabled information provision. It focuses on the theory and practice of information collection, transmission, and utilization in traditional and electronic forms, including instruction in information classification and organization, storage and processing, transfer and dissemination, communication and networking, systems planning and design, human interfacing and use analysis, database development, and policy analysis.

Interdisciplinary in nature, the curriculum includes courses in informatics, the design and creation of information technology systems, human centered technology design, the psychology of human information behavior, instructional methods, and resource and personnel management. It prepares students for positions of leadership in fields that require information specialists such as libraries, schools, museums, health care, business, and for a variety of roles in both public and private agencies. The M.L.I.S. requires 36 credit hours. In addition to the general M.L.I.S. degree, there are two concentrations that students may select: the Instructional Technology Concentration and the School Library Media Coordinator Concentration. The Instructional Technology Concentration prepares students to apply for 077 licensure in North Carolina. The School Library Media Coordinator Concentration prepares students to apply for 076 licensure. All M.L.I.S. graduates may qualify for North Carolina Public Library Certification.

The M.L.I.S. program is accredited by the American Library Association and is approved by the North Carolina Department of Public Instruction for the licensure of school library media personnel. The school library media specialist program is approved by CAEP using the AASL/ALA professional education association guidelines.

The M.L.I.S. program with all concentrations is offered on the UNC Greensboro campus and online in a synchronous meeting format.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials requested by the Graduate School, applicants for the M.L.I.S. program and for the licensure only programs must submit a resume and personal statement.

Admission for all programs are processed as received and there is no fixed deadline for fall and spring admission. Applicants are urged to submit complete applications as early as possible for thorough review.

## Degree Program Requirements

**Required:** 36 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (15 credits)</b>		
LIS 600	Foundations of Library and Information Science	3
LIS 620	Information Sources and Services	3
LIS 640	Information Organization and Access	3
LIS 650	Leadership and Management in Information Organizations	3
LIS 698	Capstone Experience in Library and Information Science	3
<b>Additional Technology Requirement (3 credits)</b>		
Select one course (3 credits) from the following: *		3
LIS 630	Computer Technologies for Information Management	
LIS 631	Emerging Technology Trends	
LIS 635	Introduction to Technology Resources	
<b>Electives (18 credits)</b>		
Select 18 credits from graduate courses in LIS or cognate fields **		18
<b>Total Credit Hours</b>		<b>36</b>

\* With the advisement of the student's advisor.

\*\* With the advisement of the student's advisor. Students in licensure programs in schools or state certification in public libraries should confer with faculty advisors for specific requirements.

## Instructional Technology Concentration

**Required:** 36 credit hours

The M.L.I.S. with an Instructional Technology (077 licensure) Concentration is designed for teachers and other candidates who wish to focus their studies on instructional technology as it relates to library and information science.

Code	Title	Credit Hours
<b>Required Core Courses (15 credits)</b>		
LIS 600	Foundations of Library and Information Science	3
LIS 620	Information Sources and Services	3
LIS 640	Information Organization and Access	3
LIS 650	Leadership and Management in Information Organizations	3
LIS 698	Capstone Experience in Library and Information Science	3
<b>Concentration Courses (21 credits)</b>		
LIS 630	Computer Technologies for Information Management	3
LIS 631	Emerging Technology Trends	3
LIS 635	Introduction to Technology Resources	3
LIS 672	Instructional Design	3
LIS 691	Practicum	3
SES 662	Assistive Technology for Inclusive Education	3
TED 610	Integrating Technology into Subject Matter Instruction	3
<b>Total Credit Hours</b>		<b>36</b>

## School Library Media Coordinator Concentration (076)

**Required:** 36 credit hours

The M.L.I.S. with a School Library Media Coordinator (076 licensure) Concentration program is designed for anyone who would like to work in public school libraries. Students without a current North Carolina teaching license will be required to take additional course work including an additional practicum.

Code	Title	Credit Hours
<b>Required Core Courses (15 credits)</b>		
LIS 600	Foundations of Library and Information Science	3
LIS 620	Information Sources and Services	3
LIS 640	Information Organization and Access	3
LIS 650	Leadership and Management in Information Organizations	3
LIS 693	Practicum/Capstone Experience in School Library Media	3
<b>Designated Electives (15 credits)</b>		
LIS 617	Materials for Children	3
LIS 618	Materials for Adolescents	3
LIS 635	Introduction to Technology Resources	3

LIS 653	The School Library	3
LIS 654	School Library Media Specialist and the Curriculum	3
<b>Electives (6 credits)</b>		
	Select 6 credits of electives from LIS graduate courses *	6
<b>Total Credit Hours</b>		<b>36</b>

\* With the advisement of the student's advisor. Students may select elective courses outside LIS with approval from their advisor or the School Library Media Program Coordinator.

## Accelerated B.S. to M.L.I.S. in Library and Information Science

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Information Science may apply for admission to the Accelerated Master's Program (AMP) and the M.L.I.S. in Library and Information Science program. A cumulative undergraduate GPA of at least 3.0 based on at least 30 credits earned at UNC Greensboro is required and a 3.5 GPA in major courses is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year. All applicants must submit the Accelerated Master's Program information when applying for admission to the M.L.I.S., submitting all application materials. GRE scores are not required.

### Courses

Admitted students may apply up to 9 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements. The graduate courses the student will take within the Accelerated Master's Program in Library and Information Science must be approved by the Graduate Program Director and must be specified on the Accelerated Master's Program request from the following LIS courses:

Code	Title	Credit Hours
LIS 630	Computer Technologies for Information Management	3
LIS 636	Website Production and Usability for Information Professionals	3
LIS 638	Technology, Equity, and Society	3
LIS 639	History of Information Technologies	3
LIS 643	Metadata	3
LIS 661	Introduction to Research Methods	3

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.L.I.S. in Library and Information Science remain the same.

## Educational Research, Measurement, and Evaluation, M.S./Ph.D.

The Ph.D. in Educational Research, Measurement, and Evaluation requires 78 credit hours beyond the baccalaureate degree (for student's entering the program in the M.S./Ph.D. track).

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

Required: 78 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (24 credits)<sup>1</sup></b>		
ERM 700	Validity and Validation	3
ERM 704	Methods of Educational Research	3
ERM 741	Evaluation of Educational Programs	3
ERM 749	Foundations of Qualitative Research Methods	3
ERM 767	Foundations of Educational Measurement Theory	3
ERM 768	Survey Research Methods in Education	3
ERM 780	Intermediate Statistical Methods in Education	3
ERM 781	Design and Analysis of Educational Experiments	3
<b>Additional Required Core (12 credits)</b>		
Select 12 credits in one of the following concentrations:		12
Measurement and Quantitative Methods Concentration		
Program Evaluation Concentration		
<b>Electives (30 credits)</b>		
Select 30 credits in elective courses at the 600 level or higher <sup>2</sup>		30
<b>Dissertation</b>		
ERM 799	Dissertation <sup>3</sup>	12
<b>Total Credit Hours</b>		<b>78</b>

<sup>1</sup> In cases where students have previously satisfied these requirements, course substitutions may be allowed with the approval of the major advisor.

<sup>2</sup> Electives may come from any ERM courses not included in the required core or from non-ERM courses with the approval of the major advisor. At least 15 credits must be ERM courses.

<sup>3</sup> Research that culminates in the preparation of a required doctoral dissertation.

## Comprehensive Examination

Students are required to take the M.S. comprehensive exam following 24 credits of core courses and electives. Students must successfully pass the M.S. comprehensive exam and formally apply to graduate from the M.S. program by The Graduate School deadline before taking courses in the doctoral program.

The student will successfully complete a written comprehensive examination to be arranged by the doctoral advisor, usually in the semester in which course work is completed.

## Measurement and Quantitative Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
ERM 733	Second Language Assessment and Testing	3
ERM 769	Item Response Theory	3
ERM 782	Multivariate Analysis	3
ERM 785	R for Education and the Social Sciences	3
<b>Total Credit Hours</b>		<b>12</b>

## Program Evaluation Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
ERM 720	Evaluation and Public Policy	3
ERM 743	Advanced Theory in Program Evaluation	3
ERM 745	Culturally Responsive Approaches to Research and Evaluation	3
ERM 752	Applied Educational Evaluation	3
<b>Total Credit Hours</b>		<b>12</b>

# Educational Research, Measurement, and Evaluation, Ph.D.

The Ph.D. in Educational Research, Measurement, and Evaluation requires 60 credit hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

**Required:** 60 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (18 credits)<sup>1</sup></b>		
ERM 700	Validity and Validation	3
ERM 741	Evaluation of Educational Programs	3
ERM 749	Foundations of Qualitative Research Methods	3
ERM 767	Foundations of Educational Measurement Theory	3
ERM 768	Survey Research Methods in Education	3
ERM 781	Design and Analysis of Educational Experiments	3
<b>Additional Required Core (12 credits)</b>		
Select 12 credits in one of the following concentrations:		12
<i>Measurement and Quantitative Methods Concentration</i>		
<i>Program Evaluation Concentration</i>		
<b>Electives (18 credits)</b>		
Select 18 credits in elective courses at the 600 level or higher <sup>2</sup>		18
<b>Dissertation (12 credits)</b>		
ERM 799	Dissertation <sup>3</sup>	12
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> In cases where students have previously satisfied these requirements, course substitutions must be made pending agreement of the major advisor.

<sup>2</sup> Electives may come from any ERM courses not included in the required core or from non-ERM courses with the approval of the major advisor. At least 9 credits must be ERM courses.

<sup>3</sup> Research that culminates in the preparation of a required doctoral dissertation.

## Comprehensive Examination

The student will successfully complete a written comprehensive examination to be arranged by the doctoral advisor, usually in the semester in which course work is completed.

## Measurement and Quantitative Methods Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
ERM 733	Second Language Assessment and Testing	3
ERM 769	Item Response Theory	3
ERM 782	Multivariate Analysis	3
ERM 785	R for Education and the Social Sciences	3
<b>Total Credit Hours</b>		<b>12</b>

## Program Evaluation Concentration

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
ERM 720	Evaluation and Public Policy	3
ERM 743	Advanced Theory in Program Evaluation	3
ERM 745	Culturally Responsive Approaches to Research and Evaluation	3
ERM 752	Applied Educational Evaluation	3
<b>Total Credit Hours</b>		<b>12</b>

# Educational Research Methodology, Doctoral Minor

## Minor Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Core Courses (15 credits)</b>		
Select 15 credits from the following:		15
ERM 700	Validity and Validation	
ERM 726	Advanced Topics in Educational Measurement	
ERM 727	Computer-Based Testing: Methods and Applications	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 733	Second Language Assessment and Testing	
ERM 734	Equating	
ERM 736	Advanced Studies in Second Language Testing	
ERM 741	Evaluation of Educational Programs	
ERM 742	Advanced Topics in the Evaluation of Educational Programs	

ERM 750	Case Study Methods in Educational Research
ERM 752	Applied Educational Evaluation
ERM 767	Foundations of Educational Measurement Theory
ERM 768	Survey Research Methods in Education
ERM 769	Item Response Theory
ERM 771	Advanced Item Response Theory
ERM 772	Multidimensional Item Response Theory
ERM 774	Data Visualization and Presentation
ERM 780	Intermediate Statistical Methods in Education
ERM 781	Design and Analysis of Educational Experiments
ERM 782	Multivariate Analysis
ERM 785	R for Education and the Social Sciences
<b>Total Credit Hours</b>	<b>15</b>

Select 6 credits from the following:	6
LIS 636	Website Production and Usability for Information Professionals
LIS 671	Designing Blended and eLearning Environments
LIS 674	Seminar: Issues and the Virtual Community
LIS 688	Seminar in Selected Topics
<b>Total Credit Hours</b>	<b>12</b>

## Program Evaluation, Post-Baccalaureate Certificate

Program evaluation is a systematic method for collecting, analyzing, and using data to examine the effectiveness and efficiency of programs or policies, contributing to continuous program improvement. The certificate program is based on the American Evaluation Association's competencies, equipping current and future evaluators with a breadth of understanding of culturally-responsive and socially just evaluation. This prepares students to lead program evaluation efforts that address social justice in line with the evolving nature of evaluation practice. Participants will learn applied methods, techniques, and processes, and how evaluation fits into larger economic, social, and political contexts. The program addresses the need for evaluators in government, nonprofit, and private sectors at the state, national, and international levels to practice high-quality culturally responsive and social justice-focused evaluations across disciplines. This program is designed for individuals who:

- currently are required to conduct evaluation as part of their jobs, but do not have formal training in evaluation,
- want to brush up their evaluation practice,
- novice or new evaluators, and/or
- are seeking to deepen their understanding of evaluation practice.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Educational Assessment, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Educational Assessment requires 15 credit hours and provides school district testing coordinators or school administrators the opportunity to acquire focused education in educational assessment and evaluation.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
ERM 517 (COURSE INACTIVE)		3
ERM 604	Methods of Educational Research	3
ERM 605	Educational Measurement and Evaluation	3
ERM 642	Evaluation of Educational Programs	3
ERM 675	Data Visualization and Presentation	3
<b>Total Credit Hours</b>	<b>15</b>	

## Instructional Design, Post-Baccalaureate Certificate

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the applicant's materials required by the Graduate School, applicants must submit a statement of interest. No letters of recommendation or tests are required.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
LIS 637	Instructional Communication and Technologies	3
LIS 672	Instructional Design	3

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
ERM 642	Evaluation of Educational Programs	3
or ERM 741	Evaluation of Educational Programs	3
ERM 643	Applied Educational Evaluation	3
or ERM 752	Applied Educational Evaluation	3
ERM 645	Culturally Responsive Approaches to Research and Evaluation	3
or ERM 745	Culturally Responsive Approaches to Research and Evaluation	3

### Area of Emphasis (3 credits)

Select one course (3 credits) from the following: *	3
ERM 600 Validity and Validation or ERM 700 Validity and Validation	
ERM 604 Methods of Educational Research or ERM 704 Methods of Educational Research	

ERM 644	Approaches to Collaborative Research and Evaluation in Education
or ERM 744	Approaches to Collaborative Research and Evaluation in Education
ERM 650	Foundations of Qualitative Research Methods
or ERM 749	Foundations of Qualitative Research Methods
ERM 667	Foundations of Educational Measurement Theory
or ERM 767	Foundations of Educational Measurement Theory

**Total Credit Hours** 12

\* That aligns with the student's cohort area of emphasis (e.g. measurement, policy, collaborative evaluation).

## Special Endorsement in Computer Education, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate for Special Endorsement in Computer Education requires 18 credit hours and is offered jointly by the departments of Library and Information Science and Teacher Education and Higher Education. The certificate provides educators with extensive knowledge and skills to work with students and other teachers to use computers in on-going instructional programs and to serve as a computer education leader for a school. Completion of the certificate provides NC licensed teachers the opportunity to fulfill requirements to apply for the NC endorsement for the position of Technology Facilitator. Offered on-campus or online.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the requirements set forth by the Graduate School, applicants must submit a resume and personal statement and currently hold a North Carolina teaching license.

## Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (18 credits)</b>		
LIS 630	Computer Technologies for Information Management	3
LIS 631	Emerging Technology Trends	3
LIS 635	Introduction to Technology Resources	3
LIS 672	Instructional Design	3
SES 662	Assistive Technology for Inclusive Education	3
TED 610	Integrating Technology into Subject Matter Instruction	3

**Total Credit Hours** 18

## Licensure-Only Programs

### Licensure in Instructional Technology (077)

Candidates who already have an advanced degree in education or who already have a M.L.I.S./M.L.S. degree may earn Instructional Technology (077) licensure by taking the 18 credit hours of specialized course requirements and a practicum.

### Licensure in School Library Media Coordinator (076)

School Library Media Coordinator (076) licensure is not an add-on degree or a lateral-entry degree. Prospective students who have an undergraduate degree or graduate degree in another discipline must additionally earn the M.L.I.S. degree to be licensed. Individuals cannot be licensed as school librarians without having a graduate library and information science degree.

Individuals who already have a M.L.I.S. or M.L.S. degree may add School Library Media Coordinator (076) licensure by completing the licensure-only program which involves taking five school library courses equaling 15 credit hours. Additional education hours may be required for individuals who have never taught and are not previously licensed teachers. A Specialty Area Praxis exam is required (5312) with a passing score of 145.

### Licensure in School Library Media Supervisor (078)

School Library Media Supervisor (078) licensure is required for service as Director of Media Services in a school system. This is an add-on license that is based on eligibility to hold the School Library Media Coordinator licensure plus 9 graduate credit hours in administration, curriculum development, or supervision and three years of acceptable experience as a school librarian. Course work leading to eligibility for School Library Media Supervisor (078) licensure is offered to applicants who already have a M.L.I.S. degree, a School Library Media Coordinator license, and three or more years experience as a school librarian. A Specialty Area Praxis exam is required (5411) with a passing score of 145.

This licensure program is offered sporadically based on interest. Individuals interested in this license should contact the School Library and Licensure Program Coordinator in the Department of Library and Information Science.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants for the licensure only program must submit a resume and personal statement.

A GRE or MAT score is not required.

## Licensure Requirements

### Licensure in Instructional Technology

**Required:** 18 credit hours

- Submit a Candidate Agreement form (<https://soe.uncg.edu/academics/departments/lis/lis-student-forms/>) to the program coordinator.
- Maintain a GPA of 3.0 or higher.
- Archive all course assignments required as evidence for accreditation and post them to your final portfolio by the last semester of the program.
- Score 3 or above on all teaching dispositions.
- Receive a satisfactory evaluation on the practicum.
- Acquire professional liability insurance for all courses with field-based component (LIS 691, 692, & 693).
- Submit to a criminal background check before completing LIS 691, 692, & 693.

Code	Title	Credit Hours
<b>Required Courses (18 credits)</b>		
LIS 630	Computer Technologies for Information Management	3
LIS 631	Emerging Technology Trends	3
LIS 635	Introduction to Technology Resources	3
LIS 672	Instructional Design	3
SES 662	Assistive Technology for Inclusive Education	3
LIS 691	Practicum	3
<b>Total Credit Hours</b>		<b>18</b>

## Licensure in School Library Media Coordinator

**Required:** 15 credit hours

- Submit a Candidate Agreement form (<https://soe.uncg.edu/academics/departments/lis/lis-student-forms/>) to the program coordinator.
- Maintain a GPA of 3.0 or higher.
- Archive all course assignments required as evidence for accreditation and post them to your final portfolio by the last semester of the program.
- Score 3 or above on all teaching dispositions.
- Receive a satisfactory evaluation on the practicum.
- Acquire professional liability insurance for all courses with field-based component (LIS 691, 692, & 693).
- Submit to a criminal background check before completing LIS 691, 692, & 693.

## Licensure in School Library Media Supervisor

**Required:** 9 credit hours

- Submit a Candidate Agreement form (<https://soe.uncg.edu/academics/departments/lis/lis-student-forms/>) to the program coordinator.
- Maintain a GPA of 3.0 or higher.
- Archive all course assignments required as evidence for accreditation and post them to your final portfolio by the last semester of the program.
- Score 3 or above on all teaching dispositions.
- Receive a satisfactory evaluation on the practicum.
- Acquire professional liability insurance for all courses with field-based component (LIS 691, 692, & 693).

- Submit to a criminal background check before completing LIS 691, 692, & 693.

# Specialized Education Services

## School of Education

444 School of Education Building

336-334-5843

<https://soe.uncg.edu/academics/departments/ses> (<https://soe.uncg.edu/academics/departments/ses/>)

**Morgan Chitiyo**, Professor and Chair of Department

**Sam Parker**, Clinical Professor and Associate Chair of Department

**Marcia Rock**, Graduate Program Director

## About

The primary goal of the Department of Specialized Education Services is to prepare professionals for diverse roles in working with individuals with disabilities and individuals who are D/deaf or hard of hearing across the life span in a variety of educational and community environments. Programs in the department emphasize the delivery of services in the continuum settings, with a focus on interdisciplinary and interagency collaboration.

Upon graduation from the undergraduate programs, students are prepared for professional careers in public and private schools, residential settings, community agencies, clinics, and organizations. Faculty teaching, research, and service activities facilitate these outcomes.

Upon graduation from the graduate programs, students are prepared for leadership roles in early childhood, special education, and deaf education that enable them to assume positions such as consultant, teacher, early interventionist, community college teacher, special services administrator, advocate, researcher, and university faculty member or other leadership roles.

All students in SES programs are required to demonstrate that they have read, understand, and are able to completely meet the technical standards for their programs. Technical standards are outlined in each program's handbook. All students in SES programs must have reliable transportation to and from practicum and/or internship sites.

The department also offers several graduate interdisciplinary programs jointly with the Department of Human Development and Family Studies: a M.Ed. in Birth-Kindergarten Interdisciplinary Studies in Education and Development; a Post-Baccalaureate Certificate in Birth-Kindergarten Initial Licensure; a Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning; and an Add-On Licensure in Birth through Kindergarten. For information about these programs, see the Birth Through Kindergarten section under Interdisciplinary Programs (p. 770).

## Accreditation(s)

All teacher education programs are fully accredited by the Council for Accreditation of Educator Preparation. Graduate study in the Department of Specialized Education Services may lead to teacher licensure with the degree of Master of Education. All students enrolled in SES programs must meet departmental technical standards.

### Professor

**Morgan Chitiyo**<sup>G</sup>

**Marcie Lee Rock**<sup>G</sup>

**Diane Lea Rhyndak**<sup>G</sup>

### Clinical Professor

Samuel Deveaux Parker<sup>G</sup>

### Associate Professor

Salih Rakap<sup>G</sup>

### Assistant Professor

Heather Megan Coleman<sup>G</sup>

### Clinical Assistant Professor

Lynne B. Allen

Julie Irene Bost

Hatice Arzu Ghulamani<sup>G</sup>

Frank Anthony Griffin

Debra G. Holzberg<sup>G</sup>

### Lecturer

Erica Bergmann

Jodi Ann Hayes

Carol Jordan

Susan Joann Kingsley

Judith E. Labath

Joane Mapas

Vickie L Morefield

Kelle Lea Owens

Jenese E Portee

Alicia Salemme Tate

Kimberly M. Terry

Glenda S. Torres

Nannie Bowman Wooten

### G Graduate-level faculty

- Interpreting, Deaf Education, and Advocacy Services, B.S. (p. 638)
- Special Education: General Curriculum, B.S. (p. 643)
- Add-On Licensure in Deaf and Hard of Hearing (p. 645)
- Special Education: General Curriculum, M.Ed. (p. 646)
- Special Education, Ph.D. (p. 646)
- Instructional Coaching, Post-Master's Certificate (p. 647)
- Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) (p. 648)

These interdisciplinary programs are jointly offered by the Department of Human Development and Family Studies and the Department of Specialized Education Services:

- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 770)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 771)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 771)
- Add-On Licensure in Birth through Kindergarten (p. 772)

## Interpreting, Deaf Education, and Advocacy Services, B.S.

The Interpreting, Deaf Education, and Advocacy Services B.S. offers three concentrations from which students may choose. All areas of study focus on the unique educational needs of D/deaf and hard of hearing children and professional services for the D/deaf community

emphasizing language acquisition, teaching methods, interpreting skills and communication modes. Specialized training in communication modes is offered through American Sign Language classes. Supervised experiences are available for student observations, volunteer work, and practicum in area public schools and other settings.

See also School of Education Licensure Programs for Teacher Education admission requirements.

### **Advocacy and Services for the Deaf Concentration**

The Advocacy and Services for the Deaf concentration is designed to prepare professionals to work with individuals who are Deaf or hard of hearing in a variety of settings other than K-12 schools. Students in the concentration have required courses in SES and a variety of options regarding course work in related fields and departments. Students will have acquired the skills necessary for jobs in Resource Centers for the Deaf, Service Centers for the Deaf, Vocational Rehabilitation, Mental Health services, and group home settings.

Upon completion of the Advocacy and Services for the D/deaf program, students are able to:

- Identify and explain the services/roles of different community agencies available to individuals who are D/deaf or hard of hearing.
- Identify specific needs of individuals who are D/deaf or hard of hearing relative to their age, gender, ethnicity, and English language ability to identify appropriate services in the community where these individuals' needs may be addressed.
- Identify different helping professions and select one in which they would like to pursue graduate-level studies.
- Discuss the organizational structures and funding sources of community agencies that advocate for and serve individuals who are D/deaf or hard of hearing.
- Take part in collaborating with service providers from multiple agencies to develop a rehabilitation/habitation plan for clients who are D/deaf or hard of hearing.

### **Interpreter Preparation Concentration**

The Interpreter Preparation concentration provides training at the undergraduate level to prepare students to work as interpreters for D/deaf and hard of hearing individuals in the community as well as in educational settings. Internships take place in inclusive settings in the public schools, post-secondary institutions, and in the community.

Students desiring to pursue a degree in interpreting must:

- have adequate visual and auditory abilities necessary to interpret in a variety of settings.
- have time available in their schedules for the purpose of interacting with the Deaf Community and completing their observation, community service, and interpreting hours.
- be physically capable of completing all movements that occur in the production of American Sign Language that is conveyed via hands, mouth, morphemes, eyebrows, torso, eyes, and facial expressions.
- have reliable transportation to and from practicum and/or observation sites.

Upon completion of this program, students will be able to:

- Demonstrate a basic level of proficiency in interpreting consecutively and/or simultaneously from the source language to the target language via American Sign Language or various forms of signed English.

- Incorporate various interpreting and facilitation techniques with regard to the setting and the age, gender, ethnicity, and special needs of the clients involved.
- Articulate the roles and responsibilities of the interpreter/transliterator as well as the Code of Ethics, health issues, certification process, and best practices established by the profession.
- Discuss the audiological, social, emotional, linguistic, cultural and academic implications for individuals who are D/deaf or hard of hearing and their impact on the interpreting process.
- Utilize the broad spectrum of information learned through various liberal arts, communication, and educational courses to enhance their ability to interpret general discourse within several fields.
- Assess their interpreting/transliterating performance and develop a plan for continued professional growth.

### **K-12 Deaf and Hard of Hearing Teacher Licensure Concentration**

The K-12 Deaf and Hard of Hearing Teacher Licensure concentration provides preparation at the undergraduate level for students planning to provide educational services for children who are D/deaf or hard of hearing from kindergarten through grade 12. Students successfully completing all requirements will be recommended for initial licensure from the North Carolina Department of Public Instruction in K-12 Deaf and Hard of Hearing Teacher. Coursework and field work are designed to ensure that graduates acquire the twenty-first-century professional teaching knowledge and skills to communicate with and facilitate language and academic learning for students who are D/deaf or hard of hearing.

### **Student Learning Goals**

Students completing the program are able to:

- Demonstrate understanding of current federal and North Carolina law and policy related to special education and related services.
- Explain the basic educational and clinical concepts relative to definitions, characteristics, identification, and diagnosis of students with who are D/deaf or hard of hearing.
- Demonstrate a comprehensive working knowledge of language through natural modes, and implement programs for children, and youth who are D/deaf or hard of hearing that successfully incorporate these understandings.
- Use a variety of assessments to develop educational plans, document learning, and evaluate the effectiveness of instruction with children and youth who are D/deaf or hard of hearing.
- Facilitate access to the standard curriculum by children and youth who are D/deaf or hard of hearing based on communicative, linguistic, social, and cognitive abilities of the learner.
- Work collaboratively with other school professionals, paraprofessionals, parents, and community and agency personnel to meet the needs of students who are D/deaf or hard of hearing.

### **Advocacy and Services for the Deaf Concentration**

#### **Admission Process**

There is no formal admission into the program. Upon enrollment in the university, students must meet with the advisor designated for their specific concentration to review forms outlining technical standards, dispositions, and program requirements. Students must then satisfy the progression requirements in order to continue in the program.

### Progression Requirements

1. Satisfactory progress on Dispositions Review each semester
2. Continued demonstration of required competencies outlined in the Technical Standards
3. Passing scores on the Interpreting, Deaf Education, and Advocacy Services program benchmark assessments. If the student does not pass any of the benchmark assessments, they will not be permitted to continue in the program.
4. Achievement of a B- or higher in SES courses
5. Achievement of the following minimum GPA Requirements:  
Freshman year—1.75  
Sophomore year—2.0  
Junior and Senior year—2.50

## Interpreter Preparation Concentration

### Admission Process

There is no formal admission into the program. Upon enrollment in the university, students must meet with the advisor designated for their specific concentration to review forms outlining technical standards, dispositions, and program requirements. Students then must satisfy the progression requirements in order to continue in the program.

### Progression Requirements

1. Satisfactory progress on Dispositions Review each semester
2. Continued demonstration of required competencies outlined in the Technical Standards
3. Passing scores on the Interpreting, Deaf Education, and Advocacy Services program benchmark assessments. If a student does not pass any of the benchmark assessments, they will not be permitted to continue in the program.
4. Achievement of a B- or higher in SES courses
5. Achievement of the following minimum GPA Requirements:
  - a. Freshman year—1.75
  - b. Sophomore year—2.0
  - c. Junior and Senior year—2.50

## K-12 Deaf and Hard of Hearing Teacher Licensure Concentration

### Program Admission Requirements

1. Documentation of an overall 3.0 or better GPA and 20 hours of documented successful experience with children
2. A passing score on the PEPSI (Program Entry Potential Signing and Interpreting) and SPIL (Sign Potential at the Intermediate Level)
3. Signed and completed forms outlining Technical Standards, Dispositions, and Program Requirements
4. Grade of B- or better in SES 250
5. Completed application form and successful acceptance into the Teacher Education Program
6. A passing score on Praxis I or documented passing scores on the SAT and/or ACT as required by the NC Department of Public Instruction

### Progression Requirements

1. **Grades**  
Maintain an overall GPA 3.0 or better throughout the program and receive at least a B- or better grade in all SES and related area courses. A student will be required to retake any SES or related area course if he or she earns a grade lower than B- in the course.

2. **Admission**

Students must be admitted to Teacher Education before enrolling in the courses listed below.

Code	Title	Credit Hours
<b>Required</b>		
SES 321	Seminar/Practicum with Deaf Students I	
SES 351	Interprofessional and Instructional Field Experience 2	
SES 353	Lesson Design for Deaf Learners	
SES 360	Assessment for Exceptional Learners	
SES 378	Language Teaching Methods with Deaf Students	
SES 381	Bilingual Methods for Teaching Deaf Students	
SES 385	Structure of English & ASL	
SES 438	Literacy Methods with Deaf Learners	
SES 451	Spoken Language Facilitation in Deaf Children	
SES 461	Internship in Teaching Students with Hearing Loss	
SES 466	Positive Behavior Supports for Exceptional Learners	
SES 483	Instructional Methods: Students with Hearing Loss	

### Fieldwork and Student Teaching Internship

Students complete three field experiences prior to student teaching. Before being placed at a school site for student teaching, a student must earn a passing score on the American Sign Language Proficiency Interview (ASLPI). Students must have reliable transportation to and from practicum and/or internship sites.

### Sign Proficiency Requirement

Students progress in developing receptive and expressive American Sign Language (ASL) throughout their course work. Prior to being placed for student teaching, students must earn a passing score on the American Sign Language Proficiency Interview (ASLPI).

### Competency Assessment (PEPSI)

The Program Entry Potential for Signing and Interpreting (PEPSI) is delivered during the course listed below.

Code	Title	Credit Hours
SES 101	American Sign Language I <sup>†</sup>	

### Competency Assessment (SPIL)

The Signed Proficiency at the Intermediate Level (SPIL) is delivered during the course listed below.

Code	Title	Credit Hours
SES 102	American Sign Language II	

## Program Completion Requirements

Students must be admitted to the Teacher Education program at least one semester before being admitted to Student Teaching. Practicum and student teaching internship experiences take place within the Piedmont area in public and private school programs.

Students will be required to take and attain passing scores on standardized tests required by the NC Department of Public Instruction before being recommended for licensure.

Students will be required to complete an electronic teaching portfolio of successfully completed required artifacts before being recommended for licensure.

Transfer students may require additional semesters to complete the undergraduate degree program.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Advocacy and Services for the Deaf
- Interpreter Preparation
- K-12 Deaf and Hard of Hearing Teacher Licensure

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Advocacy and Services for the Deaf Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Achievement of a B- or higher in SES courses.
- Achievement of the following minimum GPA Requirements:  
Freshman year– 1.75  
Sophomore year– 2.0  
Junior and Senior year– 2.50

Code	Title	Credit Hours
<b>Required</b>		
SES 200	People with Disabilities in American Society	48
SES 245	History and Culture of the Deaf Community	
SES 357	The Profession of Interpreting	
SES 445	Advocacy and Services for the Deaf	
SES 463	Visual English Systems	
SES 467	Advocacy and Services for the Deaf Internship	

SES 480	Interpreting in Specialized Settings	
SES 486	Seminar and Practicum	
<i>Select a minimum of 15 credits from the following:</i>		
SES 101	American Sign Language I	
SES 102	American Sign Language II	
SES 203	American Sign Language III	
SES 204	American Sign Language IV	
SES 305	American Sign Language: English Translation	
SES 306	Advanced Narrative Structures and Storytelling in American Sign Language	
SES 366	Discourse Analysis: English/American Sign Language	
SES 369	Linguistics of American Sign Language	
<b>Related Area Requirements</b>		33
CST 105	Introduction to Communication Studies	
CST 207	Relational Communication	
CED 310	Helping Skills	
HDF 111	Human Development Across the Life Span	
or HDF 112	Families and Close Relationships	
HDF 204	Adult Development	
or HDF 221	Issues in Parenting	
HEA 310	Mental Health and Well-Being	
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	
SOC 327	Race and Ethnic Relations	
SOC 364	African American Social Thought	
SWK 215	Introduction to Social Work	

## Electives

Code	Title	Credit Hours
<i>Select a minimum of 21 credits from the following:</i>		
CSD 334	Introduction to Audiology	
CST 200	Communication and Community	
CST 210	Communicating Ethically	
CST 308	Organizational Communication	
CST 337	Intercultural Communication	
CST 341	Communication and Workplace Relationships	
CST 342	Communication and Public Relations: Strategies and Innovations	
CTR 101	Leisure and American Lifestyles	
HDF 202	Infant and Child Development	
HDF 203	Adolescent Development: From Puberty to Young Adulthood	
HEA 260	Human Sexuality	
HEA 447	Income, Social Status, and Health	
PSY 260	Psychological Perspectives on Social Psychology	
PSY 341	Adult Psychopathology	
PSY 346	The Psychology of Gender	
SES 240	Communication Development in Children	
SES 252	Survey of Learning and Behavior Differences	
SES 270	Fingerspelling and Numbers in ASL	
SES 333	Special Projects	

SES 357	The Profession of Interpreting	<b>Related Area Requirements</b>	<b>6</b>
SES 370	American Sign Language/Deaf Literature	CST 105 Introduction to Communication Studies	
SES 400	Perspectives on the Global Deaf Community	Select one of the following:	
SES 460	Home-School Partnerships for Students with Exceptional Needs	HDF 111 Human Development Across the Life Span	
SOC 222	Sociology of Deviant Behavior	HDF 112 Families and Close Relationships	
SOC 317	Criminal Justice	HDF 202 Infant and Child Development	
SOC 335	Sociology of the Family		
SOC 350	Juvenile Delinquency		
SOC 371	Race, Ethnicity, and Migration in a Global Context		
SWK 310	Social Work Policy and Restorative Justice		
SWK 311	Human Behavior and Social Environment		
SWK 315	Social Work, Diversity, and Vulnerable Populations		

### Interpreter Preparation Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Achievement of a B- or higher in SES courses
- Achievement of the following minimum GPA Requirements:
  - a. Freshman year—1.75
  - b. Sophomore year—2.0
  - c. Junior and Senior year—2.50

Code	Title	Credit Hours	
<b>Required</b>		<b>27</b>	
<i>Language Requirements</i>			
SES 101	American Sign Language I		
SES 102	American Sign Language II		
SES 203	American Sign Language III		
SES 204	American Sign Language IV		
SES 305	American Sign Language: English Translation		
SES 366	Discourse Analysis: English/American Sign Language		
SES 369	Linguistics of American Sign Language		
SES 370	American Sign Language/Deaf Literature		
<b>Core Requirements</b>		<b>59</b>	
SES 240	Communication Development in Children		
SES 244	Cognitive Processing Skills for Interpreting		
SES 245	History and Culture of the Deaf Community		
SES 357	The Profession of Interpreting		
SES 409	Interpreting Strategies: Language Facilitation		
SES 411	Diagnostics and Assessment of Interpreters		
SES 445	Advocacy and Services for the Deaf		
SES 446	Working with Diverse Deaf Populations		
SES 462	Interpreting in Educational Settings		
SES 463	Visual English Systems		
SES 477	Interpreting English to ASL I		
SES 478	Interpreting English to ASL II		
SES 480	Interpreting in Specialized Settings		
SES 486	Seminar and Practicum		
SES 487	Interpreting Internship		
SES 488	Interpreting ASL to English I		
SES 496	Interpreting ASL-to-English II		

### K-12 Deaf and Hard of Hearing Teacher Licensure Concentration Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Maintain an overall GPA 3.0 or better throughout the program and receive at least a B- or better grade in all SES and related area courses.

Code	Title	Credit Hours
<b>Core Courses</b>		
SES 101	American Sign Language I	
SES 102	American Sign Language II	
SES 203	American Sign Language III	
SES 204	American Sign Language IV	
SES 240	Communication Development in Children	
SES 245	History and Culture of the Deaf Community	
SES 250	Introduction to Professions in Specialized Education *	
SES 251	Introduction to Deaf Education	
SES 305	American Sign Language: English Translation	
SES 321	Seminar/Practicum with Deaf Students I	
SES 333	Special Projects	
SES 351	Interprofessional and Instructional Field Experience 2	
SES 353	Lesson Design for Deaf Learners	
SES 360	Assessment for Exceptional Learners	
SES 369	Linguistics of American Sign Language	
SES 378	Language Teaching Methods with Deaf Students	
SES 381	Bilingual Methods for Teaching Deaf Students	
SES 385	Structure of English & ASL	
SES 438	Literacy Methods with Deaf Learners	
SES 451	Spoken Language Facilitation in Deaf Children	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SES 461	Internship in Teaching Students with Hearing Loss	
SES 463	Visual English Systems	
SES 466	Positive Behavior Supports for Exceptional Learners	
SES 481	Instructional ASL for Educating Deaf Students	
SES 483	Instructional Methods: Students with Hearing Loss	
<b>Related Area Requirements **</b>		3
CSD 334	Introduction to Audiology	

\* A grade of B- or better must be earned in SES 250 for admission to the program.

\*\* See also Program Progression Requirements.

### Additional Requirements

In addition to course work, the items below must be accomplished.

- Completion of the Program Entry Potential for Sign Language Interpreters (PEPSI)
- Completion of the Signed Proficiency at the Intermediate Level (SPIL)
- Passing score on the American Sign Language Proficiency Interview

### Portfolio Requirement

Completion and submission of the electronic teaching portfolio via TaskStream.

## Disciplinary Honors in Specialized Education Services

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		3
HSS 490	Senior Honors Project	
<b>6 credits of Honors course work in the major</b>		6
<b>3 credits of Honors course work in the major or another area</b>		3

### Recognition

Receive a Certificate of Disciplinary Honors in Specialized Education Services; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Jon Henner at [j\\_henner@uncg.edu](mailto:j_henner@uncg.edu) for further information and guidance about Honors in Specialized Education Services. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Special Education: General Curriculum, B.S.

The Special Education Program provides opportunities for the study of school-age learners with mild to moderate disabilities (learning disabilities, behavior and/or emotional disabilities, and educable mental disabilities). Students enrolling in this program learn about trends and issues in the field of special education, characteristics and needs of students with mild to moderate disabilities, specialized teaching methods for working with these students, strategies for collaboration with parents and/or families and colleagues, positive means for providing behavior supports, and technology applications that support students' education.

In addition to courses in the major area, students elect a second academic concentration (e.g., psychology, sociology, interdepartmental studies). Field experiences and student teaching take place at local public and private schools with students who have mild to moderate disabilities. Students completing this program and its requirements are eligible for licensure by the North Carolina Department of Public Instruction in special education: general curriculum (K-12).

The Departments of Teacher Education & Higher Education and Specialized Education Services offer a dual licensure concentration in elementary education and special education. Students completing this concentration are eligible for initial licensure in Elementary Education K-6 and Special Education: General Curriculum K-12.

The Dual Licensure concentration provides undergraduate teacher candidates clinical and field-based experiences across educational settings. Throughout their course of study, students apply their knowledge and skills in classrooms to be prepared for a career in education. The concentration culminates in a student teaching placement in inclusive educational context.

Transfer students may require additional semesters to complete this undergraduate degree program.

Also see Teacher Education and Higher Education for Teacher Education admission requirements and second academic concentration requirements.

## Student Learning Goals

Students completing the teacher preparation program in Special Education: General Curriculum are able to:

- Demonstrate understanding of current federal and North Carolina law and policy related to special education and related services.
- Explain the basic educational and clinical concepts relative to definition, characteristics, identification, and diagnosis of students with mild to moderate disabilities.
- Create or revise program models for effective special education service delivery, including transition, based on a system of care philosophy and issues related to competent professional role management.
- Use exemplary diagnostic, instructional, and therapeutic approaches, including those based on technology applications, for effectively and positively meeting the academic and social and/or emotional needs of students with mild to moderate disabilities.
- Evaluate the effectiveness of students' special education programs and services as well as overall program and service structures.
- Work collaboratively with other school professionals, paraprofessionals, parents, and community and agency personnel to meet the needs of students with mild to moderate disabilities.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
SES 240	Communication Development in Children *	
SES 250	Introduction to Professions in Specialized Education **	
SES 252	Survey of Learning and Behavior Differences	
SES 350	Interprofessional and Instructional Field Experience 1	
SES 351	Interprofessional and Instructional Field Experience 2	
SES 352	Interprofessional and Instructional Field Experience 3 <sup>1</sup>	
SES 360	Assessment for Exceptional Learners	
SES 361	Language and Emergent Literacy: Foundational Skills for Teaching Reading	
SES 447	Service Delivery Systems and Role Management	

SES 453	IEPs and Assessment
SES 460	Home-School Partnerships for Students with Exceptional Needs
SES 465	Student Teaching: Students with Mild and/or Moderate Disabilities
SES 475	Student Teaching Seminar: Students with Mild and/or Moderate Disabilities
SES 466	Positive Behavior Supports for Exceptional Learners
SES 469 & 469L	Reading Instruction for Learners with Reading Difficulties or Disabilities and Lab for Reading Instruction for Learners with Reading Difficulties or Disabilities
SES 471	Teaching Exceptional Learners the General Curriculum I
SES 472	Teaching Exceptional Learners the General Curriculum II - Math

\* SES 240 not required for Dual Elementary Education and Special Education Concentration.

\*\* Dual Elementary Education and Special Education Concentration Students, SES 250 or TED 250.

<sup>1</sup> SES 352 not required for Dual Elementary Education and Special Education Concentration.

## Teacher Licensure Requirements

Students must have a 3.0 overall grade point average to be admitted to teacher education, and a 3.0 grade point average in all courses with an SES prefix in order to be admitted to student teaching. Students must earn a C or better in program course work. Students must also have a passing score on the Praxis I, as required by the North Carolina Department of Public Instruction, to be admitted to the Teacher Education Program. In addition to the General Education Core Requirements as identified above, students must complete the following courses:

Code	Title	Credit Hours
<b>Required</b>		
LIS 120	Introduction to Instructional Technology for Educational Settings	
SPA 101 or SPA 121	Beginning Spanish I Basic Spanish for Teachers	
TED 450	Psychological Foundations of Education *	

\* TED 450 not required for Dual Elementary Education and Special Education Concentration.

## Second Academic Concentration Requirement\*

All students majoring in Special Education: General Curriculum are required to complete an approved second academic concentration consisting of course work in an academic discipline.

The following 18 credits concentrations have been approved for Special Education: General Curriculum: Biology, Chemistry and Biochemistry,

English, History, Interdisciplinary Science, Mathematics, and Physics and Astronomy.

The following 24 credit concentration has been approved for Special Education: General Curriculum: Spanish.

\* *Dual Elementary Education and Special Education Concentration is exempt from Second Academic Concentration requirement.*

## Optional Concentration

The optional concentration as detailed following the major requirements may be added, but is not required.

- Dual Elementary Education and Special Education Concentration

## Electives

Electives sufficient to complete the 120 credits required for degree.

### Dual Elementary Education and Special Education Concentration Requirements

Code	Title	Credit Hours
<b>Elementary Education</b>		
TED 250	Teaching as a Profession	30
or SES 250	Introduction to Professions in Specialized Education	
TED 222	Mathematics for Teaching	
TED 320	Language Arts Education	
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 360	Integrating the Social Studies in Elementary Grades	
TED 370	Science Education in the Elementary School	
TED 380	Mathematics Education	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 420	Reading Education	
TED 428	Advanced Methods in the Elementary Grades	
<b>Teacher Licensure Requirements *</b>		3
<i>Select one of the following</i>		
ARE 367	Child Art and Teaching	
DCE 345	Dance in Preschool and Elementary Settings	
MUE 361	Music for Preschool and Elementary Teachers	
THR 315	Creative Drama for the Classroom Teacher	

\* In addition to Teacher Licensure Requirements in the major requirements.

## Disciplinary Honors in Specialized Education Services

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3

<b>6 credits of Honors course work in the major</b>	<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>	<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Specialized Education Services; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Jon Henner at [j\\_henner@uncg.edu](mailto:j_henner@uncg.edu) for further information and guidance about Honors in Specialized Education Services. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Add-On Licensure in Deaf and Hard of Hearing

The Add-On Licensure in Deaf and Hard of Hearing Program offers professional preparation and training in the education of deaf and hard-of-hearing students to persons already possessing a NC teaching license in another area. The program will lead to NC License in Deaf and Hard of Hearing K-12.

### Admissions and Policies

#### Policies

- Students must complete the endorsement program within 3 years. Failure to do so will require the student to re-apply to the program.
- Students are required to be enrolled from the time of matriculation through program completion. Continuous enrollment is defined as completing a minimum of three (3) hours of credit each fall and spring semester during the academic year. This course work must be approved for the student's program of study and selected in consultation with the program director and/or advisor. State funds may not be applied to support tuition for any course that is not documented on the student's plan of study.
- All Add-On Licensure students in DHH must be enrolled for at least 1 credit during the semester in which they are scheduled to earn the endorsement.

### Prerequisites

- Initial Licensure in Education from North Carolina, including elementary education, secondary education, middle school education, content-area education (e.g. mathematics, science, social studies), special education, birth-kindergarten/early intervention.
- Minimum of two years experience in teaching.
- Introduction to Audiology course CSD 334.

### Corequisites

- Level 2 (minimum) on the American Sign Language Proficiency Interview (ASLPI) within 2 years of admission (if needed, ASL courses at UNC Greensboro within the SES department are recommended)
  - The ASLPI is an independently administered evaluation (Gallaudet University) and for which there is a cost. The student MUST pass with the minimum required level of proficiency to obtain the endorsement. The ASLPI can be taken as many times as the student wishes and/or is necessary.

## Program Requirements

- A minimum grade of 3.0 (B) is required for all courses. Students may repeat a course 1 time.

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
SES 378	Language Teaching Methods with Deaf Students	
SES 381	Bilingual Methods for Teaching Deaf Students	
SES 438	Literacy Methods with Deaf Learners	
SES 483	Instructional Methods: Students with Hearing Loss	
<i>Select one of the following:</i>		
SES 385	Structure of English & ASL	
SES 481	Instructional ASL for Educating Deaf Students	
<i>Select one of the following:</i>		
SES 451	Spoken Language Facilitation in Deaf Children	
SES 463	Visual English Systems	

## Special Education: General Curriculum, M.Ed.

This online Masters of Education (M.Ed.) program in Special Education: K-12 General Curriculum is designed to provide the opportunity for students holding an initial license in special education to gain advanced skills in serving students with disabilities. Students with a license in education but not special education will need to successfully complete two prerequisite courses (6 credits) before beginning the M.Ed. program. Throughout the course work, students have numerous opportunities to engage in case-studies and problem-based learning that include appropriate implementation of inclusive practices. The M.Ed. program leads to eligibility for advanced licensure in Special Education: General Curriculum. At least 27 credits in the program of study must be in 600-level courses.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a resume and a personal statement of goals, past experience, and unique skills. Applicants must submit all application materials required by The Graduate School by the appropriate deadline. Students are admitted in Fall, Spring, and Summer semesters.

## Degree Program Requirements

**Required:** 33 credit hours

### Prerequisites for Students Without Initial Licensure in Special Education

Code	Title	Credit Hours
SES 540	Introduction to Special Education	3
SES 659	Behavior Management	3

## Required Coursework

Code	Title	Credit Hours
SES 610	Ecologically Based Instruction	3
SES 611	Universal Design for Learning	3
SES 612	Transition Across the Age-Span	3
SES 642	Reading Instruction	3
SES 643	Special Education Trends/Issues	3
SES 645	Advanced Seminar: Special Education	3
SES 647	Collaboration and Leadership	3
SES 652	Writing Instruction	3
SES 656	Math and Science Instruction	3
SES 658	Positive Behavior Supports	3
ERM 604	Methods of Educational Research	3
<b>Total Credit Hours</b>		<b>33</b>

All department programs are fully accredited by the National Council for the Accreditation of Teacher Education. Graduate study in the Department of Specialized Education Services may lead to advanced teacher licensure with the degree of Master of Education. All students enrolled in SES programs must meet departmental technical standards.

## Additional Requirements for ALL Special Education M.Ed. Students

### Portfolio (Capstone Experience)

In addition to satisfactorily completing the above coursework, students also are required to submit a portfolio of work that demonstrates their mastery of knowledge and skills in the six program competency areas: multiple service delivery models, interdisciplinary planning and service delivery, advanced skills for assessing learner needs, advanced skills for effective instruction, collaborative planning and intervention, and improved special education services. Each student's portfolio will be developed in consultation with an advisor and will be based on the student's particular educational and work experiences. The portfolio is designed during the initial semester, refined each semester, and evaluated during the last semester prior to planned graduation. Detailed instructions for completing the portfolio are provided on the SES website ([http://www.uncg.edu/ses/gradprog/med\\_special\\_edu.html](http://www.uncg.edu/ses/gradprog/med_special_edu.html)).

### Reflective Essays

Prior to the completion of the program, each student is required to submit reflective essays that speak adequately to the ways in which products included in the portfolio meet program objectives and demonstrate attainment of competencies required for advanced licensure. An oral presentation related to the reflective portfolio and essays also are required. If the portfolio and presentation do not meet departmental standards, one revision is allowed. Detailed instructions for completing the reflective essays are located on the SES website ([www.uncg.edu/ses/gradprog/med\\_special\\_edu.html](http://www.uncg.edu/ses/gradprog/med_special_edu.html)) ([http://www.uncg.edu/ses/gradprog/med\\_special\\_edu.html](http://www.uncg.edu/ses/gradprog/med_special_edu.html)).

## Special Education, Ph.D.

The Ph.D. in Special Education is intended for students interested in special education, deaf education, or early intervention. The program requires a minimum of 69 credit hours beyond the master's degree, and it emphasizes four areas: generating knowledge to help shape the future of the field; sharing knowledge with others so that they can understand it and use it to improve their practice; facilitating strong professional

relationships through collaboration; and creating, interpreting, and implementing special education policy and procedures. Students in the SES doctoral program are required to successfully complete all listed course work. Additional course requirements are determined on an individual basis and in consultation with the student's major advisor and advisory/dissertation committee.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Degree Program Requirements

**Required:** 69-81 credit hours

Code	Title	Credit Hours
<b>Doctoral Seminars in Special Education (15 credits)</b>		
SES 753	Issues and Trends in Special Education	3
SES 755	Critical Review of Special Education Literature	3
SES 757	School Reform and Leadership in Special Education	3
SES 758	History and Future of Specialized Education	3
SES 759	Grant Writing in Special Education	3
<b>Research/Inquiry (27-30 credits)</b>		
SES 760	Single Subject Research Design	3
SES 765	Advanced Qualitative Research for Specialized Education and Related Professionals	3
SES 775	Directed Research <sup>1</sup>	3-6
ERM 780	Intermediate Statistical Methods in Education	3
ERM 781	Design and Analysis of Educational Experiments	3
ERM XXX	A third quantitative methods course (3 credits) <sup>2</sup>	3
TED 730	Qualitative Methods in Curriculum and Instruction	3
TED 738	Mixed Methods Research Design in Curriculum and Instruction	3
TED XXX	A second qualitative methods course (3 credits) <sup>2</sup>	3
<b>Professional Practice (6-12 credits)</b>		
SES 761	Coaching and Supervision of Teaching and Learning (required)	3
SES 763	College Teaching & Adult Learning Theory (required)	3
ERM 741	Evaluation of Educational Programs (optional)	3
ERM 752	Applied Educational Evaluation (optional)	3
<b>Specialization (9-12 credits) <sup>3</sup></b>		
Select a minimum of 6 credits from courses in a related area of interest		6-9
SES 749	Internship in Specialized Education	3
<b>Dissertation (12 credits) <sup>4</sup></b>		
SES 799	Dissertation	12
<b>Total Credit Hours</b>		<b>69-81</b>

course work may be in the areas of counseling, educational leadership, teacher education, early childhood, family studies, psychology, or others.

- <sup>4</sup> Each candidate for a doctoral degree must prepare and present a dissertation that focuses on some aspect of special education, that is, in one of the three areas noted above (early childhood, special education, deaf education). This product must demonstrate independent investigation and a synthesis of the skills learned in the program. The dissertation must be acceptable in form and content to the student's dissertation committee and The Graduate School.

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- First Year Review
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Instructional Coaching, Post-Master's Certificate

The Post-Master's Certificate in Instructional Coaching offers professional preparation and training to educational personnel who are employed in or aspire to positions such as instructional coach, curriculum facilitator, school improvement coach, assistant principal or principal, and subject area coach in public schools, charter schools, and private schools.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by The Graduate School, applicants must have a:

- Master's degree from an accredited institution
- GPA of 3.0 or higher in the master's degree

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
SES 761	Coaching and Supervision of Teaching and Learning	3
ELC 736	Leadership for Teaching and Learning	3
<b>Cohort Area of Emphasis (3 credits)</b>		

<sup>1</sup> May be repeated once.

<sup>2</sup> Selected with advice and approval of the student's doctoral committee members.

<sup>3</sup> Students are expected to work closely with the major advisor and advisory/dissertation committee members to identify a set of courses in a related area of interest that forms a specialization, including an internship. This

Select one course (3 credits) from the following: <sup>*</sup>	3	SES 641	Assessment in Special Education	3
SES 753     Issues and Trends in Special Education		SES 642	Reading Instruction	3
TED 728     Topics in Curriculum and Instruction		SES 652	Writing Instruction	3
TED 729     Topics in Math and Science Education		SES 656	Math and Science Instruction	3
TED 765     Research in Equity Education		SES 659	Behavior Management	3
<b>Internship (3 credits)</b>		SES 661	Student Teaching: Special Education	3
SES 749     Internship in Specialized Education	3			
<b>Total Credit Hours</b>	<b>12</b>			

\* Students will take one of four courses that align with their cohort's area of emphasis in either Literacy, Math, Special Education, or Equity.

## Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL)

The Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) program is a pathway to initial teacher licensure in Special Education K-12: General Curriculum for individuals who have an undergraduate degree in a field other than special education. In the PAIL program, students complete foundation courses in assessment in special education, instructional practices for students with mild to moderate disabilities, learning theory, and models of teaching. Specialty area courses in instructional practices for students with mild to moderate disabilities provide an introduction to the field, methods for teaching in the field, programming for the field, and clinical field experience. Throughout the course work, students have numerous opportunities to engage in case studies and problem-based learning that include appropriate implementation of inclusive practices.

Upon successful completion of the PAIL program, students may transition into the M.Ed. in Special Education advanced licensure program. Course work from the plan of study for the Post-Baccalaureate Alternative Initial Teacher Licensure program in Special Education: General Curriculum may be applied to the M.Ed. in Special Education provided the student meets all admission requirements of the Graduate School and the Department of Specialized Education Services.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a resume and Personal Statement of goals, past experience and unique skills.

Students who wish to transition into the M.Ed. program must submit a new application for the M.Ed. to The Graduate School. It is the students' responsibility to initiate the process and review it with their advisor. It is recommended that the student take the GRE within the first 6 credits of study to guarantee a timelier processing of their application package. Students must maintain a GPA of 3.0.

## Licensure Requirements

Required: 21 credit hours

Code	Title	Credit Hours
<b>Special Education: General Curriculum (21 credits)</b>		
SES 540	Introduction to Special Education	3

## PAIL with M.Ed. in Special Education General Curriculum

Courses listed in General Curriculum plus the following 18 credits:

Code	Title	Credit Hours
ERM 604	Methods of Educational Research	3
SES 643	Special Education Trends/Issues	3
SES 647	Collaboration and Leadership	3
SES 649 (COURSE INACTIVE)		3
SES 658	Positive Behavior Supports	3
SES 660 (COURSE INACTIVE)		3
<b>Total Credit Hours</b>	<b>18</b>	

# Teacher Education and Higher Education

*School of Education*

488 School of Education Building  
336-334-3437  
<http://tehe.uncg.edu>

**Kerri Richardson**, Associate Professor and Chair of Department  
**Wayne Journell**, Professor and Associate Chair of Department  
**Sam Miller**, Graduate Program Director for the Teacher Education Masters Programs  
**Dale Schunk**, Graduate Program Director for the Teacher Education Ph.D. Program and the Higher Education Ph.D. Program  
**Brad Johnson**, Graduate Program Director for the Higher Education M.Ed. Program

## About

The Department of Teacher Education and Higher Education (TEHE) brings together outstanding faculty mentors with scholars from all levels of educational experience to pursue one common goal: to become leaders driven to make a difference in the lives of learners, who, in turn, are prepared to make their own positive difference in the world. Whether your professional goal is to be a leader in elementary schools, secondary schools or higher education, we are here to provide the best possible preparation and support.

From the undergraduate to master's to doctoral level, our programs offer exceptional value and opportunity. As a result, dedicated students are empowered to create a path to their own success. Our graduates become teachers, improve their current teaching practice, work in colleges or universities as instructors or administrators, and work with preservice or inservice teachers in university teacher educator programs and school district offices — many earning positions even before earning their degrees.

## The Higher Education Program

The M.Ed. program in Student Affairs Administration in Higher Education (SAAHE) is designed to prepare entry-level professionals to work in student affairs and student services at higher education institutions. The curriculum closely follows the ACPA/NASPA Professional Competencies as well as the CAS Standards for graduate professional preparation.

The Ph.D. in Educational Studies with a concentration in Higher Education requires 60 credit hours and is intended for experienced administrators and qualified scholars. Graduates pursue careers as scholar-practitioners in areas such as student affairs, community college leadership, and general higher education administration.

## The Teacher Education Program

Our program offerings range from those who are brand new to teaching to those who wish to pursue an advanced degree in education. At the bachelor of science level we offer degrees in Elementary Education, Middle Grades Education, and Secondary (High School) Social Studies Education. Other content areas at the secondary level are offered through the College of Arts and Sciences. At the masters level, we offer two options, one for initial licensure (Master of Arts) and one for advanced licensure (Master of Education).

## Teacher Education Student Learning Goals

Student learning goals are consistent with standards set forth by the Council for the Accreditation of Educator Preparation (CAEP) programs at [www.caepnet.org](http://www.caepnet.org) (<http://www.caepnet.org>), the Interstate New Teacher Assessment and Support Consortium (INTASC) at [www.ccsso.org](http://www.ccsso.org) (<http://www.ccsso.org>), the National Educational Technology Standards at [www.iste.org](http://www.iste.org) (<http://www.iste.org>), and the North Carolina Department of Public Instruction at [www.ncpublicschools.org](http://www.ncpublicschools.org) (<http://www.ncpublicschools.org>).

### Professor

Jewell E. Cooper<sup>G</sup>  
 Ye He<sup>G</sup>  
 Gay Ivey, Professor and William E. Moran Distinguished Professor<sup>G</sup>  
 Victoria R Jacobs, James D. and Johanna F. Yopp Excellence Professor<sup>G</sup>  
 Wayne Journell<sup>G</sup>  
 Sam D. Miller<sup>G</sup>  
 Dale H. Schunk<sup>G</sup>  
 Edna Tan, Hooks Distinguished Professor<sup>G</sup>  
 Amy Vetter<sup>G</sup>

### Clinical Professor

Brad Johnson<sup>G</sup>

### Associate Professor

Beverly Swaim Faircloth<sup>G</sup>  
 Melody Jin Patterson Zoch<sup>G</sup>  
 Sara Catherine Porter<sup>G</sup>  
 Delma Margot Ramos<sup>G</sup>  
 Kerri Danielle Richardson<sup>G</sup>  
 Jamie Lee Schissel<sup>G</sup>  
 Holt Holt Wilson<sup>G</sup>

### Clinical Associate Professor

Scott Howerton<sup>G</sup>  
 Jennifer Robinson Mangrum<sup>G</sup>

### Assistant Professor

Jesse Randall Ford<sup>G</sup>  
 Ryan E Hughes<sup>G</sup>  
 Nicholas M Kochmanski<sup>G</sup>

### Senior Lecturer

Stephanie Grayson Davis<sup>G</sup>

### Lecturer

Jennifer P Arberg  
 Cathryn Blair Bennett  
 Ginni Ann Elliott Stanfield  
 Marquita S Hockaday  
 James M. Lancaster  
 Allison Huffman Ormond  
 Jen Katherine Painter

*G Graduate-level faculty*

- Elementary Education (K–6), B.S. (p. 650)
- Middle Grades Education, B.S. (p. 651)
- The Teaching English to Speakers of Other Languages (TESOL) Undergraduate Minor (p. 653)
- School of Education Initial Licensure Programs (p. 653)
- Master of Arts in Teaching, M.A.T. (p. 655)

- Student Affairs Administration in Higher Education, M.Ed. (p. 657)
- Teacher Education, M.Ed. (p. 658)
- Educational Studies, Ph.D. (p. 660)
- Design and Making in Education, Post-Baccalaureate Certificate (p. 662)
- Student Affairs in Higher Education, Post-Baccalaureate Certificate (p. 662)
- Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate (p. 662)
- Add-On Licensure Programs (p. 662)
- NC TEACH Alternative Licensure Program (p. 663)

## Elementary Education (K–6), B.S. Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum grade of C required in all courses listed under Major Requirements.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Required Courses *</b>		<b>48</b>
<i>Prerequisites</i>		
MAT 112	Contemporary Topics in Mathematics	
TED 222	Mathematics for Teaching	
TED 250	Teaching as a Profession	
<i>Core Courses</i>		
TED 320	Language Arts Education	
TED 345	Humanizing Pedagogies in Elementary Education	
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 360	Integrating the Social Studies in Elementary Grades	
TED 370	Science Education in the Elementary School	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 380	Mathematics Education	
TED 420	Reading Education	
TED 428	Advanced Methods in the Elementary Grades	
TED 461	Student Teaching: Elementary Grades	
TED 466	Student Teaching Seminar	
<b>Related Area Requirements *</b>		<b>19</b>
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings	
SES 361	Language and Emergent Literacy: Foundational Skills for Teaching Reading	
ELC 281	Cultural Foundations of Education	

HDF 201	Development of School-Age Children
KIN 340	Healthful Living Pedagogy for Elementary School Teaching
LIS 120	Introduction to Instructional Technology for Educational Settings
<i>Select one of the following:</i>	
ARE 367	Child Art and Teaching
DCE 345	Dance in Preschool and Elementary Settings
MUE 361	Music for Preschool and Elementary Teachers
THR 315	Creative Drama for the Classroom Teacher

\* With a grade of C or higher.

## Additional Field of Study

Students majoring in Elementary Education are required to complete an Undergraduate Minor.

### Electives

Electives sufficient to complete the 120 credit hours required for the degree. Electives should increase students' knowledge in general education and in a content field (such as psychology or multicultural education).

## Requirements for Admission to the Major

1. Scores  
Satisfactory scores on Praxis I, ACT, or SAT I.
2. GPA  
GPA of 3.0 or higher.
3. Courses  
Grades of C or better in the courses listed below.

Code	Title	Credit Hours
MAT 112	Contemporary Topics in Mathematics	
TED 222	Mathematics for Teaching	
TED 250	Teaching as a Profession	

## Disciplinary Honors in Elementary and Middle Grades Education

### Requirements

- A minimum of 12 credit hours of Honors course work with grades of A or B as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- Maintain a "good standing" status in the Elementary and Middle Grades Education program, which means the student is not on a Professional Improvement Plan and is managing the extensive workload and internship.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>Select 6-9 credits of Honors course work in the major</b>		<b>6-9</b>
<b>Select 0-3 credits of Honors course work in the major or another area</b>		<b>0-3</b>

## Recognition

Students who complete the requirements for the Disciplinary Honors Program receive a Certificate of Disciplinary Honors in Elementary and Middle Grades Education; have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript; and are recognized at a banquet held at the end of the academic year.

## Honors Advisor

Contact Jennifer Mangrum at [jrmangru@uncg.edu](mailto:jrmangru@uncg.edu) for further information and guidance about Honors in Elementary and Middle Grades Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Teaching English to Speakers of Other Languages (TESOL) as a Second Academic Concentration for Elementary Education Majors

The TESOL concentration is designed to prepare prospective elementary teachers for multilingual and multicultural classrooms.

There are two options available within the TESOL concentration:

- a focus on ESL certification (designed for any Elementary Education major), or
- a focus on dual-language certification (designed for Elementary Education majors with advanced foreign language proficiency).

## Requirements

- 18 credit hours

Code	Title	Credit Hours
<b>Core Courses</b>		
TED 335	Language Foundations for Teachers	9
TED 406	Institutes in Education	
TED 423	Legal, Historical, and Cultural Issues in ESL	
TED 425	Dual Language Instructional Practice	
<b>Foreign Language Course Work *</b>		6

\* At least 6 hours of foreign language coursework. Students who choose the Dual-language option need to have 6 hours of advanced foreign language coursework. In some cases, students already with advanced language proficiency may take other courses in place of foreign language courses with the approval of their advisor.

## Middle Grades Education, B.S.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Minimum grade of C required in all courses listed under Major and Concentration Requirements.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Language Arts with Grade 6–9 Teacher Licensure
- Math with Grade 6–9 Teacher Licensure
- Science with Grade 6–9 Teacher Licensure
- Social Studies with Grade 6–9 Teacher Licensure

## Electives

Electives sufficient to complete the 120 credits required for the degree. Electives should increase students' knowledge in general education and in a content field (such as psychology or multicultural education).

## Optional Additional Field of Study

Students majoring in Middle Grades Education are encouraged but not required to complete an Undergraduate Minor.

### Language Arts with Grade 6–9 Teacher Licensure Concentration Requirements

Code	Title	Credit Hours
<b>Prerequisite</b>		3
TED 250	Teaching as a Profession	
<b>Required</b>		45
TED 335	Language Foundations for Teachers	
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 421	Reading Education in the Middle Grades	
TED 442	Teaching and Learning in the Middle Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 452	Educational Psychology for the Middle Grades	
TED 462	Student Teaching: Middle Grades	
TED 466	Student Teaching Seminar	
ELC 281	Cultural Foundations of Education	
ERM 405	Measurement and Assessment in Teaching	
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings	

English Language Arts	Credit Hours
ENG 104	Approach to Literature
ENG 306	Digital Rhetoric
ENG 310	Young Adult Literature
ENG 321	Linguistics for Teachers
ENG 324	Teaching Writing in Elementary and Middle Grades
TED 224	English Language Arts Concepts for Middle Grades Teachers

TED 430	Middle Grades Language Arts	
<i>Select one of the following:</i>		
ENG 204	Nonwestern Literary Classics	
or ENG 208	Topics in Global Literature	
or ENG 209	Topics in Non-Western Literature	
<i>Select 9 credits of ENG electives at the 200-level or above.</i>		
<b>Math with Grade 6–9 Teacher Licensure Concentration Requirements</b>		
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
<b>Prerequisite</b>		
TED 250	Teaching as a Profession	3
<b>Required</b>		
TED 335	Language Foundations for Teachers	45
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 421	Reading Education in the Middle Grades	
TED 442	Teaching and Learning in the Middle Grades	
TED 445	Human Diversity, Teaching, and Learning	
TED 452	Educational Psychology for the Middle Grades	
TED 462	Student Teaching: Middle Grades	
TED 466	Student Teaching Seminar	
ELC 281	Cultural Foundations of Education	
ERM 405	Measurement and Assessment in Teaching	
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings	
<b>Mathematics</b>		
MAT 150	Precalculus I	27
MAT 151	Precalculus II	
MAT 191	Calculus I	
MAT 253	Discrete Mathematical Structures	
MAT 292	Calculus II	
STA 108	Elementary Introduction to Probability and Statistics	
TED 222	Mathematics for Teaching	
TED 223	Mathematics for Teaching Middle Grades	
TED 458	Middle and Secondary Mathematics Education	

### Science with Grade 6–9 Teacher Licensure Concentration Requirements

TED 445	Human Diversity, Teaching, and Learning
TED 452	Educational Psychology for the Middle Grades
TED 462	Student Teaching: Middle Grades
TED 466	Student Teaching Seminar
ELC 281	Cultural Foundations of Education
ERM 405	Measurement and Assessment in Teaching
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings
<b>Science</b>	
AST 233	Astronomy: The Solar System
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory
GES 164	Introduction to Environment
PHY 205	Conceptual Physics
TED 460	Middle Grades Science Education

### Social Studies with Grade 6–9 Teacher Licensure Concentration Requirements

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
<b>Prerequisite</b>		
TED 250	Teaching as a Profession	3
<b>Required</b>		
TED 335	Language Foundations for Teachers	45
TED 350	Internship I: Inquiry in Teaching and Learning	
TED 375	Internship II: Inquiry in Teaching and Learning	
TED 400	Internship III: Inquiry in Teaching and Learning	
TED 421	Reading Education in the Middle Grades	
TED 442	Teaching and Learning in the Middle Grades	
TED 462	Student Teaching: Middle Grades	
TED 466	Student Teaching Seminar	
TED 445	Human Diversity, Teaching, and Learning	
TED 452	Educational Psychology for the Middle Grades	
ELC 281	Cultural Foundations of Education	
ERM 405	Measurement and Assessment in Teaching	
SES 340	Strategies for Teaching Students with Disabilities in General Education Settings	
<b>Social Studies</b>		<b>33</b>
ECO 201	Principles of Microeconomics	
ECO 202	Principles of Macroeconomics	
HIS 211	The United States: A General Survey to 1865	
HIS 212	The United States: A General Survey Since 1865	
HIS 308	Navigating World History	
HIS 316	Interpreting American History	
HIS 347	History of North Carolina	
HIS 430	Historical Methods for Social Studies Teachers	

or HIS 440	Principles and Practices for Teaching History
PSC 200	American Politics
PSC 260	Introduction to Comparative Politics
TED 454	Middle Grades Social Studies Education

**Comparative Politics**

3

*Select one course from the following:*

GES 104	World Regional Geography
GES 105	Introduction to Human Geography
GES 108	Our Dynamic Planet
GES 110	Introduction to Geography

**Global Perspectives**

3

*Select one course from the following:*

HIS 203	History of Africa to 1870
HIS 204	History of Africa since 1870
HIS 215	The Civilizations of Asia
HIS 216	The Civilizations of Asia
HIS 239	The First America: Latin America, 1492-1830
HIS 240	(Dis)order and Progress: Latin America since 1810
HIS 320	History of Mexico and Central America
HIS 380	Topics in the Near and Middle East
HIS 381	The Near and Middle East since World War I
HIS 389	West Africa during the Atlantic Slave Trade

**Disciplinary Honors in Elementary and Middle Grades Education****Requirements**

- A minimum of 12 credit hours of Honors course work with grades of A or B as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
- Maintain a “good standing” status in the Elementary and Middle Grades Education program, which means the student is not on a Professional Improvement Plan and is managing the extensive workload and internship.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>Select 6-9 credits of Honors course work in the major</b>		
<b>Select 0-3 credits of Honors course work in the major or another area</b>		

**Recognition**

Students who complete the requirements for the Disciplinary Honors Program receive a Certificate of Disciplinary Honors in Elementary and Middle Grades Education; have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript; and are recognized at a banquet held at the end of the academic year.

**Honors Advisor**

Contact Jennifer Mangrum at [jrmangru@uncg.edu](mailto:jrmangru@uncg.edu) for further information and guidance about Honors in Elementary and Middle Grades Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## The Teaching English to Speakers of Other Languages (TESOL) Undergraduate Minor

### Program Requirements

- Completion of the TESOL minor includes completing all 12 credit hours of the following courses:

Code	Title	Credit Hours
<b>Required</b>		
TED 335	Language Foundations for Teachers	12
TED 425	Dual Language Instructional Practice	
TED 475	Teaching in Multilingual Settings	
TED 490	Community Literacies and Adult Learners	

## School of Education Initial Licensure Programs

*Office of Student Success*

142 School of Education Building  
336-334-3410

<https://soe.uncg.edu/home/licensureprograms/>

### About

Teacher licensure in North Carolina and qualification for licensure in most of the other states may be earned at four UNC Greensboro professional schools and various departments within the College of Arts and Sciences. Students may select licensure programs in a variety of subject areas.

The School of Education offers programs in Elementary Education, Middle Grades Education, Interpreting, Deaf Education, and Advocacy Services, and Special Education; and jointly directs, with departments in the College of Arts and Sciences, programs for teacher licensure in core academic subjects at the secondary level.

The School of Health and Human Sciences, the College of Visual and Performing Arts, and the College of Arts and Sciences, in collaboration with the School of Education, offer teacher education curricula.

Graduates of approved teacher education curricula are eligible for initial licensure on the basis of UNC Greensboro's recommendation to the State Department of Public Instruction. As requirements may vary among departments, students should check with their major advisor for specific information regarding their program.

Important information for all education students at UNC Greensboro can be found in the Teacher Education Handbook.

### Admission to Teacher Education

All students who wish to be recommended for teacher licensure in any of the subject areas must be admitted to a specific Teacher Education Program. Students should apply for admission to Teacher Education at the end of their sophomore year and be admitted no later than the first semester of their junior year.

The following requirements must be met:

1. Grade point average of at least 2.70 (some departments require a GPA higher than a 2.70 to be admitted to teacher education). To determine if students meet this standard, the grade point average (GPA) is calculated using all relevant undergraduate course work.
2. Recommendation of the school or department where major is to be taken
3. Achievement of minimum score requirements as set by the North Carolina Department of Public Instruction on the Professional Assessment for Beginning Teachers (Praxis Core, ACT, or SAT)
4. Completion of at least 12 credit hours at UNC Greensboro. The 12 credits shall be waived for any transfer student who meets ALL of the aforementioned requirements for admission to Teacher Education. The grade point average for transfer students will be the transferable GPA as computed by the Office of Undergraduate Admissions.
5. Background check requested through UNC Greensboro's affiliated company as described in the Teacher Education Handbook.

For additional requirements specific to a program, students should check with their major school or department. Students should contact the Office of Student Success (located in the School of Education Building, 334-3410) for:

1. Clarification of admission requirements.
2. Appeal of the application of a rule or regulation.

More information on this topic can be found in the Teacher Education Handbook.

## **Admission to Student Teaching**

During the junior year, students already admitted to the Teacher Education Program must apply for admission to Student Teaching.

Student Teaching admission includes:

1. Grade point average of at least 2.70 (some departments require a GPA higher than a 2.70 for student teaching).
2. Approval of the school or department in which the student is majoring.
3. Completion of additional requirements specific to the major department or school teacher education program.

Application forms are available online from the School of Education Licensure Programs website. Forms must be submitted by November 1 for student teaching **in the fall of the following year**, and by February 15 for student teaching **in the spring of the following year**.

Student teaching assignments are usually made in schools within commuting distance of UNC Greensboro. Teacher education students are individually responsible for expenses incurred during student teaching, including transportation.

Student teaching in some subject areas is offered only in either the fall or the spring semester. Any student who plans to student teach should check with his or her major program about when student teaching will be offered in a particular subject area.

More information on this topic can be found in the Teacher Education Handbook.

## **General and Professional Education Requirements**

Requirements for teacher licensure are specified in the respective program descriptions. **Candidates should know program specific requirements.** This information is available on the department websites, handbooks of their licensure programs, and/or in the *University Catalog*. Students should also speak with their advisors about admission requirements as all licensure programs rely heavily on early and adequate advising.

## **Second Academic Concentration Requirement**

All students majoring in Elementary, Middle Grades, and Physical Education are required to complete an approved second academic concentration consisting of a minimum of 18 credit hours in a basic academic discipline or an approved interdisciplinary field of study. Depending on the academic discipline selected, a maximum of 6 credit hours may be counted toward General Education requirements and the second concentration. This requirement became effective for all students who entered the university in Fall 2005. Students should check with the major school and/or department about this requirement or additional requirements specific to individual programs.

## **Teacher Licensure in Comprehensive Secondary Social Studies**

Students majoring in anthropology, geography, history, political science, psychology, or sociology, can seek teacher licensure in comprehensive secondary social studies. Students seeking social studies licensure must take a total of 18 credit hours in history and economics beyond their major requirements from the departments of anthropology, political science, psychology, and sociology. Because history majors need to achieve breadth in social science content and methods, history majors must complete an additional 15 hours of social science electives. Courses must be selected from the following approved list. This list is also available from the School of Education Office of Student Success (School of Education Building), the student's major advisor, or the social studies advisor in the School of Education. Substitution of any requirements needed for licensure may be made by the social studies advisor in the School of Education.

## **Application for Teacher Licensure**

An application for licensure should be filed with the Office of Student Success within two weeks of graduation. Students should be aware that the licensure process will take six weeks or longer after graduation to be completed.

UNC Greensboro recommends for a teacher's licensure those students who have completed the appropriate teacher education curriculum, attained acceptable competencies, submitted the appropriate state board licensure exams, and whose work has been approved by the appropriate department. Meeting these guidelines will move students forward to attain licensure in the State of North Carolina.

## **Teacher Education Curricula**

Programs in teacher education are offered at UNC Greensboro in the four broad areas listed below. Their description is found under the school and/or department listed beside each program. Requirements for teacher

licensure are specified in the program descriptions under each respective department.

## **Birth–12 Licensure**

Interpreting, Deaf Education, and Advocacy Services—Specialized Education Services

## **Birth–Kindergarten, Elementary, and Middle Grades Licensure**

Birth through Kindergarten (B–K)—Human Development and Family Studies

Elementary Education (Grades K–6)—Teacher Education and Higher Education

Middle Grades Education (Grades 6–9)—Teacher Education and Higher Education

## **K–12 Special Subject-Area Licensure**

Art Education—Art

Music—Music Education

Physical Education and Health Teacher Education—Kinesiology

Interpreting, Deaf Education, and Advocacy Services—Specialized Education Services

School Social Work—Social Work

Second Language in French and Spanish—Languages, Literatures, and Cultures

Special Education—Specialized Education Services

Theatre Education—Theatre

## **Secondary Subject-Area Licensure (Grades 9–12)**

Comprehensive Science—Biology

Comprehensive Science—Chemistry and Biochemistry

English—English

Mathematics—Mathematics and Statistics

Comprehensive Science—Physics and Astronomy

Comprehensive Social Studies—Teacher Education and Higher Education

## **Master of Arts in Teaching, M.A.T.**

The Master of Arts in Teaching offers eight concentrations—Elementary Education, Middles Grades Education, Secondary English Education, Secondary Mathematics Education, Secondary Science Education, Secondary Social Studies Education, Special Education, and Teaching English to Speakers of Other Languages (TESOL)—that culminate with the development of an Initial Competencies Portfolio, providing eligibility for candidates to apply for “A” licensure from the North Carolina Department of Public Instruction.

The Master of Arts in Teaching is designed for candidates who have a bachelor's degree but did not pursue teacher education or licensure as an undergraduate. All concentrations in this track will also have prerequisite or corequisite courses, which are required for teaching licensure in North Carolina. The prerequisite or corequisite courses must be completed before a candidate can be recommended for licensure. A list of prerequisite or corequisite courses is available on the Teacher Education and Higher Education website at <http://soe.uncg.edu/academics/departments/tehe/tehe-programs/> or the School of Education's list of majors and degrees (<http://soe.uncg.edu/academics/majors-and-degrees/>).

The Department of Languages, Literatures, and Cultures offers a Master of Arts in Teaching with a concentration in French Education or Spanish Education.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## **Degree Program Requirements**

**Required:** 30-33 credit hours

### **Elementary Education Concentration**

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (6 credits)</b>		
TED 545	Human Diversity, Teaching, and Learning	3
TED 636	Educational Psychology and Differentiated Instruction	3
or TED 669	Educational Implications of Learning and Developmental Theory	
<b>Pedagogical Expertise (18 credits)</b>		
TED 518	Mathematics in the Elementary Schools	3
TED 519	Science in the Elementary School	3
TED 520	Social Studies in the Elementary School	3
TED 625	Mathematics in the Elementary School II	3
TED 641	Literacy I: Reading Instruction	3
TED 642	Literacy II: Language Arts Instruction	3
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

### **Middle Grades Education Concentration**

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Pedagogical Expertise (15 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
or TED 618	Teaching English as a Second Language	
TED 626	Middle Grades Curriculum and Instruction	3
TED 647	Teaching and Learning in Makerspaces	3
SES 540	Introduction to Special Education	3
or SES 611	Universal Design for Learning	
or SES 640	Policies and Procedures in Special Education	
Select one methods course (3 credits) according to the appropriate area of study:		3
TED 530	Middle Grades Language Arts	
TED 554	Middle Grades Social Studies Education	
TED 558	Middle and Secondary Mathematics Education	

TED 560	Middle Grades Science Education	
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

## Secondary English Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Pedagogical Expertise (15 credits)</b>		
TED 523 or TED 618	Legal, Historical, and Cultural Issues in ESL Teaching English as a Second Language	3
TED 551	Teaching Practices and Curriculum in English	3
TED 619	Issues and Trends in Literacy Education	3
TED 647 or TED 610	Teaching and Learning in Makerspaces * Integrating Technology into Subject Matter Instruction	3
TED 695	Youth Literacies: Advanced Topics in Education	3
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

\* Or approved substitute.

## Secondary Mathematics Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Pedagogical Expertise (15 credits)</b>		
MAT 505	Foundations of Mathematics for Teaching I	3
MAT 506	Foundations of Mathematics for Teaching II	3
TED 647	Teaching and Learning in Makerspaces	3
TED 664	Teaching Problem Solving	3
TED 668 or TED 610	Seminar in Mathematics Pedagogy Integrating Technology into Subject Matter Instruction	3
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

## Secondary Science Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Pedagogical Expertise (15 credits)</b>		
TED 559	Teaching Practices and Curriculum in Science	3
TED 623	Environmental Education	3
TED 647	Teaching and Learning in Makerspaces	3
TED 657	Nature of Science, Technology, and Society	3
Select one science content course (3 credits)		
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

## Secondary Social Studies Education Concentration

Required: 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605 or ERM 604	Educational Measurement and Evaluation Methods of Educational Research	3
<b>Pedagogical Expertise (15 credits)</b>		
TED 523 or TED 618	Legal, Historical, and Cultural Issues in ESL Teaching English as a Second Language	3
TED 535	Literacy in the Content Area	3
TED 553	Teaching Practices and Curriculum in Social Studies	3
TED 647 or TED 610	Teaching and Learning in Makerspaces Integrating Technology into Subject Matter Instruction	3
SES 540 or SES 611	Introduction to Special Education Universal Design for Learning	3
or SES 640	Policies and Procedures in Special Education	
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

## Special Education Concentration

Required: 30-33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 545	Human Diversity, Teaching, and Learning	3

TED 636	Educational Psychology and Differentiated Instruction	3
or TED 669	Educational Implications of Learning and Developmental Theory	
ERM 605	Educational Measurement and Evaluation	3
<b>Special Education Requirements (21-24 credits)</b>		
SES 540	Introduction to Special Education	3
SES 641	Assessment in Special Education	3
SES 642	Reading Instruction	3
SES 652	Writing Instruction	3
SES 656	Math and Science Instruction	3
SES 659	Behavior Management	3
SES 661	Student Teaching: Special Education	3-6

**Total Credit Hours****30-33**

## Teaching English to Speakers of Other Languages (TESOL) Concentration

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
TED 545	Human Diversity, Teaching, and Learning	3
TED 636	Educational Psychology and Differentiated Instruction	3
TED 696	Classroom Language Assessment	3
<b>Pedagogical Expertise (15 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 603	Literacy Instruction for Multilingual Learners	3
TED 604	Applied Linguistics for Teachers	3
TED 618	Teaching English as a Second Language	3
TED 640	Writing Instruction Across the Grade Levels	3
or TED 619	Issues and Trends in Literacy Education	
<b>Professional Development/Leadership (9 credits)</b>		
TED 680A	Clinical Experience in Teaching	6
TED 680B	Clinical Experience in Teaching Seminar	3
<b>Total Credit Hours</b>		<b>33</b>

## Accelerated B.A. or B.S. to M.A.T. in Master of Arts in Teaching

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in the Master of Arts in Teaching (M.A.T.) with a concentration in Teaching English to Speakers of Other Languages (TESOL). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNCG is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

Applicants to the AMP must complete the standard application requirements (including supplementary materials) for the M.A.T. program. GRE scores are not required for applicants to the AMP.

All applicants must complete the Accelerated Master's Program information along with their application for admission to the M.A.T. Master of Arts in Teaching TESOL concentration program.

### Courses

AMP students may apply up to, but not more than, 12 credits of graduate courses towards the completion of both their undergraduate and their graduate degree program. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 21 credits of further graduate-level course work to complete the M.A.T. degree.

The following courses may be counted toward both the undergraduate degree requirements and the M.A.T. TESOL concentration requirements.

Code	Title	Credit Hours
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 604	Applied Linguistics for Teachers	3
TED 640	Writing Instruction Across the Grade Levels	3

Students pursuing the TESOL undergraduate minor as part of their bachelor's degree program may count TED 523 towards the minor requirements. AMP students may not apply the other AMP courses to the minor, but may count them towards other undergraduate program requirements and may count all four courses towards the master's degree requirements.

Substitutions for the above courses require the permission from the program advisor. Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.A.T. degree remain the same.

## Student Affairs Administration in Higher Education, M.Ed.

The M.Ed. in Student Affairs Administration in Higher Education prepares graduates to implement transformative and integrated learning experiences in college, university, and other postsecondary settings. In preparation for careers in college student affairs administration, graduate learners complete a minimum of 42 credit hours in foundation studies, professional studies, assessment and research, and a coherent sequence of supporting courses as well as an internship in college student affairs administration. Graduates may select supporting courses for an emphasis in student affairs.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement and resume.

GRE score submission is optional.

## Degree Program Requirements

**Required:** 42 credit hours

Code	Title	Credit Hours
<b>Foundational Studies (3 credits)</b>		
HED 601	Foundations of College Student Affairs Administration	3
<b>Professional Studies (24 credits)</b>		
HED 602	Student Development Theory in Higher Education	3
HED 603	Effects of College on Students	3
HED 606	Organization and Administration of Student Affairs in Higher Education	3
HED 608	Leadership in Higher Education	3
HED 609	Student Development Theory II	3
HED 610	Legal Issues in Higher Education	3
HED 612	Current Issues in Higher Education	3
CED 613	Helping Relationships for Non-Majors	3
<b>Assessment and Research (3 credits)</b>		
HED 663	Planning Programs and Assessment in Postsecondary Education	3
<b>Supervised Practice (3 credits)</b>		
HED 690	Internship and Socialization in Student Affairs	3
<b>Supporting Courses (9 credits)</b>		
Select 9 credits *		9
<b>Total Credit Hours</b>		<b>42</b>

\* Students select a coherent sequence of supporting courses in consultation with the advisor.

### Capstone Experience

In lieu of a thesis or comprehensive examinations, students will complete an academic portfolio of their work accomplished during the program as submission for their capstone experience.

## Teacher Education, M.Ed.

The M.Ed. in Teacher Education offers six concentrations, including ones that culminate with the development of an Advanced Competencies Portfolio, providing eligibility for candidates to apply for "M" licensure from the North Carolina Department of Public Instruction or preparation for advanced graduate study in educational research or policy. All concentrations and tracks require 30-36 credit hours for the master's degree.

The program is designed for candidates who already hold the Standard Professional I license or initial license to teach and wish to pursue more advanced study in a field of education.

Field experiences (school-based activities) are required across the curriculum of the M.Ed. programs.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement and resume.

## Degree Program Requirements

**Required:** 30-36 credit hours

Code	Title	Credit Hours
<b>Core Courses for all Concentrations (9 credits) *</b>		
TED 545	Human Diversity, Teaching, and Learning or TED 646 Introduction to Equity Education	3
TED 669	Educational Implications of Learning and Developmental Theory	3
ERM 605	Educational Measurement and Evaluation or ERM 604 Methods of Educational Research	3
<b>Concentration Requirements (21-27 credits)</b>		
Select one of the following concentrations:		21-27
Elementary Mathematics Education Concentration		
K-12 Science Education Concentration		
Literacy Education K-12 Concentration		
Middle/Secondary Mathematics Education Concentration		
Middle/Secondary Social Studies Education Concentration		
Teaching English to Speakers of Other Languages (TESOL) Concentration		
<b>Total Credit Hours</b>		<b>30-36</b>

\* Unless otherwise noted. Or approved substitutes.

### Advanced Competencies Portfolio and Other Required Culminating Experiences (Capstone Experience)

For some tracks, a technology portfolio and PRAXIS exams are necessary for licensure and graduation, while for others only the Advanced Competencies Portfolio and a possible assessment day are required.

### Elementary Mathematics Education Concentration

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
Core courses for all concentrations		9
<b>Pedagogical Expertise (18 credits)</b>		
TED 658	Number Systems and Operations: K-5 Mathematical Tasks	3
TED 659	Rational Numbers and Operations: K-5 Learning Trajectories	3
TED 660	Data Analysis and Measurement: K-5 Classroom Interactions	3
TED 661	Algebraic Reasoning: K-5 Discourse and Questioning	3
TED 662	Geometry and Spatial Visualization: K-5 Assessment	3
TED 663	Mathematical Modeling: K-5 Leadership	3
<b>Professional Development/Leadership (6 credits)</b>		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
<b>Total Credit Hours</b>		<b>33</b>

## K-12 Science Education Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours	Code	Title	Credit Hours		
<b>Core Courses (9 credits)</b>							
Core courses for all concentrations					9		
TED 646	Introduction to Equity Education	3	<b>Pedagogical Expertise (9 credits)</b>				
TED 669	Educational Implications of Learning and Developmental Theory	3	TED 630	Mathematics Teaching in Middle and Secondary Studies	3		
ERM 605 or ERM 604	Educational Measurement and Evaluation Methods of Educational Research	3	TED 671	Thinking and Learning in Middle Grades and Secondary Mathematics: Number and Algebra	3		
<b>Pedagogical Expertise (15 credits)</b>							
TED 623	Environmental Education	3	TED 673	Thinking and Learning in Middle Grades and Secondary Mathematics: Geometry, Statistics, and Probabil	3		
TED 632	Science Education: Teaching Practices and Curriculum	3	<b>Mathematics Education Elective (6 credits)</b>				
TED 657	Nature of Science, Technology, and Society	3	Select two courses (6 credits) from the following: *		6		
Select two courses (6 credits) from the following:							
TED 647	Teaching and Learning in Makerspaces		MAT 503	Problem Solving in Mathematics			
TED 651	Teaching Life Sciences		MAT 505	Foundations of Mathematics for Teaching I			
TED 652	Teaching Physical Sciences		MAT 513	Historical Development of Mathematics			
TED 653	Teaching Earth and Space Sciences		MAT 614	Theory of Numbers			
<b>Professional Development-Leadership (6 credits)</b>			MAT 616	Intermediate Abstract Algebra			
TED 676	Teacher as Researcher and Leader I	3	MAT 619	Intuitive Concepts in Topology			
TED 677	Teacher as Researcher and Leader II	3	MAT 620	Non-Euclidean Geometry			
<b>Total Credit Hours</b>		<b>30</b>	MAT 621	Projective Geometry			
			MAT 635	Differential Equations and Orthogonal Systems			
			MAT 640	Introductory Complex Analysis			
<b>Professional Development/Leadership (9 credits)</b>			<b>Professional Development/Leadership (9 credits)</b>				
TED 664	Teaching Problem Solving	3	TED 664	Teaching Problem Solving	3		
TED 676	Teacher as Researcher and Leader I	3	TED 676	Teacher as Researcher and Leader I	3		
TED 677 or TED 670	Teacher as Researcher and Leader II ** Research in Mathematics Education	3	TED 677	Teacher as Researcher and Leader II **	3		
<b>Total Credit Hours</b>		<b>33</b>					

## Literacy Education K-12 Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours	Code	Title	Credit Hours		
<b>Core Courses (9 credits)</b>							
TED 646	Introduction to Equity Education	3	<b>Pedagogical Expertise (21 credits)</b>				
TED 669	Educational Implications of Learning and Developmental Theory	3	TED 614	Word Study	3		
ERM 605	Educational Measurement and Evaluation	3	TED 615	Literacy in the Early Years	3		
<b>Pedagogical Expertise (21 credits)</b>							
TED 616	Literacy Development and Instruction Across the Elementary Grades	3	TED 616	Practicum in Literacy Assessment and Instruction	3		
TED 617A	Trends and Issues in Curriculum and Instruction *	3	TED 628	Writing Instruction Across the Grade Levels	3		
TED 640	Youth Literacies: Advanced Topics in Education	3	TED 695	Select 9 credits of content courses from 500- or 600-level ATY, ECO, GES, HIS, PSC, PSY, or SOC courses	9		
<b>Total Credit Hours</b>		<b>30</b>	<b>Core Courses (9 credits)</b>				
Core courses for all concentrations					9		
<b>Pedagogical Expertise (18 credits)</b>			<b>Pedagogical Expertise (18 credits)</b>				
TED 631	TED 631 Trends in Teaching Practices and Curriculum in Secondary School Social Studies	3	TED 631	Trends in Teaching Practices and Curriculum in Secondary School Social Studies	3		
Select two courses (6 credits) in different categories from the following:					6		
ESL							
TED 523	Legal, Historical, and Cultural Issues in ESL *		TED 523	Legal, Historical, and Cultural Issues in ESL *			
TED 628	Trends and Issues in Curriculum and Instruction		TED 628	Trends and Issues in Curriculum and Instruction			
<b>Total Credit Hours</b>		<b>33</b>	SES				

\* Or approved substitute.

## Middle/Secondary Mathematics Education Concentration

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
Core courses for all concentrations		9
<b>Pedagogical Expertise (18 credits)</b>		
Select two courses (6 credits) in different categories from the following:		
ESL		
TED 523	Legal, Historical, and Cultural Issues in ESL *	
TED 628	Trends and Issues in Curriculum and Instruction	
SES		

SES 540	Introduction to Special Education	
SES 643	Special Education Trends/Issues	
<i>Technology</i>		
TED 628 Trends and Issues in Curriculum and Instruction *		
<b>Professional Development/Leadership (9 credits)</b>		
TED 638A (COURSE INACTIVE) or TED 638B (COURSE INACTIVE) **		3
TED 676 Teacher as Researcher and Leader I		3
TED 677 Teacher as Researcher and Leader II		3
<b>Total Credit Hours</b>		<b>36</b>

\* Or approved substitute.

\*\* Or TED 626 Middle Grades Curriculum and Instruction.

## Teaching English to Speakers of Other Languages (TESOL) Concentration

**Required:** 36 credit hours

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
Core courses for all concentrations		9
<b>Pedagogical Expertise (15 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 603	Literacy Instruction for Multilingual Learners	3
TED 604	Applied Linguistics for Teachers	3
TED 614	Word Study *	3
TED 618	Teaching English as a Second Language	3
<b>Electives (6 credits)</b>		
Select 6 credits of electives **		6
<b>Professional Development/Leadership (6 credits)</b>		
TED 676	Teacher as Researcher and Leader I	3
TED 677	Teacher as Researcher and Leader II	3
<b>Total Credit Hours</b>		<b>36</b>

\* Or approved substitute.

\*\* Under advisement; to include courses in reading, language arts, math, science, social studies, instructional technology, and special education.

## Accelerated B.A. or B.S. to ME.d. in Teacher Education

### Application and Admission

Qualified UNC Greensboro undergraduate students may apply for admission to the Accelerated Master's Program (AMP) in Teacher Education (M.Ed.) with a concentration in Teaching English to Speakers of Other Languages (TESOL). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNCG is required. Applicants must have completed at least 60 credits and may not apply for admission to the AMP before the first semester of the junior year.

Applicants to the AMP must complete the standard application requirements (including supplementary materials) for the M.Ed. in Teacher Education program. GRE scores are not required for applicants to the AMP.

All applicants must complete the Accelerated Master's Program information along with their application for admission to the M.Ed. Teacher Education, TESOL concentration program.

### Courses

AMP students may apply up to, but not more than, 12 credits of graduate courses towards the completion of both their undergraduate and their graduate degree program. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 24 credits of further graduate-level course work to complete the M.Ed. degree.

The following courses may be counted toward both the undergraduate degree requirements and the ME.d. TESOL concentration requirements.

Code	Title	Credit Hours
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 575	Teaching in Multilingual Settings	3
TED 590	Community Literacies and Adult Learners	3

Students pursuing the TESOL undergraduate minor as part of their bachelor's degree program may not count TED 545 towards the minor; only TED 523, TED 575, and TED 590 may count towards the undergraduate minor. AMP students in the minor may still count TED 545 towards other undergraduate program requirements and may count all four courses towards the master's degree requirements.

Substitutions for the above courses require the permission from the program advisor. Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Master of Education in Teacher Education degree remain the same.

## Educational Studies, Ph.D.

### Teacher Education and Development Concentration

The Ph.D. in Educational Studies with a concentration in Teacher Education and Development requires a minimum of 60 credit hours.

### Higher Education Concentration

The Ph.D. in Educational Studies with a concentration in Higher Education requires 60 credit hours and is intended for experienced higher education administrators, student affairs professionals, and qualified scholars. Students develop the skills, knowledge, and attitudes necessary for investigating, understanding, and shaping the dynamic relations among students, institutions of higher education, and society. Graduates pursue careers as scholar-practitioners in student affairs and higher education or as faculty or adjunct instructors.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by The Graduate School, applicants must submit a:

- Personal Statement
- Resume

GRE optional for the Higher Education concentration of the Ph.D. in Educational Studies.

## Degree Program Requirements

**Required:** 60 credit hours

### Teacher Education and Development Concentration

**Required:** 60-72 credit hours

All students must meet the requirements described below. Additional course requirements are determined on an individual basis through planning by the student and their doctoral advisory/dissertation committee.

Code	Title	Credit Hours
<b>Required Core Courses (12 credits)</b>		
TED 646 or TED 765	Introduction to Equity Education Research in Equity Education	3
TED 746	Seminar: Research on Teaching	3
TED 747	Doctoral Seminar in Learning and Cognition	3
TED 749	Disciplined Inquiry in Teacher Education	3
<b>Research Component Courses (21 credits)</b>		
TED 730	Qualitative Methods in Curriculum and Instruction	3
TED 738	Mixed Methods Research Design in Curriculum and Instruction	3
TED 775	Directed Doctoral Research <sup>1</sup>	6
ERM 781	Design and Analysis of Educational Experiments <sup>2</sup>	3
Select 6 credits of applied research courses <sup>3</sup>		6
<b>Concentration Courses (15 credits)</b>		
Select 15 credits of concentration courses <sup>3</sup>		15
<b>Dissertation (12-24 credits)</b>		
<b>Total Credit Hours</b>		<b>60-72</b>

<sup>1</sup> Taken two times for a total of 6 credits.

<sup>2</sup> ERM 780 Intermediate Statistical Methods in Education, *prerequisite for ERM 781, can be counted in the 21 credits. The remaining research courses must be selected with advice and approval of the doctoral committee.*

<sup>3</sup> With the advice and approval of the doctoral committee.

### Research Component Courses

The research component must include both qualitative and quantitative research courses, plus an applied research component. Students are expected to acquire a deep understanding of the concepts of research and inquiry as they relate to curriculum and instruction. The knowledge base should include understanding of various research paradigms, criticisms of these paradigms, and the ability to conduct scholarly research. The research component must include one doctoral-level qualitative methods course, one doctoral-level mixed methods research course, one doctoral-level statistics course, and at least 6 credits of applied research courses as listed above.

### Concentration Courses

Students will decide on courses with the advice and approval of the doctoral committee. By carefully selecting courses, students may develop

a focus in any of several areas including teacher education, elementary education, middle grades education, reading and literacy education, mathematics education, social studies education, science education, equity education, or an interdisciplinary focus.

### Higher Education Concentration

**Required:** 60 credit hours

Code	Title	Credit Hours
<b>Core Course Requirements (15 credits)</b>		
HED 745	Higher Education: Equity, Inclusion and Learning	3
HED 746	Organizational Theory in Higher Education	3
HED 747	Advanced Student Development Theory	3
HED 748	The Law of Higher Education	3
HED 749	Professional Seminar in Higher Education Research	3
<b>Concentration Course Requirements (15 credits)</b>		
Select 15 credits of concentration courses <sup>*</sup>		15
<b>Research Methods Course Requirements (18 credits)</b>		
HED 775	Directed Doctoral Research	3
ERM 780	Intermediate Statistical Methods in Education	3
ERM 781	Design and Analysis of Educational Experiments	3
Select one course (3 credits) in qualitative or interpretative research methods		3
Select one course (3 credits) in advanced research methods		3
Select one elective course (3 credits) in research methods		3
<b>Dissertation (12 credits)</b>		
<b>Total Credit Hours</b>		<b>60</b>

\* In consultation with the advisor. See Concentration Course Requirements below for details.

### Concentration Course Requirements

The concentration should complement the student's interests and, therefore, is individually designed. In consultation with the advisor, students will select a coherent set of concentration courses focusing on specific problems of theory, policy, or practice in higher education and are appropriate for the student's professional goals and interests.

### Required Milestones\*

- Residency (Immersion)
- Research Competency
- Plan of Study
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Design and Making in Education, Post-Baccalaureate Certificate

The Design and Making in Education Post-Baccalaureate Certificate focuses on Making/Makerspaces across formal and informal learning contexts. Students learn a suite of Making practices, informed by theoretical lenses grounded in equity and strength-based approaches.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

### Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 646	Introduction to Equity Education	3
TED 647	Teaching and Learning in Makerspaces	3
TED 648	Design-based Action Research in Education	3
<b>Elective (3 credits)</b>		
Select one course (3 credits) from the following: *		3
TED 618	Teaching English as a Second Language	
TED 619	Issues and Trends in Literacy Education	
TED 623	Environmental Education	
<b>Total Credit Hours</b>		<b>12</b>

\* Or other courses approved by advisor.

## Student Affairs in Higher Education, Post-Baccalaureate Certificate

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit:

- An official transcript from every college/university previously attended, and
- A statement of interest.

### Certificate Program Requirements

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
HED 601	Foundations of College Student Affairs Administration	3
HED 602	Student Development Theory in Higher Education	3
HED 603	Effects of College on Students	3
HED 606	Organization and Administration of Student Affairs in Higher Education	3

HED 663	Planning Programs and Assessment in Postsecondary Education	3
<b>Total Credit Hours</b>		<b>15</b>

## Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Teaching English to Speakers of Other Languages requires 18 credit hours and is intended for those with a bachelor's degree in any field and documented evidence of having studied a foreign language. The curriculum is designed to develop the knowledge, skills, and dispositions of those who are currently teaching or desire to teach language-minority adults and children to understand, speak, read, and write English in a variety of community, educational, and business settings.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement and resume.

### Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 603	Literacy Instruction for Multilingual Learners	3
TED 604	Applied Linguistics for Teachers	3
TED 614	Word Study	3
TED 618	Teaching English as a Second Language	3
<b>Elective (3 credits)</b>		
Select 3 credits of electives		3
<b>Total Credit Hours</b>		<b>18</b>

## Add-On Licensure Programs

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

### Add-On Licensure in Elementary Science

**Required:** 15 credit hours

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
TED 632	Science Education: Teaching Practices and Curriculum	3
TED 651	Teaching Life Sciences	3
TED 652	Teaching Physical Sciences	3
TED 653	Teaching Earth and Space Sciences	3
TED 657	Nature of Science, Technology, and Society	3
<b>Total Credit Hours</b>		<b>15</b>

## Add-On Licensure in Elementary Mathematics

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (18 credits)</b>		
TED 658	Number Systems and Operations: K-5 Mathematical Tasks	3
TED 659	Rational Numbers and Operations: K-5 Learning Trajectories	3
TED 660	Data Analysis and Measurement: K-5 Classroom Interactions	3
TED 661	Algebraic Reasoning: K-5 Discourse and Questioning	3
TED 662	Geometry and Spatial Visualization: K-5 Assessment	3
TED 663	Mathematical Modeling: K-5 Leadership	3
<b>Total Credit Hours</b>		<b>18</b>

## Add-On Licensure in Reading

**Required:** 18 credit hours

The add-on program in reading is designed for professionals who have already completed a master's program in education or who are currently enrolled in a master's program and would like additional licensure as a reading specialist. The program requires 18 credits of course work. Some of these credits may be completed as part of another master's program such as those offered by the Department of Teacher Education and Higher Education or the Department of Specialized Education Services.

Code	Title	Credit Hours
<b>Required Courses (18 credits)</b>		
TED 614	Word Study	3
TED 616	Literacy Development and Instruction Across the Elementary Grades	3
TED 617A	Practicum in Literacy Assessment and Instruction	3
TED 619	Issues and Trends in Literacy Education	3
TED 640	Writing Instruction Across the Grade Levels	3
TED 695	Youth Literacies: Advanced Topics in Education	3
<b>Total Credit Hours</b>		<b>18</b>

## Add-On Licensure in ESL

**Required:** 9-15 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 604	Applied Linguistics for Teachers	3
TED 618	Teaching English as a Second Language	3
<b>Total Credit Hours</b>		<b>9</b>

## ESL Dual Language

Code	Title	Credit Hours
<b>Required Courses (15 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 525	Dual Language Instructional Practice	3
or TED 603	Literacy Instruction for Multilingual Learners	
TED 604	Applied Linguistics for Teachers	3
TED 618	Teaching English as a Second Language	3
TED 696	Classroom Language Assessment	3
<b>Total Credit Hours</b>		<b>15</b>

## NC TEACH Alternative Licensure Program

North Carolina Teachers of Excellence for All Children (NC TEACH) is designed to recruit, train, support, and retain mid-career professionals as they become licensed teachers in North Carolina. The program is designed to offer residency license teachers the opportunity to earn an initial standard professional I license to teach in North Carolina. The Collaborative for Educator Preparation (CEP) administers the NC TEACH Alternative Licensure Program in the following areas:

- Elementary Education (K-6)
- Middle Grades (6-9) Language Arts, Math, Science, and Social Studies
- Secondary (9-12) English, Latin, Math, Science, and Social Studies
- K-12 English as a Second Language (ESL)
- K-12 Foreign Language (French or Spanish)

Students in the program enroll in a sequence of education courses and engage in field-based experiences as residency license teachers in local public school systems. Students may be required to take additional course work in their teaching area for licensure. For most of these teaching areas, students may apply up to 18 credits of NC TEACH course work toward a master's degree program provided they apply and are accepted.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Alternative Licensure Requirements

**Required:** 18 or 24 credit hours

### Content Courses

Students must have at least 24 credits in their teaching areas or passing scores on the PRAXIS II teaching examinations. After a review of transcripts, students may also be required to complete additional course work to meet teaching standards.

### Elementary Education (K-6) Licensure Area

**Required:** 24 credit hours

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3

or TED 636	Educational Psychology and Differentiated Instruction	
<b>Methods Courses (12 credits)</b>		
TED 518	Mathematics in the Elementary Schools	3
or TED 625	Mathematics in the Elementary School II	
TED 519	Science in the Elementary School	3
TED 520	Social Studies in the Elementary School	3
TED 641	Literacy I: Reading Instruction	3
or TED 642	Literacy II: Language Arts Instruction	
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>24</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Middle Grades Language Arts (6-9) Licensure Area

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 530	Middle Grades Language Arts	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Middle Grades Math (6-9) Licensure Area

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 558	Middle and Secondary Mathematics Education	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* 3 credits of clinical experience must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.  
\*\* Students may elect to take another 3 credits of TED 680A instead of LLC 665.

## Latin (9-12) Licensure Area

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
LAT 552	Teaching Secondary-Level Latin: Current Trends	3
<b>Clinical Experiences (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

## Middle Grades Science (6-9) Licensure Area

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

TED 560	Middle Grades Science Education	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Middle Grades Social Studies (6-9) Licensure Area

Required: 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 554	Middle Grades Social Studies Education	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Secondary English (9-12) Licensure Area

Required: 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 551	Teaching Practices and Curriculum in English	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Secondary Math (9-12) Licensure Area

Required: 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 553	Teaching Practices and Curriculum in Social Studies	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		

TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
MAT 505	Foundations of Mathematics for Teaching I	3
MAT 506	Foundations of Mathematics for Teaching II	3
TED 680A	Clinical Experience in Teaching	3
<b>Total Credit Hours</b>		<b>18</b>

## Secondary Science (9-12) Licensure Area

Required: 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 559	Teaching Practices and Curriculum in Science	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Secondary Social Studies (9-12) Licensure Area

Required: 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
TED 553	Teaching Practices and Curriculum in Social Studies	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

## Spanish (K-12) Licensure Area

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 535	Literacy in the Content Area	3
TED 545	Human Diversity, Teaching, and Learning	3
TED 669	Educational Implications of Learning and Developmental Theory	3
<b>Methods Course (3 credits)</b>		
LLC 512	Teaching Second Languages in K-12	3
<b>Clinical Experience (6 credits)</b> *		
TED 680A	Clinical Experience in Teaching	3
LLC 665	Clinical Practice/Seminar in Teaching World Languages **	3
<b>Total Credit Hours</b>		<b>18</b>

\* 3 credits of clinical experience must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

\*\* Students may elect to take another 3 credits of TED 680A instead of LLC 665.

## Teaching English as a Second Language (TESOL) (K-12) Licensure Area

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
TED 523	Legal, Historical, and Cultural Issues in ESL	3
TED 604	Applied Linguistics for Teachers	3
TED 669	Educational Implications of Learning and Developmental Theory	3
or TED 636	Educational Psychology and Differentiated Instruction	
<b>Methods Course (3 credits)</b>		
TED 618	Teaching English as a Second Language	3
<b>Clinical Experience (6 credits)</b>		
TED 680A	Clinical Experience in Teaching *	6
<b>Total Credit Hours</b>		<b>18</b>

\* TED 680A must be taken twice for a total of 6 credits. 3 credits must be taken in the first (Fall) semester and 3 credits must be taken in the second (Spring) semester.

# SCHOOL OF HEALTH AND HUMAN SCIENCES

401 Coleman Building  
336-334-5744  
[hhs.uncg.edu/](http://hhs.uncg.edu/) (<https://hhs.uncg.edu/>)

**Carl Mattacola**, *Dean of School*  
**Joi W. Bulls**, *Associate Dean for Undergraduate Affairs*  
**Scott E. Ross**, *Associate Dean for Academic Affairs*  
**Esther M. Leerkes**, *Associate Dean for Research*  
**Charles C. Dent**, *Assistant Dean of Operations and Administration*  
**Lisa Walker**, *Assistant Dean for Research Operations*  
**Larissa Witmer**, *Assistant Dean for Projects and Programs*

## About

In the School of Health and Human Sciences, academic programs are offered through the Department of Communication Sciences and Disorders, the Department of Community and Therapeutic Recreation, the Department of Human Development and Family Studies, the Department of Kinesiology, the Department of Nutrition, the Department of Peace and Conflict Studies, the Department of Public Health Education, and the Department of Social Work, including a program in Gerontology. There is also an undergraduate program in Human Health Sciences and a graduate program in Genetic Counseling. Each department and program offers varied courses for all university students and programs of study leading to undergraduate and graduate majors and minors in their respective areas. The school's programs are designed to meet specialized interests of students and also the requirements of state and national accrediting agencies and professional associations.

The **Department of Communication Sciences and Disorders** provides opportunities for the study of normal speech, language, and hearing as well as the study of associated disorders, leading to the bachelor of science degree in Speech Pathology and Audiology. The courses offered in this program are pre-professional and prepare the student for further study at the graduate level. Faculty and students in Communication Sciences and Disorders provide services to clients in the University Speech and Hearing Center, and engage in cooperative work with area schools, hospitals, and other human service agencies. In addition, a Master of Arts degree is offered, preparing clinicians to serve children, youth, and adults with communication disorders. There is also a Ph.D. degree offering advanced study in teaching and research.

In the **Department of Community and Therapeutic Recreation**, a student majoring in Recreation and Parks Management may choose from two areas of concentration: Therapeutic Recreation or Community Recreation and Event Planning. These concentrations lead to a bachelor of science degree. A Community and Therapeutic Recreation minor and a master of science (M.S.) degree are also available. The undergraduate program has been fully accredited by the Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT) since 1981.

The **Program in Genetic Counseling** offers an interdisciplinary master of science degree. The program is accredited by the Accreditation Council for Genetic Counseling (ACGC). Applicants admitted to the program are expected to enroll as full-time students, registering for the required courses for each of the four semesters of the program and for intervening summer sessions.

Programs in the **Department of Human Development and Family Studies** focus on early care and education, child and adolescent development, and family studies. At the undergraduate level, students prepare for entry-level positions in early childhood settings and agencies, Birth through Kindergarten classroom licensure, community agencies serving children, adolescents and their families; and family-related careers in family, government, and community service agencies. Master's and doctoral programs provide opportunities for research and advanced study in these areas.

The **Program in Human Health Sciences** is designed to prepare graduates for success in entry-level allied health-related industries or to be competitive applicants to allied health-related graduate programs. Students in the program will be introduced to a wide range of allied health careers and pathways to attaining those careers, including the specific academic requirements. The bachelor of science degree in Human Health Sciences will begin in Fall 2023.

The **Department of Kinesiology** offers a major in Kinesiology leading to the bachelor of science degree. Students may select concentrations in Kinesiology and Physical Education and Health Teacher Education (licensure track). The department also offers minors in Sport Coaching and Community Youth and Sport Development. Kinesiology prepares students for careers in preventive and rehabilitative exercise and fitness, and may be tailored to meet the needs and interests of students planning graduate study in athletic training, medicine, occupational therapy, or physical therapy. This department also offers graduate studies leading to the master's degree and doctoral degrees (Ph.D. and online Ed.D.).

The **Department of Nutrition** offers undergraduate studies with majors in Human Nutrition and Dietetics, Nutrition and Wellness, and Nutrition Science and graduate programs for the master's degree, doctoral degree, and a post-baccalaureate dietetic internship certificate. The undergraduate Human Nutrition and Dietetics concentration (also known as the Didactic Program in Dietetics) and the Dietetic Internship program are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

The **Department of Peace and Conflict Studies** offers a Bachelor of Arts, a Master of Arts, and a Post-Baccalaureate Certificate. Peace and Conflict Studies is an area of interdisciplinary study focusing on conflict management and resolution. Students receive professional preparation including strategies for building peaceful and just social systems, communities, and societies.

The **Department of Public Health Education** offers the Public Health major, leading to the bachelor of science degree. Within the Public Health major, students may select a concentration in Community Health Education or Health Studies (online only). The Community Health Education concentration is a professional program preparing graduates to become Health Educators. The requirements of the Community Health Education concentration meet the professional standards of the field of Health Education allowing graduating students to sit for the Certified Health Education Specialist (CHES) national credentialing exam. An online Health Studies concentration is available for those looking for a pre-professional or non-professional degree option. A Health Studies minor is also available. The department also offers graduate studies leading to a master of public health (M.P.H.) degree and the doctor of philosophy (Ph.D.) degree in community health education. Post-Baccalaureate Certificates (P.B.C.) in Health and Wellness Coaching and in Workplace Wellness are available. As a complement to the academic enterprise of the department, faculty, and students within Public Health

Education are also actively involved in local and national research and outreach.

The **Department of Social Work** prepares undergraduate students for entry-level generalist social work positions in public and private social service agencies, health care organizations, courts, and school systems. The master of social work degree, offered in collaboration with North Carolina Agricultural and Technical State University, is the only joint program of its kind in the nation. The B.S.W. and J.M.S.W. programs are both accredited by the Council on Social Work Education. The M.S.W. and Ph.D. are joint programs with North Carolina A&T.

The **Program in Gerontology** is housed in the Department of Social Work and offers an undergraduate minor in gerontology, a post-baccalaureate certificate in gerontology, and an online master of science in gerontology. Courses fulfilling the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.

- Communication Sciences and Disorders (p. 669)
  - Speech Pathology and Audiology, B.S. (p. 669)
  - Speech-Language Pathology, M.A. (p. 671)
  - Communication Sciences and Disorders (IDEALL), Ph.D. (p. 672)
  - Communication Sciences and Disorders, Ph.D. (p. 673)
- Community and Therapeutic Recreation (p. 675)
  - Recreation and Parks Management, B.S. (p. 675)
  - Community Recreation Undergraduate Minor (p. 679)
  - Community and Therapeutic Recreation Undergraduate Minor (p. 679)
  - Event Planning Undergraduate Minor (p. 679)
  - Recreational Therapy Undergraduate Minor (p. 680)
  - Parks and Recreation Management, M.S. (p. 680)
- Genetic Counseling (p. 682)
  - Genetic Counseling Undergraduate Minor (p. 682)
  - Genetic Counseling, M.S. (p. 682)
- Human Development and Family Studies (p. 685)
  - Early Childhood Development and Education, B.S. (p. 686)
  - Human Development and Family Studies, B.S. (p. 688)
  - Human Development and Family Studies Undergraduate Minor (p. 690)
  - Human Development and Family Studies, M.S. (p. 690)
  - Human Development and Family Studies, Ph.D. (p. 690)
  - Human Development and Family Studies, Doctoral Minor (p. 692)
- Human Health Sciences, B.S. (p. 693)
- Kinesiology (p. 695)
  - Kinesiology, B.S. (p. 695)
  - Physical Education, Teacher Education (K-12), B.S. (p. 697)
  - Community Youth Sport Development Undergraduate Minor (p. 699)
  - Sport Coaching Undergraduate Minor (p. 700)
  - Athletic Training, M.S.A.T. (p. 700)
  - Kinesiology, M.S. (p. 701)
  - Kinesiology, M.S./Ph.D. (p. 706)
  - Kinesiology, Ed.D. (p. 707)
  - Kinesiology, Ph.D. (p. 708)
- Nutrition (p. 710)
  - Nutrition, B.S. (p. 710)
  - Nutrition Undergraduate Minor (p. 713)
  - Nutrition, M.S. (p. 713)
  - Nutrition, Ph.D. (p. 715)
  - Dietetic Internship, Post-Baccalaureate Certificate (p. 716)
- Peace and Conflict Studies (p. 717)
  - Peace and Conflict Studies, B.A. (p. 717)
  - Forced Migration and Resettlement Studies Undergraduate Minor (p. 718)
  - Peace and Conflict Studies Undergraduate Minor (p. 718)
  - Peace and Conflict Studies, M.A. (p. 718)
  - Peace and Conflict Studies, Post-Baccalaureate Certificate (p. 719)
- Public Health Education (p. 720)
  - Public Health Education, B.S. (p. 720)
  - Community Health Education, M.P.H. (p. 723)
  - Community Health Education, Ph.D. (p. 724)
  - Health and Wellness Coaching, Post-Baccalaureate Certificate (p. 725)
  - Workplace Wellness, Post-Baccalaureate Certificate (p. 725)
- Social Work (p. 727)
  - Social Work, B.S.W. (p. 728)
  - Gerontology Undergraduate Minor (p. 731)
  - Social Work Undergraduate Minor (p. 732)
  - Gerontology, M.S. (p. 732)
  - Social Work, M.S.W., offered jointly with North Carolina A&T State University (p. 732)
  - Social Work, Ph.D., offered jointly with North Carolina A&T State University (p. 734)
  - Gerontology, Post-Baccalaureate Certificate (p. 735)

# Communication Sciences and Disorders

School of Health and Human Sciences

300 Ferguson Building  
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**Kristine Lundgren**, Department Chair and Graduate Program Director, Ph.D.  
**Lucia Mendez**, Graduate Program Director, M.S.

## About

The Department of Communication Sciences and Disorders (CSD) offers two graduate programs of study: a two-year Masters degree program in Speech Language Pathology and a Ph.D. program in CSD. An extension of the CSD Ph.D. program, entitled The Inter-Institutional Distance Education Agreement for Learning and Leadership in Communication Sciences and Disorders (IDEALL CSD) is available to part-time doctoral students living in the western region of North Carolina. IDEALL CSD is a distance educational agreement between UNC Greensboro and Western Carolina University (WCU). The UNC Greensboro Masters Degree Program in Speech-Language Pathology (SLP) is a nationally ranked program, accredited by the American Speech-Language Hearing Association's Council on Academic Accreditation in Audiology and Speech-Language Pathology. Our undergraduate, pre-professional program prepares students with a background in speech, language, and hearing sciences, and in speech, language, and hearing disorders in anticipation of their continued studies at the graduate level.

### Professor

Lisa Guerrant Fox-Thomas<sup>G</sup>  
Alan G. Kamhi<sup>G</sup>  
Kristine Lundgren<sup>G</sup>  
Robert Mayo<sup>G</sup>  
Lisa McDonald<sup>G</sup>  
Denise Anne Tucker<sup>G</sup>

### Academic Professional Professor

Perry F. Flynn<sup>G</sup>

### Associate Professor

RaMonda Horton  
Lucía Ingrid Mendez<sup>G</sup>

### Academic Professional Associate Professor

Sena Diane Crutchley<sup>G</sup>  
Emily Lynn Hamuka<sup>G</sup>  
Kelly Turner Harrington<sup>G</sup>  
Amy M Myers<sup>G</sup>  
Tom Adams Page

### Assistant Professor

Jessica Ann Obermeyer<sup>G</sup>

### Academic Professional Assistant Professor

Jennifer M Burkey<sup>G</sup>  
Matthew Christopher Cuddington  
Brooke Elizabeth Holt  
Melissa S May<sup>G</sup>  
Joya C Robertson

### Visiting Assistant Professor

Monique N Goring Shealy  
Laura Paiewonsky Nix

### Lecturer

Sarah M. Hopkins

### G Graduate-level faculty

- Speech Pathology and Audiology, B.S. (p. 669)
- Speech-Language Pathology, M.A. (p. 671)
- Communication Sciences and Disorders (IDEALL), Ph.D. (p. 672)
- Communication Sciences and Disorders, Ph.D. (p. 673)

## Speech Pathology and Audiology, B.S.

The Speech Pathology and Audiology major provides a preprofessional program for those preparing for graduate study in speech-language pathology or audiology. The major is designed to satisfy some requirements for the N.C. license in speech-language pathology or audiology, although no license is awarded until completion of the master's degree in speech language pathology and the Au.D. or Ph.D. in audiology. Instruction is designed to meet American Speech-Language-Hearing Association standards. Transfer students may require an additional semester to complete the undergraduate degree program. All undergraduates will register with the major code of SPAU, but will not be allowed to take CSD courses at the 300 level or above until formally accepted into the major.

## Student Learning Goals

Students majoring in Speech Pathology and Audiology will be able to meet the standards detailed below.

- Identify the foundations of normal communication (speech, language, hearing).
- Explain the theories and processes involved in the identification and evaluation of communication disorders.
- Identify disorders of receptive and expressive written and oral language (phonology, morphology, syntax, semantics, and pragmatics).
- Identify disorders of speech production (articulation, voice, and fluency).
- Describe the cognitive and social aspects of communication.
- Relate issues of cultural diversity to communication and its disorders.
- Explain relationships of hearing and hearing disorders to speech and language development and disorders.
- Analyze and measure hearing function.
- Describe habilitation and rehabilitation of individuals with hearing impairment.

## Admission Requirements

1. Students must be formally admitted to the Speech Pathology and Audiology Major. Only students with a written acceptance will be permitted to enroll in required courses at the 300 level or above.
2. Applicants for admission to the Speech Pathology and Audiology major may apply only after completion and/or transfer of 55 credit hours and must apply before enrollment in any required courses at

- or above the 300 level in the major. Applicants must have an overall grade point average of at least 3.0 to apply to the major.
3. The grade point average is a minimum requirement and simple compliance does not automatically imply admission. In all cases, admission is competitive and limited by space available in the program.
  4. Students seeking admission to the Speech Pathology and Audiology Major should proceed as detailed below.
    - a. Secure an official transcript(s) of undergraduate course work completed at colleges and universities other than UNC Greensboro, and an unofficial transcript from UNC Greensboro;
    - b. Secure an application from the Communication Sciences and Disorders Program Office, 300 Ferguson Building, or online at <http://csd.wp.uncg.edu/students/bs/>;
    - c. Deliver both the transcripts and the completed application to the Program Office, 300 Ferguson Building, by May 15.
    - d. In some cases the Program may require additional information or an interview, so the application process should be initiated immediately after completion of 55 credits. Criteria for Continuing in the Speech Pathology and Audiology Major.

## Criteria for Progressing in the Speech Pathology and Audiology Major

Failure to meet the following criteria will result in dismissal from the major and loss of approval to graduate.

1. Students must maintain a 3.0 GPA overall.
2. Students must maintain a 3.0 GPA in all CSD major courses (300 level and above).
3. Students who earn a grade of C- to D will be automatically placed on probation and required to replace the grade at UNC Greensboro. Student will remain on probation until grade is replaced with a satisfactory grade of a C or better.
4. Student will be dismissed if :
  - a. They earn more than 1 C- or below in a major course and/or
  - b. They earn a grade of D- or below in a major course.
5. Students can only replace 1 grade in a major course at UNCG.
6. Students cannot replace a CSD course grade with a CSD course from another institution.
7. Failure to comply with all university regulations, including the Academic Integrity Policy, will result in dismissal from the major.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Students must maintain a 3.0 GPA overall.
- Students must maintain a 3.0 GPA in all CSD major courses (300 level and above).

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>37</b>
CSD 150	Communication Disabilities in Film	
CSD 250	Concepts in Communication Sciences	
CSD 306	Introduction to Phonetics	
CSD 307	Speech and Hearing Science	
CSD 308	Language and Speech Development	
CSD 309	Anatomy and Physiology of the Speech and Hearing Mechanism	
CSD 334	Introduction to Audiology	
CSD 336	Speech Sound Disorders	
CSD 337	Language Disorders	
CSD 476	Structured Clinic Observations for Speech-Language Pathology Students	
or CSD 477	Structured Clinic Observations for Audiology Students	
CSD 456	Aural Rehabilitation	
or CSD 457	Pediatric Aural Rehabilitation	
CSD 487	Intro Adult Language Disorders	
CSD 488	Neurology of Spch, Lang, Hear	
<b>Speech-Language Pathology</b>		<b>6</b>
CSD 338	Voice and Fluency Disorders	
CSD 450	Diag Prcdr: Inqry, Obsrv, Msrmnt	
<b>Related Area Requirements</b>		<b>31-34</b>
PSY 121	General Psychology	
SES 101	American Sign Language I	
or ASL 101	Elementary American Sign Language I	
MAT 115	College Algebra	
STA 108	Elementary Introduction to Probability and Statistics *	
BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory	
CHE 101	Introductory Chemistry	
or CHE 103	General Descriptive Chemistry I	
or PHY 101	Methods, Skills, and Strategies for Physics	
<i>Select an additional 3 credits from CTI in the Natural Sciences **</i>		
<i>Select an additional 3 credits from CTI in the Social and Behavioral Sciences **</i>		
<i>Select 6 credits of a foreign language through the 102 level <sup>1</sup></i>		

\* Or other course as approved by program director.

\*\* Not selected to fulfill the MAC requirement.

<sup>1</sup> Foreign language 102 may be substituted by a second-level sign language course. If ASL 102/SES 102 is selected, students must take an additional language course at the 101 level or higher.

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

## Disciplinary Honors in Communication Sciences and Disorders

### Requirements

- A minimum of 12 credit hours as defined below.
- A UNC Greensboro GPA in the major of 3.50 and a grade of B+ or higher in all CSD course work with a 3.50 or higher overall GPA at graduation.

Code	Title	Credit Hours
<b>Required</b>		
CSD 490	Senior Honors Project	6-9
CSD 493	Honors Independent Study	
<b>Select 3-6 credits from the following:</b>		<b>3-6</b>
CSD 308	Language and Speech Development	
CSD 336	Speech Sound Disorders	
CSD 337	Language Disorders	
CSD 450	Diag Prcdr: Inqry,Obsrv,Msrmnt	
CSD 456	Aural Rehabilitation	
CSD 457	Pediatric Aural Rehabilitation	
CSD 471	Honors Clinical Practice in Speech-Language Pathology	
CSD 488	Neurology of Spch, Lang, Hear	

### Recognition

Receive a Certificate of Disciplinary Honors in Communication Sciences and Disorders; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Kristine Lundgren at [k\\_lundgr@uncg.edu](mailto:k_lundgr@uncg.edu) for further information and guidance about Honors in Communication Sciences and Disorders. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Speech-Language Pathology, M.A.

The on-campus and the online M.A. in Speech-Language Pathology are accredited by the Council of Academic Accreditation of the American Speech-Language-Hearing Association (ASHA) and provide academic and clinical instruction sufficient for the Certificate of Clinical Competence (CCC) in speech-language pathology awarded by ASHA and licensure in the state of North Carolina.

Both the on-campus and the online program require 66 credit hours (34 credits in academic course work and 32 credits in clinical course work, excluding clinical practicum credits earned) and provide a lifespan approach for advanced study of language, speech, swallowing, non-speech communication systems, and hearing in persons of all ages. The UNCG Speech and Hearing Center, a variety of research laboratories, telepractice, simulated cases, and numerous human service agencies provide ample practical and research experiences.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a written personal statement, not to exceed two double-spaced typed pages, focusing on the applicant's unique

qualifications and interests in the field of speech-language pathology and the master's program at UNC Greensboro.

Students are admitted for full-time study only. Permission for exceptions must be approved by faculty. Typically, students are enrolled full-time for two consecutive academic years including one summer session.

Students without an undergraduate degree in communication sciences and disorders should expect to spend approximately one year taking pre-professional courses (see the undergraduate CSD major in the catalog) required for graduate course work and should consult with advisors in this program for course selection that will meet degree, certification, and licensure requirements.

Upon admission, students will be assigned an academic advisor, who will provide information regarding academic and clinical aspects of the program.

## Degree Program Requirements

**Required:** 66 credit hours

Code	Title	Credit Hours
<b>Research Techniques (6 credits)</b>		
CSD 632	Introduction to Research in Communication Sciences and Disorders	3
<b>Select one course (3 credits) from the following:</b>		
CSD 633	Special Projects in Communication Sciences and Disorders <sup>1</sup>	
CSD 699	Thesis <sup>2</sup>	
<b>Required Professional Area Courses (28 credits)</b>		
CSD 600	Professional Issues and Ethics in Speech-Language Pathology	3
CSD 604	Fluency Disorders	2
CSD 606	Cognitive-Linguistic Disorders in Adults	3
CSD 612	Augmentative and Alternative Communication	1
CSD 614	Language Learning Disabilities	3
CSD 616	Motor Speech Disorders	3
CSD 627	Diversity, Equity, and Inclusion in Communication Sciences and Disorders	1
CSD 629	Dysphagia	3
CSD 636	Prevention, Assessment, and Intervention of Communication Disorders: Birth-5	3
CSD 637	Prevention, Assessment, and Intervention of Communication Disorders: School Age	3
<b>Select one course (3 credits) from the following:</b>		
CSD 605	Seminar in Speech and Language Pathology	
CSD 608	Seminar in Cleft Palate	
CSD 650	Independent Study	
<b>Electives in Speech-Language Pathology</b>		
May select courses in the elective professional areas of the following: <sup>3</sup>		
CSD 619	The Supervisory Process in Communication Sciences and Disorders	
CSD 650	Independent Study	
<b>Clinical Practicum (32 credits)<sup>4</sup></b>		

CSD 638	Minor Area Clinical Practicum for Speech-Language Pathology Majors	1
CSD 671	Clinical Foundations in Speech-Language Pathology I	5
Select 26 credits from the following: <sup>5</sup>		26
CSD 677	Internship in Communication Disorders	
CSD 678	Clinical Foundations in Speech-Language Pathology II	

**Total Credit Hours** **66**

<sup>1</sup> Non-thesis students must take this course.

<sup>2</sup> Thesis students must also enroll in this course.

<sup>3</sup> In consultation with an academic advisor in the discipline.

<sup>4</sup> In order to meet requirements for clinical certification and state licensure, students must complete specific clinical practicum requirements.

<sup>5</sup> As advised.

## Collateral Expertise

Additional courses may be selected to meet basic science requirements for certification or licensure including the following:

Code	Title	Credit Hours
CSD 588	Neurology of Speech, Language and Hearing	3

## Capstone Experience

Non-thesis degree candidates will complete the research courses CSD 632 Introduction to Research in Communication Sciences and Disorders and CSD 633 Special Projects in Communication Sciences and Disorders as capstone experiences. Thesis students will complete CSD 632 and CSD 699 Thesis.

## Dismissal From the Program

Fully admitted students will become academically ineligible to continue in the Department of Communication Sciences and Disorders under any of the following circumstances:

- Academic Ineligibility;
- Grades of U, F, or WF are received in any course;
- Grades of C+ or C are received in more than 6 credit hours;
- Grades of C+ or C are received in CSD 678 Clinical Foundations in Speech-Language Pathology II; or
- The required 3.0 for graduation is not achieved within the minimum number of credit hours required for the degree.

## Residence Requirement

In most cases, students will enroll as full-time students in the Fall semester and continue full-time enrollment for the subsequent four semesters.

# Communication Sciences and Disorders (IDEALL), Ph.D.

The Inter-Institutional Distance Education Agreement for Learning and Leadership in Communication Sciences and Disorders (IDEALL CSD) Ph.D. is an extension of the UNC Greensboro CSD Ph.D. program to part-time doctoral students living in the western region of North Carolina and will prepare those who pursue careers in higher education

for research careers in the academy and other settings. The IDEALL CSD Program prepares both UNC Greensboro and WCU graduates to teach and mentor undergraduate and graduate students in the areas of research and clinical supervision delivery as they create new knowledge. The educational objective of IDEALL CSD is to prepare teachers, scholars, and professional leaders. This objective will be achieved by providing an innovative, responsive, high quality, and accessible course of study to part-time CSD doctoral students who have demonstrated excellent academic achievement in CSD or closely-related disciplines.

IDEALL CSD is a UNC Greensboro degree. Students apply to IDEALL CSD through the UNC Greensboro Graduate School and graduate with a UNC Greensboro graduate doctoral degree.

The program requires a minimum of 63 credit hours. Students who enter with a master's degree are required to earn 51 credits of course work and 12 credits minimum of dissertation. IDEALL CSD doctoral students will follow the exact course requirements that on-campus UNC Greensboro CSD Ph.D. students are required to take.

The IDEALL CSD Ph.D. program requires students to obtain 63 credit hours with 27 credits completed through WCU and 36 credits completed through UNC Greensboro. WCU courses will be delivered in a face-to-face format while UNC Greensboro courses will be delivered via distance/hybrid/face-to-face technologies.

<sup>3</sup> For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Prospective students will apply to the IDEALL CSD Ph.D. program through the Graduate School at UNC Greensboro. Admission procedures will follow those described in the UNCG *University Catalog* and practiced by the doctoral program in Communication Sciences and Disorders.

Applications to the IDEALL CSD Ph.D. program are completed online through the Graduate School website. The following materials are required for an applicant to be considered for admission to the UNCG CSD Ph.D. program:

- University transcripts
- GRE scores; TOEFL scores for international students
- GPA minimum of 3.0
- Current vita
- Sample of writing
- Three letters of recommendation
- Interview with the CSD Graduate Program Director for Doctoral Education and a potential faculty sponsor in the applicant's research area of expertise

A WCU faculty representative will sit on the program admissions committee for IDEALL CSD applicants. WCU will allow visiting IDEALL CSD students to enroll in courses pertaining to their studies. UNCG will remain the students' home institution.

Deadline for application is February 1.

## Degree Program Requirements

**Required:** 63 credit hours

## Plan of Study and Individual Program Planning Committee (IPPC)

Each doctoral student will have an IPPC assigned by the UNC Greensboro CSD Department Chair. Admitted students will work with their CSD faculty mentor in designing the student's Plan of Study; the IPPC helps evaluate the student's needs and assists in developing the Plan of Study.

IDEALL CSD students will have a UNC Greensboro faculty sponsor as chair of their IPPC, in charge of directing the dissertation and the submission of all UNC Greensboro Graduate School forms. The UNC Greensboro CSD Department will submit names of WCU faculty with Ph.D. adjunct appointments with UNC Greensboro, and the UNC Greensboro Adjunct WCU faculty can serve on an IDEALL CSD's student committee.

The student must pass each of the reviews and examinations listed below.

Code	Title	Credit Hours
<b>CSD Courses (15 credits)</b>		
Select 15 credits from CSD courses <sup>1</sup>		15
<b>Intersecting Disciplines (12 credits)</b>		
Select 12 credits of course work in related disciplines <sup>2</sup>		12
<b>Tools Courses (21 credits) <sup>3</sup></b>		
Select 12 credits in statistics <sup>4</sup>		12
Select 3 credits in teaching		3
Select 3 credits in teaching practicum		3
Select 3 credits in grant-writing		3
<b>Professional Seminars (3 credits)</b>		
CSD 751	Professional Seminars in Communication Sciences and Disorders <sup>5</sup>	3
<b>Dissertation (12 credits)</b>		
CSD 799	Dissertation	12
<b>Total Credit Hours</b>		<b>63</b>

<sup>1</sup> May be selected from CSD courses at the 600- and/or 700-level. CSD courses include CSD 760 Advanced Seminar in Communication Sciences and Disorders, CSD 780 Independent Study, and CSD 790 Directed Research.

<sup>2</sup> IDEALL CSD doctoral students select a related minor area theme and take courses from one or more disciplines around that theme. Thus, not all the minor area courses will be taken in the same department. The Intersecting Disciplines are individualized for each doctoral student and will be the same requirement for WCU IDEALL CSD students. Many of our UNC Greensboro CSD students have selected courses from the Psychology, Gerontology, and Special Education Departments for their Intersecting Disciplines topic area. With the approval of the IPPC, select at least 12 credits of course work in a related discipline that is centered around a theme rather than a single area of study (i.e. aging, neuroscience, leadership, clinical supervision, etc).

The IPPC helps evaluate the student's needs and assists in developing the Plan of Study.

<sup>3</sup> Students may select tools courses from CSD courses or interdisciplinary doctoral courses taught by the UNC Greensboro School of Health and Human Sciences. The UNC Greensboro CSD department and the UNC Greensboro School of Health and Human Sciences will offer hands-on practicum courses in the areas of teaching, grant writing, clinical supervision, and academic administration.

<sup>4</sup> IDEALL CSD students may take a fifth statistics course and earn a minor in statistics. 12 credits of statistics courses at WCU. These courses will then be transferred to UNC Greensboro. This requirement follows the UNC Greensboro CSD Ph.D. program requirement of 12 credits of statistics courses. The CSD Department does not have a specific statistics course sequence that all students must follow. Most of our Ph.D. students take their statistics courses through the UNC Greensboro Educational Research Methodology department.

<sup>5</sup> Students will take three terms of CSD 751 to fulfill this requirement.

## Reviews and Examinations

**Qualifying Exams:** The IPPC will prescribe the areas and elements of the exams. The exams will take place after at least three-quarters of the course work in the Plan of Study is completed and will follow the policies and guidelines as outlined in the UNC Greensboro Graduate School policies.

**Dissertation:** Dissertation Proposal Defense, Approval, and Advancement to Candidacy. Following completion of course work, qualifying exams, student will have an oral defense of their dissertation proposal (topic, literature review, and methods). Upon approval of their doctoral committee of their and approval of dissertation proposal, the student may make application to The Graduate School for admission to candidacy for the doctoral degree.

**Final Oral Examination:** Doctoral candidates will successfully pass an oral examination of their independent dissertation study to members of their doctoral committee.

## Communication Sciences and Disorders, Ph.D.

The Ph.D. in Communication Sciences and Disorders is designed for advanced study in communication sciences and disorders, intersecting disciplines, and development of research and teaching strategies. Students with backgrounds in speech language pathology, audiology, or other disciplines are encouraged to explore with the faculty the new frontiers in scientific discovery that link previous academic achievement and future study. Part-and full-time study is available.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Prospective students will apply to the CSD Ph.D. program through the Graduate School at UNC Greensboro. Admission procedures will follow those described in the UNCG University Catalog and practiced by the doctoral program in Communication Sciences and Disorders.

Applications to the CSD Ph.D. program are completed online through the Graduate School website. The following materials are required for an applicant to be considered for admission to the UNCG CSD Ph.D. program:

- University transcripts
- GRE scores; TOEFL scores for international students
- GPA minimum of 3.0
- Current vita
- Sample of writing
- Three letters of recommendation

- Interview with the CSD Graduate Program Director for Doctoral Education and a potential faculty sponsor in the applicant's research area of expertise

Deadline for application is February 1.

## Degree Program Requirements

**Required:** 63 credit hours

### Plan of Study and Individual Program Planning Committee (IPPC)

Each doctoral student will have an IPPC assigned by the UNC Greensboro CSD Department Chair. Admitted students will work with their CSD faculty mentor in designing the student's Plan of Study; the IPPC helps evaluate the student's needs and assists in developing the Plan of Study.

The student must pass each of the reviews and examinations listed below.

Code	Title	Credit Hours
<b>CSD Courses (15 credits)</b>		
Select 15 credits from CSD courses <sup>1</sup>		15
<b>Intersecting Disciplines (12 credits)</b>		
Select 12 credits of course work in related disciplines <sup>2</sup>		12
<b>Tools Courses (21 credits) <sup>3</sup></b>		
Select 12 credits in statistics <sup>4</sup>		12
Select 3 credits in teaching		3
Select 3 credits in teaching practicum		3
Select 3 credits in grant-writing		3
<b>Professional Seminars (3 credits)</b>		
CSD 751	Professional Seminars in Communication Sciences and Disorders <sup>5</sup>	3
<b>Dissertation (12 credits)</b>		
CSD 799	Dissertation	12
<b>Total Credit Hours</b>		<b>63</b>

<sup>1</sup> May be selected from CSD courses at the 600- and/or 700-level. CSD courses include CSD 760 Advanced Seminar in Communication Sciences and Disorders, CSD 780 Independent Study, and CSD 790 Directed Research.

<sup>2</sup> With the approval of their IPPC, doctoral students will select at least 12 credits of course work in a related discipline that is centered around a theme rather than a single area of study (i.e. aging, neuroscience, leadership, clinical supervision, etc.).

<sup>3</sup> Students may select tools courses from CSD courses or interdisciplinary doctoral courses taught by the UNC Greensboro School of Health and Human Sciences. The UNC Greensboro CSD department and the UNC Greensboro School of Health and Human Sciences will offer hands-on practicum courses in the areas of teaching, grant writing, clinical supervision, and academic administration.

<sup>4</sup> Students may take a fifth statistics course and earn a minor in statistics.

<sup>5</sup> Students will take three terms of CSD 751 to fulfill this requirement.

## Reviews and Examinations

**Qualifying Exams:** The IPPC will prescribe the areas and elements of the exams. The exams will take place after at least three-quarters of the course work in the Plan of Study is completed and will follow the policies

and guidelines as outlined in the UNC Greensboro Graduate School policies.

**Dissertation:** Dissertation Proposal Defense, Approval, and Advancement to Candidacy. Following completion of coursework, qualifying exams, student will have an oral defense of their dissertation proposal (topic, literature review, and methods). Upon approval of their doctoral committee of their dissertation proposal, the student may make application to The Graduate School for admission to candidacy for the doctoral degree.

**Final Oral Examination:** Doctoral candidates will successfully pass an oral examination of their independent dissertation study to members of their doctoral committee.

# Community and Therapeutic Recreation

School of Health and Human Sciences

524 Highland Avenue, 200B Ferguson Building

336-334-5327

<http://hhs.uncg.edu/ctr> (<http://hhs.uncg.edu/ctr/>)

**Benjamin Hickerson**, Department Chair

**Kimberly Miller**, Director of Undergraduate Studies

**Justin Harmon**, Graduate Program Director

## About

The Department of Community and Therapeutic Recreation is committed to offering an academically challenging program of undergraduate education coupled with a solid foundation of a liberal arts education. The program has been accredited by the NRPA/Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT) since 1981.

## Mission

The Department of Community and Therapeutic Recreation prepares recreation, park, and leisure services professionals to enhance health, wellness, and quality of life among individuals and communities through excellence in teaching, research, and community engagement.

## Vision Statement

The Department of Community and Therapeutic Recreation aims to shape individuals and communities to be healthy, active, inclusive, and empowered through recreation and parks.

## Values

The Department of Community and Therapeutic Recreation is guided by the execution of its mission and vision by the following fundamental values. We value:

- Recreation as a basic human need and right of all people;
- Enhanced health, wellness, and quality-of-life for individuals and communities;
- Human growth and development through opportunities for self-expression, creativity, and self-determination;
- Protection and equitable access to parks, open space, and other natural resources; and
- Inclusive communities.

### Associate Professor

Justin Tyler Harmon<sup>G</sup>

Benjamin D Hickerson<sup>G</sup>

Brent D Wolfe<sup>G</sup>

### Academic Professional Associate Professor

Kimberly D. Miller<sup>G</sup>

### Academic Professional Assistant Professor

Joan Langella Sutton<sup>G</sup>

### Lecturer

Carolyn Datha Osborne Austin

Jennifer Lloyd Ball

Samuel Austin Homan

*G Graduate-level faculty*

- Recreation and Parks Management, B.S. (p. 675)
- Community Recreation Undergraduate Minor (p. 679)
- Community and Therapeutic Recreation Undergraduate Minor (p. 679)
- Event Planning Undergraduate Minor (p. 679)
- Recreational Therapy Undergraduate Minor (p. 680)
- Parks and Recreation Management, M.S. (p. 680)

## Recreation and Parks Management, B.S.

The Recreation and Parks Management degree teaches skills in program planning, leadership, community inclusion, and strategies for enhancing, health, wellbeing, and quality of life for all ages, abilities, and backgrounds. Specialties within this growing field are public recreation, therapeutic recreation (recreation therapy), event planning, gerontology, youth development, sports management, parks and forestry, specialized facility management, commercial enterprise, resource management, and administration. The undergraduate program has been fully accredited by the Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT) since 1981.

## Overall Requirements

- 120 credit hours to include at least 36 credits at or above the 300 course level.
- Both field experiences are typically offered only during the summer sessions and should not be taken during the same summer; students should plan accordingly.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Community Recreation and Event Planning
- Recreational Therapy

## Electives

Electives sufficient to complete 120 total credit hours required for degree.

### Community Recreation and Event Planning Concentration Requirements

Code	Title	Credit Hours
	Course Option <i>Select one of the following:</i>	3

CTR 102	Creating a Meaningful Life	
CTR 103	Sex, Drugs, & Rock n' Roll	
<b>Recreational Therapy (RT) Specialization</b>		<b>3</b>
<i>Select one of the following:</i>		
CTR 231	Introduction to Recreational Therapy	
CTR 235	Disabling Conditions and Recreational Therapy	
<b>Required</b>		<b>51</b>
CTR 101	Leisure and American Lifestyles	
CTR 212	Leadership in Recreation and Parks	
CTR 213	Programming in Recreation and Events	
CTR 214	Inclusive Recreation	
CTR 251	Practicum Preparation in Recreation and Parks	
CTR 252	Professional Internship Preparation in Recreation and Parks	
CTR 315	Practicum in Recreation and Parks *	
CTR 342	Recreation Area and Facility Development	
CTR 348	Evaluation Methods in Recreation and Parks	
CTR 415	Financing and Budgeting in Recreation and Parks	
CTR 416	Management in Recreation and Parks	
CTR 417	Internship in Recreation and Parks *	
CTR 423	Meeting and Event Planning and Management	
CTR 429	Special Event Management	
CTR 444	Recreation, Parks, and Health	
<b>Community, Recreation, and Event Planning (CREP) Specialization</b>		<b>3</b>
<i>Select one course from the following:</i>		
HTM 451	Service Management	
KIN 420	Physical Activity Programs for Underserved Youth	
PSC 440	Nonprofit Management and Leadership	

\* An overall GPA of 2.0 or better is required prior to registration for this course.

## Related Area Requirements

Select a minor in one of the following areas, with approval by the student's academic advisor: Business Administration, Communication Studies, Environment, Sustainability, Political Science, Sociology, or Sport Coaching.

## Recreational Therapy Concentration Requirements

Code	Title	Credit Hours
<b>Course Option</b>		<b>3</b>
<i>Select one of the following:</i>		
CTR 102	Creating a Meaningful Life	
CTR 103	Sex, Drugs, & Rock n' Roll	
<b>Required</b>		<b>54</b>
CTR 101	Leisure and American Lifestyles	
CTR 212	Leadership in Recreation and Parks	
CTR 213	Programming in Recreation and Events	
CTR 214	Inclusive Recreation	
CTR 231	Introduction to Recreational Therapy	
CTR 235	Disabling Conditions and Recreational Therapy	
CTR 251	Practicum Preparation in Recreation and Parks	

CTR 252	Professional Internship Preparation in Recreation and Parks	
CTR 315	Practicum in Recreation and Parks *	
CTR 338	Client Assessment in Recreational Therapy	
CTR 415	Financing and Budgeting in Recreation and Parks	
CTR 416	Management in Recreation and Parks	
CTR 417	Internship in Recreation and Parks *	
CTR 433	Trends and Issues in Recreational Therapy	
CTR 437	Interventions and Facilitation Techniques in Recreational Therapy	
CTR 439	Clinical Procedures in Recreational Therapy	
<b>Community, Recreation, and Event Planning (CREP) Specialization</b>		<b>3</b>
<i>Select one of the following:</i>		
CTR 342	Recreation Area and Facility Development	
CTR 348	Evaluation Methods in Recreation and Parks	
CTR 423	Meeting and Event Planning and Management	
CTR 444	Recreation, Parks, and Health	
<b>Recreational Therapy (RT) Human Services</b>		<b>3</b>
<i>Select one of the following:</i>		
ASL 101	Elementary American Sign Language I	
CED 474	Contemporary Topics in Counseling	
GRO 201	Introduction to Gerontology: Thinking about Aging	
HDF 112	Families and Close Relationships	
HDF 202	Infant and Child Development	
HDF 203	Adolescent Development: From Puberty to Young Adulthood	
HDF 204	Adult Development	
KIN 376	Biomechanics of Sport and Physical Activity	
KIN 386	Motor Control and Learning	
KIN 479	Exercise and Older Adults	
SES 200	People with Disabilities in American Society	
SES 440	Intro to Special Education	
SOC 222	Sociology of Deviant Behavior	
SOC 323	Deviance and Social Control	
<b>Related Area Requirements</b>		<b>27</b>
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 271 & 271L or KIN 291 & 291L	Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory	
BIO 277 & 277L or KIN 292 & 292L	Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory	
CED 310	Helping Skills	
HDF 111	Human Development Across the Life Span	
HEA 113	Medical Terminology for Public Health Professionals	
PSY 121	General Psychology	
PSY 341	Adult Psychopathology	

\* An overall GPA of 2.0 or better is required prior to registration for this course.

## Disciplinary Honors in Community and Therapeutic Recreation

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors course in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Community and Therapeutic Recreation; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Stuart Shleien at [sjschlei@uncg.edu](mailto:sjschlei@uncg.edu) for further information and guidance about Honors in Community and Therapeutic Recreation. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Community Recreation and Event Planning Concentration

Year One	Credit Hours
<b>Fall</b>	
CTR 101 Leisure and American Lifestyles (MAC Health and Wellness)	3
MAC Foundations Course	3
MAC Course	3
MAC Course	3
MAC Course	3
<b>Credit Hours</b>	<b>15</b>

Spring	Credit Hours
CTR 212 Leadership in Recreation and Parks	3
CTR 214 Inclusive Recreation (MAC Diversity and Equity )	3
MAC Course	3
MAC Course	3
MAC Course	3
<b>Credit Hours</b>	<b>15</b>

Year Two	Credit Hours
<b>Fall</b>	
CTR 102 Creating a Meaningful Life or Sex, Drugs, & Rock n' Roll	3
CTR 342 Recreation Area and Facility Development	3
MAC Course	3
Minor Course	3
Elective	3
<b>Credit Hours</b>	<b>15</b>

Spring	Credit Hours
CTR 213 Programming in Recreation and Events	4
CTR 231 Introduction to Recreational Therapy or Disabling Conditions and Recreational Therapy	3
MAC Critical Thinking and Inquiry in the Natural Sciences	4
<b>Credit Hours</b>	<b>15</b>

Minor	3
Elective	1
<b>Credit Hours</b>	<b>15</b>
<b>Year Three</b>	
<b>Fall</b>	
CTR 348 Evaluation Methods in Recreation and Parks	3
CTR 423 Meeting and Event Planning and Management	3
Minor Course	3
Minor Course	3
Minor Course	3
<b>Credit Hours</b>	<b>15</b>
<b>Spring</b>	
CTR 251 Practicum Preparation in Recreation and Parks	1
CTR 429 Special Event Management	3
CTR 444 Recreation, Parks, and Health	3
HTM 451 Service Management or KIN 420 or PSC 440 or Physical Activity Programs for Underserved Youth or Nonprofit Management and Leadership	3
Minor Course or Elective	3
Elective	1
<b>Credit Hours</b>	<b>14</b>
<b>Summer Session I</b>	
CTR 315 Practicum in Recreation and Parks (A three (3) credit hour experience may be repeated once for a maximum of 6 credits.)	3
Elective	3
<b>Credit Hours</b>	<b>6</b>
<b>Year Four</b>	
<b>Fall</b>	
CTR 252 Professional Internship Preparation in Recreation and Parks	1
CTR 415 Financing and Budgeting in Recreation and Parks	3
CTR 416 Management in Recreation and Parks	3
Minor Course or Elective	3
Elective	3
<b>Credit Hours</b>	<b>13</b>
<b>Spring</b>	
CTR 417 Internship in Recreation and Parks	12
<b>Credit Hours</b>	<b>12</b>
<b>Total Credit Hours</b>	<b>120</b>
<b>Recreational Therapy Concentration</b>	
<b>Year One</b>	
<b>Fall</b>	
CTR 101 Leisure and American Lifestyles (MAC Health and Wellness )	3
MAC Foundations Course	3
MAC Course	3
MAC Course	3
<b>Credit Hours</b>	<b>12</b>
<b>Year One</b>	
<b>Fall</b>	
CTR 101 Leisure and American Lifestyles (MAC Health and Wellness )	3
MAC Foundations Course	3
MAC Course	3
MAC Course	3
<b>Credit Hours</b>	<b>12</b>
<b>Year Two</b>	
<b>Fall</b>	
CTR 102 Creating a Meaningful Life or Sex, Drugs, & Rock n' Roll	3
CTR 342 Recreation Area and Facility Development	3
MAC Course	3
Minor Course	3
Elective	3
<b>Credit Hours</b>	<b>15</b>
<b>Spring</b>	
CTR 102 Creating a Meaningful Life or Sex, Drugs, & Rock n' Roll	3
CTR 212 Leadership in Recreation and Parks	3
HDF 111 Human Development Across the Life Span (MAC Critical Thinking and Inquiry in the Social and Behavioral Sciences )	3
MAC Course	3
MAC Course	3
<b>Credit Hours</b>	<b>15</b>

<b>Year Two</b>				
<b>Fall</b>				
CTR 214	Inclusive Recreation (MAC Diversity and Equity)	3	PSY 341 or GRO 201 or HDF 112 or HDF 202 or HDF 203 or HDF 204 or KIN 376 or KIN 386 or KIN 479 or PHI 301 or PSY 444 or PSY 470 or SES 101 or ASL 101 or SES 200 or SOC 202 or SOC 323 or SES 440	Adult Psychopathology or Introduction to Gerontology: Thinking about Aging or Families and Close Relationships or Infant and Child Development or Adolescent Development: From Puberty to Young Adulthood or Adult Development or Biomechanics of Sport and Physical Activity or Motor Control and Learning or Exercise and Older Adults or Topics in Philosophy or Changing Behavior in Real World Settings or Psychological Disorders of Children or American Sign Language I or Elementary American Sign Language I or People with Disabilities in American Society or Social Problems in Global Context or Deviance and Social Control or Intro to Special Education
CTR 231	Introduction to Recreational Therapy	3		
PSY 121	General Psychology	3		
MAC Course		3		
Elective		3		
	<b>Credit Hours</b>	<b>15</b>		
<b>Spring</b>				
CTR 213	Programming in Recreation and Events	4	CED 474	Contemporary Topics in Counseling
CTR 235	Disabling Conditions and Recreational Therapy	3	Elective	
CTR 338	Client Assessment in Recreational Therapy	3		<b>Credit Hours</b>
BIO 111	Principles of Biology I (MAC Critical Thinking and Inquiry in the Natural Sciences)	3	CTR 417	Internship in Recreation and Parks
BIO 111L	Principles of Biology I Laboratory	1		<b>Credit Hours</b>
	<b>Credit Hours</b>	<b>14</b>		<b>Total Credit Hours</b>
<b>Year Three</b>				<b>120</b>
<b>Fall</b>				
CTR 342 or CTR 348 or CTR 423 or CTR 429 or CTR 444	Recreation Area and Facility Development or Evaluation Methods in Recreation and Parks or Meeting and Event Planning and Management or Special Event Management or Recreation, Parks, and Health	3		
CTR 415	Financing and Budgeting in Recreation and Parks	3		
CTR 439	Clinical Procedures in Recreational Therapy	3		
BIO 271 & 271L or KIN 291 <i>and</i> KIN 291L	Human Anatomy or Clinical Human Anatomy <i>and</i> Clinical Human Anatomy Laboratory	4		
	<b>Credit Hours</b>	<b>13</b>		
<b>Spring</b>				
CTR 251	Practicum Preparation in Recreation and Parks	1		
CTR 433	Trends and Issues in Recreational Therapy	3		
BIO 277 & 277L or KIN 292 <i>and</i> KIN 292L	Human Physiology or Clinical Human Physiology <i>and</i> Clinical Human Physiology Laboratory	4		
CED 310	Helping Skills	3		
Elective		3		
	<b>Credit Hours</b>	<b>14</b>		
<b>Summer Session I</b>				
CTR 315	Practicum in Recreation and Parks (A three (3) credit hour experience may be repeated once for a maximum of 6 credits.)	3		
HEA 113	Medical Terminology for Public Health Professionals	3		
	<b>Credit Hours</b>	<b>6</b>		
<b>Year Four</b>				
<b>Fall</b>				
CTR 252	Professional Internship Preparation in Recreation and Parks	1		
CTR 416	Management in Recreation and Parks	3	<b>Code</b>	<b>Title</b>
CTR 437	Interventions and Facilitation Techniques in Recreational Therapy	3		<b>Credit Hours</b>

## Accelerated B.S. in Recreation and Parks Management to M.S. in Parks and Recreation Management

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Recreation and Parks Management may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 college-level credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take an entrance exam. All applicants must complete the Accelerated Master's Program information when applying for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements:

|--|--|--|--|

#### Required for both Concentrations

CTR 611	Foundations of Recreation and Parks	3
CTR 613	Recreation and Parks Management	3

#### For the Community Recreation Management Concentration

Select two of the following:	6
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CTR 615	Financing and Budgeting in Recreation and Parks
CTR 644	Recreation, Parks, and Health
CTR 646	Community Development

#### For the Recreational Therapy Concentration

Select two of the following:	6
CTR 633 Professional Issues in Recreational Therapy	
CTR 634 Advanced Procedures in Recreational Therapy	
CTR 637 Advanced Interventions and Facilitation Techniques in Recreational Therapy	
CTR 638 Advanced Client Assessment in Recreational Therapy	
CTR 639 Advanced Clinical Procedures in Recreational Therapy	
CTR 646 Community Development	

All additional degree requirements for the M.S. in Parks and Recreation Management remain the same.

## Community Recreation Undergraduate Minor

This minor complements a number of majors, including Biology, Business Administration, Communication Studies, Counseling and Educational Development, Geography, History, Hospitality and Tourism Management, Human Development and Family Studies, Kinesiology, Political Science, Psychology, Public Health, and Social Work.

### Program Requirements

- Minimum of 16 credit hours.

Code	Title	Credit Hours
<b>Required</b>		
CTR 101	Leisure and American Lifestyles	16
CTR 212	Leadership in Recreation and Parks	
CTR 213	Programming in Recreation and Events	
CTR 342	Recreation Area and Facility Development	
<i>Select one from the following:</i>		
CTR 214	Inclusive Recreation	
CTR 348	Evaluation Methods in Recreation and Parks	
CTR 444	Recreation, Parks, and Health	

## Community and Therapeutic Recreation Undergraduate Minor

This minor complements a number of majors, including Biology, Business Administration, Communication Studies, Counseling and Educational Development, Geography, History, Hospitality and Tourism Management, Human Development and Family Studies, Kinesiology, Political Science, Psychology, Public Health, and Social Work. Sixteen credit hours are required.

Students interested in a minor in Community and Therapeutic Recreation can declare their minor with the University Registrar's Office, but should also contact the Department of Community and Therapeutic Recreation to speak with an advisor.

### Program Requirements

- Minimum of 16 credit hours

Code	Title	Credit Hours
<b>Required</b>		
CTR 101	Leisure and American Lifestyles	10
or CTR 111		
CTR 212	Leadership in Recreation and Parks	
CTR 213	Programming in Recreation and Events	
<b>Select 6 credits from one of the two department concentrations</b>		
<i>Community Recreation and Event Planning Concentration</i>		
CTR 342	Recreation Area and Facility Development	
CTR 346		
CTR 415	Financing and Budgeting in Recreation and Parks	
CTR 348	Evaluation Methods in Recreation and Parks	
CTR 423	Meeting and Event Planning and Management	
CTR 429	Special Event Management	
<i>Therapeutic Recreation Concentration</i>		
CTR 231	Introduction to Recreational Therapy	
CTR 235	Disabling Conditions and Recreational Therapy	
CTR 314		
CTR 338	Client Assessment in Recreational Therapy	
CTR 433	Trends and Issues in Recreational Therapy	
CTR 437	Interventions and Facilitation Techniques in Recreational Therapy	
CTR 439	Clinical Procedures in Recreational Therapy	

## Event Planning Undergraduate Minor

This minor complements a number of majors, including Biology, Business Administration, Communication Studies, Counseling and Educational Development, Geography, History, Hospitality and Tourism Management, Human Development and Family Studies, Kinesiology, Political Science, Psychology, Public Health, and Social Work.

Students interested in a minor in Event Planning can declare their minor with the University Registrar's Office, but should also contact the Department of Community and Therapeutic Recreation to speak with an advisor.

### Program Requirements

- Minimum of 16 credit hours.

Code	Title	Credit Hours
<b>Required</b>		
CTR 101	Leisure and American Lifestyles	16
CTR 213	Programming in Recreation and Events	
CTR 423	Meeting and Event Planning and Management	
CTR 429	Special Event Management	
<i>Select one from the following:</i>		
CTR 214	Inclusive Recreation	
CTR 415	Financing and Budgeting in Recreation and Parks	
CTR 416	Management in Recreation and Parks	

## Recreational Therapy Undergraduate Minor

This minor complements a number of majors, including Biology, Business Administration, Communication Studies, Counseling and Educational Development, Geography, History, Hospitality and Tourism Management, Human Development and Family Studies, Kinesiology, Political Science, Psychology, Public Health, and Social Work.

Students interested in a minor in Recreational Therapy can declare their minor with the University Registrar's Office, but should also contact the Department of Community and Therapeutic Recreation to speak with an advisor regarding any additional requirements that might be needed for national certification and state licensure in recreational therapy.

### Program Requirements

- Minimum of 18 credit hours.

Code	Title	Credit Hours
<b>Required</b>		<b>18</b>
CTR 231	Introduction to Recreational Therapy	
CTR 235	Disabling Conditions and Recreational Therapy	
CTR 338	Client Assessment in Recreational Therapy	
CTR 433	Trends and Issues in Recreational Therapy	
CTR 437	Interventions and Facilitation Techniques in Recreational Therapy	
CTR 439	Clinical Procedures in Recreational Therapy	

## Parks and Recreation Management, M.S.

The M.S. in Parks and Recreation Management requires 36 credit hours. Students may choose one of the following two concentrations: Community Recreation Management or Recreational Therapy.

The student, after discussing career goals with his/her advisor, may choose either the thesis or non-thesis option. If the student selects the non-thesis option, the advisor will determine (based on amount of professional experience) whether the student completes a project, an internship, or a combination of a project and an internship. For example, a student choosing the non-thesis option and having minimal professional experience will be required to complete an internship. Students must meet with their advisor or the Director of Graduate Study before registering for any course work.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a current resume and a professional statement including career goals. Interviews are encouraged for all applicants and required for graduate assistants.

Students in the Recreational Therapy concentration who do not have an undergraduate degree in recreational therapy will be required to take one of the following two courses at the undergraduate level: CTR 231 Introduction to Recreational Therapy or CTR 235 Disabling Conditions and Recreational Therapy. Other support courses not taken at the undergraduate level may also need to be completed by

Recreational Therapy students: Anatomy and Physiology, Lifespan Human Development, and Abnormal Psychology.

### Degree Program Requirements

**Required:** 36-39 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (9 credits)<sup>1</sup></b>		
CTR 611	Foundations of Recreation and Parks	3
CTR 613	Recreation and Parks Management	3
Select one course (3 credits) from the following:		3
CTR 646	Community Development <sup>2</sup>	
PCS 605	Skills and Techniques of Conflict Management	
PCS 606	Organizational Conflict: Diagnostic and Intervention Tools	
PCS 685	Resolving Conflict in Health Care Systems: Achieving Peace through Health	
PSC 540	Nonprofit Management and Leadership	
PSC 600	Public Administration and Management	
PSC 604	Public Personnel Management	
PSC 615	Human Resource Development and Performance Management	
<b>Concentration Courses (9 or 15 credits)</b>		
Select 9 or 15 credits in one of the following concentrations:		9 or 15
<i>Community Recreation Management Concentration (9 credits)</i>		
<i>Recreational Therapy Concentration (9 or 15 credits)<sup>3</sup></i>		
<b>Research Techniques (6 credits)<sup>1</sup></b>		
Select one analysis course (3 credits) from the following:		3
ERM 680	Intermediate Statistical Methods in Education	
HEA 604	Quantitative Methods	
HHS 601	Qualitative Research Methods for Producers	
KIN 723	Statistical Methods for Kinesiology	
Select one methods course (3 credits) from the following:		3
ERM 604	Methods of Educational Research	
HHS 600	Qualitative Research Methods for Consumers	
HHS 625	Research Methods in the Health and Human Sciences	
HHS 630	Survey Design: Health and Human Sciences	
KIN 601	Applying Research to Professional Practice	
SOC 616	Advanced Research Methods	
<b>Specialized Line of Study (0-9 credits)</b>		
Select 6-9 or 0 credits from 500- to 700-level courses: <sup>4</sup>		6-9 or 0
<i>Community Recreation Management concentration students (6-9 credits)</i>		
<i>Recreational Therapy concentration students with the CTRS credential (6-9 credits)</i>		
<i>Recreational Therapy concentration students without the CTRS credential (0 credits)</i>		
<b>Capstone Experience (6 credits)</b>		
Select 6 credits from one of the following options:		6

<i>Internship</i>	
CTR 697	Internship in Recreation and Parks
<i>Project</i>	
CTR 698	Field Project in Recreation and Parks
<i>Internship and Project</i>	
CTR 697 & CTR 698	Internship in Recreation and Parks and Field Project in Recreation and Parks
<i>Thesis</i>	
CTR 699	Thesis

**Total Credit Hours** **36-39**

- 1 Required of all students.
- 2 For Recreational Therapy concentration students only.
- 3 Students in the Recreational Therapy concentration with the CTRS credential will complete 9 credits; students without the credential will complete 15 credits. See the concentration requirements for additional details.
- 4 After consultation and approval of their academic advisor, the student selects 6-9 credits of 500-to 700-level course work that constitutes a specialized knowledge base (line of study) relevant to the student's academic and professional interests and goals. Students in the Recreational Therapy concentration who do not hold the CTRS credential will not have a specialized line of study.

## Community Recreation Management Concentration

Code	Title	Credit Hours
<b>Required Courses (9 credits)</b>		
CTR 615	Financing and Budgeting in Recreation and Parks	3
CTR 644	Recreation, Parks, and Health	3
CTR 646	Community Development	3
<b>Total Credit Hours</b>		<b>9</b>

## Recreational Therapy Concentration

Code	Title	Credit Hours
<b>Required Courses (9 credits) *</b>		
CTR 633	Professional Issues in Recreational Therapy	3
CTR 634	Advanced Procedures in Recreational Therapy	3
CTR 637	Advanced Interventions and Facilitation Techniques in Recreational Therapy	3
<b>Additional Courses (6 credits) **</b>		
CTR 638	Advanced Client Assessment in Recreational Therapy	3
CTR 639	Advanced Clinical Procedures in Recreational Therapy	3
<b>Total Credit Hours</b>		<b>9-15</b>

\* Required for all students in the Recreational Therapy concentration.

\*\* Required only for students who do not hold the CTRS credential.

## Accelerated B.S. in Recreation and Parks Management to M.S. in Parks and Recreation Management

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Recreation and Parks Management may apply for admission to the Accelerated Master's Program (AMP). A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least 60 college-level credits and may not apply for admission to the AMP before the first semester of the junior year. Applicants will not be required to take an entrance exam. All applicants must complete the Accelerated Master's Program information when applying for admission to the graduate degree program.

### Courses

Admitted students may apply a maximum of 12 credits of graduate-level course work (each course carries 3 credits) from the following course list toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
<b>Required for both Concentrations</b>		
CTR 611	Foundations of Recreation and Parks	3
CTR 613	Recreation and Parks Management	3
<b>For the Community Recreation Management Concentration</b>		
Select two of the following:		
CTR 615	Financing and Budgeting in Recreation and Parks	
CTR 644	Recreation, Parks, and Health	
CTR 646	Community Development	
<b>For the Recreational Therapy Concentration</b>		
Select two of the following:		
CTR 633	Professional Issues in Recreational Therapy	
CTR 634	Advanced Procedures in Recreational Therapy	
CTR 637	Advanced Interventions and Facilitation Techniques in Recreational Therapy	
CTR 638	Advanced Client Assessment in Recreational Therapy	
CTR 639	Advanced Clinical Procedures in Recreational Therapy	
CTR 646	Community Development	
All additional degree requirements for the M.S. in Parks and Recreation Management remain the same.		

# Genetic Counseling

School of Health and Human Sciences

996 Spring Garden Street

336-256-0175

<http://hhs.uncg.edu/genetic-counseling-program> (<http://hhs.uncg.edu/genetic-counseling-program/>)

Lauren Doyle, Program Director and Graduate Program Director

## About

An interdisciplinary Master of Science in Genetic Counseling is offered through The School of Health and Human Sciences. The program is accredited by the Accreditation Council for Genetic Counseling (ACGC). Applicants admitted to the program are expected to enroll as full-time students, registering for the required courses for each of the four semesters of the program and the intervening summer sessions.

### Professor

Lauren E. Doyle<sup>G</sup>

### Academic Professional Associate Professor

Randi Leigh Culp Stewart<sup>G</sup>

### Academic Professional Assistant Professor

Rachel Mills<sup>G</sup>

### Lecturer

Paige Kathleen Babb

Laura Deasy Bulmer

Thomas Rickey Felton

Haley Erline Gardiner

Sonja Eubanks Higgins

Aimee Marie Morrow

### G Graduate-level faculty

- Genetic Counseling Undergraduate Minor (p. 682)
- Genetic Counseling, M.S. (p. 682)

## Genetic Counseling Undergraduate Minor

### Program Requirements

- Minimum of 24 credit hours.

Code	Title	Credit Hours	
<b>Required</b>		<b>6</b>	
GEN 321	Introduction to Clinical Genetics		
<i>Select one course from the following:</i>			
GEN 101	DNA and the Countless Ways Genetics Influence Your Daily Life		
GEN 201	The Best Career You Never Heard Of: How to Think Like a Genetic Counselor		
<b>Biology</b>		<b>3</b>	
BIO 392	Genetics		
<b>Chemistry</b>		<b>3</b>	
CHE 420	Chemical Principles of Biochemistry or CHE 456 Biochemistry I		
<b>Psychology/Counseling</b>		<b>3</b>	
PSY 121	General Psychology		
<b>Statistics</b>		<b>3</b>	
<i>Select one course from the following:</i>			
STA 108	Elementary Introduction to Probability and Statistics		
STA 271	Fundamental Concepts of Statistics		
PSY 211	Statistics in Behavioral Science Research		
<b>Electives</b>		<b>6-8</b>	
<i>Select 6-8 credits from the following:</i>			
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory		
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory		
BIO 355	Cell Biology		
BIO 406	Adv Topics in Genetics		
BIO 407	Advanced TpCs in Neurobiology		
BIO 486	Cell Cycle and Cancer		
CED 274	Stress Management		
CED 310	Helping Skills		
HHS 240	Introduction to Interprofessional Education and Practice		
HHS 340	Seminar in Interprofessional Education and Practice		
HHS 360	Healthcare Policy		
HHS 370	Culturally Relevant Healthcare		
HDF 111	Human Development Across the Life Span		
HDF 202	Infant and Child Development		
HDF 203	Adolescent Development: From Puberty to Young Adulthood		
HDF 204	Adult Development		
HDF 221	Issues in Parenting		
HEA 113	Medical Terminology for Public Health Professionals		
HEA 201	Personal Health		
HEA 307	Global Health		
HEA 334	Community Health		
HEA 350	Race, Ethnicity, and Health		
KIN 271	Intermediate Badminton		
PSY 230	Biological Psychology		
PSY 250	Developmental Psychology		
PSY 275	Introduction to Clinical Psychology		
PSY 361	Theories of Personality		
PSY 370	Ethnicity, Development, and Psychopathology		
PSY 375	Psychology of Aging		
PSY 390	Health Psychology and Culture		

## Genetic Counseling, M.S.

The M.S. in Genetic Counseling program is accredited by the Accreditation Council for Genetic Counseling (ACGC). The program is designed to prepare students with the knowledge and proficiencies

necessary to practice as genetic counselors in a variety of settings including prenatal, pediatric, adult, and cancer genetics. Upon completion of the program, students are eligible to apply for certification by the American Board of Genetic Counseling (ABGC).

A total of 62-64 credit hours are required for the M.S. in Genetic Counseling. The program includes required and elective course work, laboratory experience and clinical internships. Students are also required to complete a capstone project as the culminating experience for the degree.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal essay, resume, and evidence of successful completion of at least one upper level undergraduate course each in general genetics and biochemistry and at least one undergraduate course in statistics. Applicants who are evaluated as meeting the standards for admission will be invited for a required personal interview with the admissions committee.

It is recommended that applicants have previous experience in a volunteer or paid position working in social service agencies or with crisis counseling organizations. It is also recommended that applicants have previous exposure to genetic counseling via shadowing or internship experiences.

## Degree Program Requirements

**Required:** 62-64 credit hours

Year One		
	Credit Hours	
<b>Fall</b>		
GEN 601	Principles of Genetic Counseling	3
GEN 610	Genetic Counseling and the Community	2
GEN 615	Introduction to Oncology and Genetic Counseling	1
GEN 618	Psychosocial Seminar	1
GEN 625	Introduction to Research Methods and Genetic Counseling Literature	2
GEN 658	Molecular Diagnostics	2
GEN 614 or BIO 614	Prenatal Development: Embryology and Teratology or Prenatal Development: Embryology and Teratology	3
	<b>Credit Hours</b>	<b>14</b>
<b>Spring</b>		
GEN 602	Principles of Genetic Counseling II	3
GEN 618	Psychosocial Seminar	1
GEN 630	Medical/Clinical Genetics I	3
GEN 648	Capstone Preparation Seminar	1
GEN 668	Introduction to Clinical Encounters	2
Approved Elective (3 credits)		3
Research Elective (1-3) <sup>*</sup>		1-3
	<b>Credit Hours</b>	<b>14-16</b>
<b>Summer Session I</b>		
GEN 646	Advanced Clinical Genomics	2
GEN 649	Independent Research Study	1
	<b>Credit Hours</b>	<b>3</b>
<b>Summer Session II</b>		
GEN 698	Summer Clinical Rotations	2
	<b>Credit Hours</b>	<b>2</b>
<b>Year Two</b>		
<b>Fall</b>		
GEN 618	Psychosocial Seminar	1

GEN 701	Principles of Genetic Counseling III	3
GEN 718	Clinical Rotations I	4
GEN 720	Peer Supervision in Genetic Counseling	1
GEN 730	Medical/Clinical Genetics I	3
GEN 748	Research Project **	2
	<b>Credit Hours</b>	<b>14</b>
<b>Spring</b>		
GEN 618	Psychosocial Seminar	1
GEN 719	Clinical Rotations II	4
GEN 720	Peer Supervision in Genetic Counseling	1
GEN 749	Research Project **	3
CED 645	Mental Health Issues for Genetic Counselors	3
PHI 620	Ethics and Genetics	3
Optional Elective (0-2 credits)		0-2
	<b>Credit Hours</b>	<b>15</b>
	<b>Total Credit Hours</b>	<b>62-64</b>

\* Select a graduate level research course (1-3 credits) tailored to the student's capstone project or research interest with approval of the Program Director.

\*\* Comprises the Capstone Experience.

## Elective Courses

An elective relevant to the student's professional goals will be selected during the second semester of the program. Electives must be approved by the program director. With approval of the program director, students may select an additional (optional) elective in the fourth semester of the program.

## Clinical Internships

The clinical rotations are an integral part of the program and serve to provide students with opportunities to increase their general clinical knowledge, gain experience with genetic counseling for a variety of indications, and develop the necessary skills and competencies required for the practice of genetic counseling. Under the supervision of on-site, board-certified genetic counselors, students will progress from observation to participation in various aspects of clinical genetic services. Evaluation/feedback of the student's activities and progress will be an ongoing component of the clinical rotations. At the end of each rotation, a formal written evaluation will be conducted by the Clinical Supervisor and reviewed with the student. Students will be required to keep an accurate logbook of clinical cases according to guidelines provided by the Accreditation Council for Genetic Counseling. Students will complete a summer clinical rotation (GEN 698 Summer Clinical Rotations) during Summer Session II of the program. Summer clinical rotations will be available at the following sites: Carolinas Healthcare System, Duke University Medical Center, Fullerton Genetics Clinic, Cone Health System, University of North Carolina at Chapel Hill, Wake Forest School of Medicine, and Women's Health Specialties in Wilmington. Students may also make arrangements for a summer clinical rotation at another site with permission of the program director.

During the second year of the program, students will be assigned to four clinical rotations (GEN 718 Clinical Rotations I/GEN 719 Clinical Rotations II). Second year clinical rotations will be available at the following sites: Carolinas Healthcare System, Duke University Medical Center, Cone Health System, University of North Carolina at Chapel Hill, Wake Forest School of Medicine, and Fullerton Genetics Clinic.

## **Research Project**

The culminating experience for students in the genetic counseling program will be a formal research project (GEN 748 Research Project/GEN 749 Research Project). The research project may consist of a detailed case study and library synthesis, a clinical application, or an original clinical or laboratory research project. Students must select a project during the second semester of the program. All projects must be approved by the program director. Projects will be completed under the guidance of a research project committee, which will consist of a chair and two other members. Adjunct clinical faculty may serve on research project committees. Students will be required to submit a detailed written report of their project and to make an oral presentation about their project to their classmates and the faculty.

# Human Development and Family Studies

School of Health and Human Sciences

248 Stone Building  
336-334-5307  
<https://hhs.uncg.edu/hdf> (<https://hhs.uncg.edu/hdf/>)

**Dena Swanson**, *Department Chair*

**Heather Helms**, *Director of Graduate Studies*

**Catherine Scott-Little**, *Director of Birth Through Kindergarten Graduate Program*

**Anne Fletcher**, *Director of Undergraduate Studies*

**Karen LaParo**, *Director of Birth Through Kindergarten Undergraduate Program*

## About

The Department of Human Development and Family Studies offers an undergraduate program leading to the Bachelor of Science degree in Human Development and Family Studies. The programs include the study of the development of individuals and families throughout the life span, seeking to improve their well-being through the creation, use, and dissemination of knowledge. Programs of study in the department are multidisciplinary, requiring a synthesis of knowledge from the social and behavioral sciences and from the field of education. The goal of the Department of Human Development and Family Studies is to provide the best opportunity in North Carolina for undergraduates to prepare for careers in child, adolescent, adult, and family care services; in the care and education of children with/without disabilities from birth to kindergarten; teaching in community child care programs and in preschool and kindergarten classrooms in the public school; and in cooperative extension and state agencies.

The internship program within the department provides students with opportunities for professional experiences in the career field of their choice. The department also administers the Child Care Education Program at three sites with an enrollment of 80 children in all-day child care. All serve as laboratories for the study of children and their families.

The Department of Human Development and Family Studies faculty have a wide range of research interests and methodological approaches. The faculty's research interests cluster in five focal areas:

- Early childhood development, care, and education including social, emotional, and cognitive development in young children, child care, and early childhood education;
- Parent-child relationships;
- Adolescence;
- Close relationships, marriage, and divorce; and
- Human development and family diversity in sociocultural context.

Faculty use a variety of quantitative and qualitative approaches including tests of children's social and cognitive development, micro-analytic analyses of peer and parent-child interactions, surveys, interviews, feminist methodologies such as photovoice and interpretive inquiry, and the design and evaluation of educational and intervention programs for children, family members, and educational personnel. Within these general areas of concentration and varied methods of inquiry, students focus upon more specific topics of study.

Graduate course work in human development and family studies focuses on individuals and families as they relate to friendship and kinship networks, the workplace, and economic, human service, health, and formal and informal educational systems. Graduate students have considerable flexibility in tailoring their studies to special interests and career goals. The department also offers several graduate programs jointly with the Department of Specialized Education Services: a M.Ed. in Birth-Kindergarten Interdisciplinary Studies in Education and Development; a Post-Baccalaureate Certificate in Birth-Kindergarten Initial Licensure; a Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning; and an Add-On Licensure in Birth through Kindergarten. For information about these programs, see the Birth Through Kindergarten section under Interdisciplinary Programs (p. 770).

### Professor

Stephanie Irby Coard<sup>G</sup>

Mark Allen Fine<sup>G</sup>

Anne C. Fletcher<sup>G</sup>

Heather Mae Helms<sup>G</sup>

Linda Lott Hestenes<sup>G</sup>

Andrea G. Hunter<sup>G</sup>

Karen M. La Paro<sup>G</sup>

Esther Mae Leerkes, *Professor and Jefferson Pilot Distinguished Professor<sup>G</sup>*

Catherine Scott-Little<sup>G</sup>

Sudha Shreenivas<sup>G</sup>

Andrew J. Supple<sup>G</sup>

Dena Phillips Swanson<sup>G</sup>

### Associate Professor

Jennifer L Coffman<sup>G</sup>

Danielle A. Crosby<sup>G</sup>

### Academic Professional Associate Professor

Kathryn Aldridge

Harriette Bailey<sup>G</sup>

Joi W. Bulls<sup>G</sup>

### Assistant Professor

Rachel Jepkemboi Boit<sup>G</sup>

Bridget L. Cheeks<sup>G</sup>

Kierra Marie Pettit Sattler<sup>G</sup>

Jocelyn R. Smith Lee<sup>G</sup>

### Academic Professional Assistant Professor

Elisa Avellar Mercon Vargas

Jennifer Lynn Jones

Christie B Tongier

### Visiting Assistant Professor

Jill Veronica Bradley

### Lecturer

Brittany Nicole Alligood

Lissy Gloeckler

Joanna Kathleen Lower

Ellen J Wenner

Neisha Nicole Williams

### G Graduate-level faculty

- Early Childhood Development and Education, B.S. (p. 686)
- Human Development and Family Studies, B.S. (p. 688)

- Human Development and Family Studies Undergraduate Minor (p. 690)
- Human Development and Family Studies, M.S. (p. 690)
- Human Development and Family Studies, Ph.D. (p. 690)
- Human Development and Family Studies, Doctoral Minor (p. 692)

These interdisciplinary programs are jointly offered by the Department of Human Development and Family Studies and the Department of Specialized Education Services:

- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 770)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 771)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 771)
- Add-On Licensure in Birth through Kindergarten (p. 772)

## Early Childhood Development and Education, B.S.

The Early Childhood Development and Education, B.S. major is available in a **traditional as well as an online format**.

### Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.

### Degree Program Requirements

Code	Title	Credit Hours
<b>University Requirements (p. 849)</b>		
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

### Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Birth Through Kindergarten Teacher Licensure Concentration
- Early Care and Education Concentration

### Electives

Electives sufficient to complete 120 total credit hours required for degree.

#### Birth Through Kindergarten Teacher Licensure Concentration

Code	Title	Credit Hours
<b>Required</b>		
HDF 111	Human Development Across the Life Span	46
HDF 112	Families and Close Relationships	
HDF 202	Infant and Child Development	
HDF 250	Introduction to Birth through Kindergarten Education and Programs	

HDF 315	Assessment and Planning for Inclusive B-K Programs
HDF 330	Family Diversity
HDF 341	Social Emotional Competence in Inclusive Settings
HDF 390	Families and Children in Global Perspective
HDF 420	Birth to Kindergarten Teaching Practicum I
HDF 425	Infants and Toddlers: Development, Learning, and Curriculum
HDF 435	Preschool: Development, Learning, and Curriculum
HDF 436	Kindergarten: Development, Learning, and Curriculum
HDF 440	Birth to Kindergarten Teaching Practicum II
HDF 468	Diversity in Inclusive Early Care and Education
HDF 470	Leadership in Early Education

Code	Title	Credit Hours
<b>Related Area Requirements</b>		
MAT 112	Contemporary Topics in Mathematics	15-16
NTR 213	Introductory Nutrition	
SES 460	Home-School Partnerships for Students with Exceptional Needs	
SWK 484	Social Services for Children	
<i>Select one option of the following:</i>		
Option A		
BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory	
Option B		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
Option C		
CHE 101 & CHE 110	Introductory Chemistry and Introductory Chemistry Laboratory	
Option D		
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory	
or GES 108	Our Dynamic Planet	
Option E		
ATY 153 & 153L	The Human Species and The Human Species: Laboratory	

Code	Title	Credit Hours
<b>Teacher Education Requirements</b>		
	To be admitted to Teacher Education, students must achieve a 3.0 overall GPA. Students are also required to be certified in First Aid and CPR prior to student teaching.	27
<i>Student Teaching</i>		
HDF 460	Supervised Student Teaching	
HDF 461	Student Teaching Seminar	
<i>Additional Courses</i>		
KIN 342	Teaching Motor Skills to Preschool Children	
NUR 345	Basic Health Management of Children	
SES 242	Introduction to Exceptional Children: Early Years	

SPA 121	Basic Spanish for Teachers		or GES 108 Our Dynamic Planet
TED 416	Emergent Literacy and Literature		Option E
<b>Early Care and Education Concentration Requirements</b>			
<b>Select 6 credits from one of the following three blocks:</b>			
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>	<b>6</b>
<b>Required</b>			
HDF 111	Human Development Across the Life Span	52	<i>Administration and/or Management</i>
HDF 112	Families and Close Relationships		BUS 240 Introduction to the Entrepreneurial Experience
HDF 202	Infant and Child Development		BUS 328 Organizational Leadership
HDF 221	Issues in Parenting		BUS 339 Entrepreneurial Leadership
HDF 250	Introduction to Birth through Kindergarten Education and Programs		CST 308 Organizational Communication
HDF 315	Assessment and Planning for Inclusive B-K Programs		CST 341 Communication and Workplace Relationships
HDF 341	Social Emotional Competence in Inclusive Settings		ENT 200 Introduction to Entrepreneurial Finance
HDF 390 or HDF 330	Families and Children in Global Perspective Family Diversity		ENT 240 Introduction to the Entrepreneurial Experience
HDF 420	Birth to Kindergarten Teaching Practicum I		FIN 200 Introduction to Entrepreneurial Finance
HDF 425	Infants and Toddlers: Development, Learning, and Curriculum		MGT 300 Management of Organizations
HDF 435	Preschool: Development, Learning, and Curriculum		MGT 354 Diversity and Inclusion in Organizations
HDF 440	Birth to Kindergarten Teaching Practicum II		<i>World Cultures *</i>
HDF 450	Professional Experience in Early Childhood *		ATY 100 Modern Cultural Diversity
HDF 468	Diversity in Inclusive Early Care and Education		ATY 113 Engaging Culture
HDF 470	Leadership in Early Education		ATY 230 Cultures of Native North America
HDF 482	Administration of Dependent Care Programs		ATY 235 Cultures of Africa
* HDF 450 may apply when taken for 6 credits.			
<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>	
<b>Related Area Requirements</b>			
NTR 213	Introductory Nutrition	21-22	ATY 333 Latin American Societies and Cultures
NUR 345	Basic Health Management of Children		ENT 307 Global Health
SES 242	Introduction to Exceptional Children: Early Years		GES 303 World Population Problems
SES 460	Home-School Partnerships for Students with Exceptional Needs		GES 315 The Geography of World Affairs
SWK 484	Social Services for Children		HDF 390 Families and Children in Global Perspective
TED 416	Emergent Literacy and Literature		HEA 307 Global Health
<i>Select one option of the following:</i>			
Option A			
BIO 105 & 105L	Major Concepts of Biology and Major Concepts of Biology Laboratory		HIS 217 The World, 1900-1945
Option B			
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory		HIS 218 The World since 1945
Option C			
CHE 101 & CHE 110	Introductory Chemistry and Introductory Chemistry Laboratory		IGS 200 Introduction to International and Global Studies
Option D			
GES 103 & 103L	Introduction to Earth Science and Earth Science Laboratory		REL 109 Religion and Popular Culture
			PCS 305 Foundations of Peace and Conflict Studies
			PCS 309 Conflict and Culture
			PCS 415 Global Peacebuilding
			PSC 290 The Politics of the Non-Western World
			REL 100 Introduction to World Religions
			SOC 202 Social Problems in Global Context
			SOC 371 Race, Ethnicity, and Migration in a Global Context
			SPA 121 Basic Spanish for Teachers
	<i>Healthy Lifestyles</i>		
			CED 274 Stress Management
			CED 310 Helping Skills
			CST 200 Communication and Community
			CST 207 Relational Communication
			CST 210 Communicating Ethically
			CST 337 Intercultural Communication
			CST 341 Communication and Workplace Relationships
			CST 344 Conflict Communication
			CST 415 Family Communication
			HDF 401 Special Problems in Human Development and Family Studies
			HEA 201 Personal Health

HEA 260	Human Sexuality
HEA 310	Mental Health and Well-Being
HEA 334	Community Health
HEA 447	Income, Social Status, and Health
HEA 471	Immigrant and Refugee Health
KIN 220	Lifetime Wellness
KIN 330	Critical Analyses for a Physically Active Society
KIN 342	Teaching Motor Skills to Preschool Children
PSY 275	Introduction to Clinical Psychology
PSY 341	Adult Psychopathology
PSY 361	Theories of Personality
PSY 390	Health Psychology and Culture
REL 112	Spirituality, Health, and Wellness
WGS 280	Women's Health and Bodies

\* Study Abroad coursework for up to 6 credits may also apply.

## Disciplinary Honors in Human Development and Family Studies

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Human Development and Family Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Sudha Shreenivas at [s\\_shreen@uncg.edu](mailto:s_shreen@uncg.edu) for further information and guidance about Honors in Human Development and Family Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Human Development and Family Studies, B.S.

The Human Development and Family Studies, B.S. major is available in a traditional as well as an online format.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.

## Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		
HDF 111	Human Development Across the Life Span	42
HDF 112	Families and Close Relationships	
HDF 202	Infant and Child Development	
HDF 203	Adolescent Development: From Puberty to Young Adulthood	
HDF 204	Adult Development	
HDF 221	Issues in Parenting	
HDF 375	Research Methods in Human Development and Family Studies	
HDF 390	Families and Children in Global Perspective	
HDF 464	Advanced Family and Developmental Studies Seminar	
HDF 377	Professional Development in HDFS	
HDF 499	Supervised Professional Experience *	
<i>Select one of the following:</i>		
HDF 330	Family Diversity	
HDF 407	Issues Affecting Women and Families	
<i>Select one of the following:</i>		
HDF 445	Current Family Theory and Research	
HDF 455	Current Developmental Theory and Research	

\* HDF 499 is taken for 6 credits.

Code	Title	Credit Hours
<b>Related Area Requirements</b>		
NTR 213	Introductory Nutrition	12
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	
STA 108	Elementary Introduction to Probability and Statistics	
<b>Select eight courses of the following: *</b>		
<i>Group A **</i>		
ADS 201	Introduction to African American Studies	24
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives	
ADS 260	Understanding Race	
ADS 325	Black Women in the U.S.	
ATY 100	Modern Cultural Diversity	
ATY 113	Engaging Culture	
ATY 230	Cultures of Native North America	
ATY 231	Race and Human Diversity	

ATY 235	Cultures of Africa	CST 344	Conflict Communication
ATY 312	The Anthropology of Children	CST 350	Small Group and Team Communication
ATY 333	Latin American Societies and Cultures	CST 415	Family Communication
ATY 385	Language and Culture	CST 417	Communication and Friendship
BLS 385	American Motherhood	GRO 201	Introduction to Gerontology: Thinking about Aging
BLS 386	Women, War, and Terror	GRO 444	Baby Boomers
CST 421	African American Culture and Identity	HEA 201	Personal Health
CTR 214	Inclusive Recreation	HEA 260	Human Sexuality
ECO 100	Economics of a Global Sustainable Society	HEA 310	Mental Health and Well-Being
ENT 307	Global Health	HEA 331	Alcohol, Tobacco, and Other Drugs
HEA 307	Global Health	HEA 450	Current Health Problems
HEA 350	Race, Ethnicity, and Health	HEA 470	Adolescent Health
HEA 433	Gender and Health or NUR 330 Global Perspectives on the Health of Women	HDF 201	Development of School-Age Children
HEA 447	Income, Social Status, and Health	HDF 401	Special Problems in Human Development and Family Studies <sup>2</sup>
HEA 471	Immigrant and Refugee Health	PSC 210	Introduction to Health Policies
IGS 200	Introduction to International and Global Studies	PSY 240	Principles of Learning
NUR 390	Culture and Health Care	PSY 260	Psychological Perspectives on Social Psychology
PCS 479	Gender and Peacebuilding	PSY 275	Introduction to Clinical Psychology
PSC 336	Women and the Law	PSY 280	Cognitive Psychology
PSY 346	The Psychology of Gender	PSY 341	Adult Psychopathology
PSY 370	Ethnicity, Development, and Psychopathology	PSY 361	Theories of Personality
PSY 390	Health Psychology and Culture	PSY 375	Psychology of Aging
REL 112	Spirituality, Health, and Wellness	PSY 385	IQ and Intelligence
REL 234	Religion and Race in the Americas	SES 240	Communication Development in Children
SES 200	People with Disabilities in American Society	SES 242	Introduction to Exceptional Children: Early Years
SES 460	Home-School Partnerships for Students with Exceptional Needs	SOC 222	Sociology of Deviant Behavior
SOC 225	Race, Class, and Gender: Social Inequalities	SOC 323	Deviance and Social Control
SOC 327	Race and Ethnic Relations	SOC 338	Sex and Society
SOC 329	Sociological Perspectives on Gender	SOC 420	Family Violence
SOC 364	African American Social Thought	SOC 425	Contemporary Gangs in America
SOC 371	Race, Ethnicity, and Migration in a Global Context	SWK 454	Mental Health Social Work
SOC 426	Comparative Minority Relations	SWK 470	Social Services for the Aging
SWK 427	Human Services for Immigrants and Refugees	SWK 484	Social Services for Children
SWK 479	Gender and Peacebuilding		
WGS 150	Gender, Race, and Sexuality		
WGS 250	An Introduction to Women's, Gender and Sexuality Studies		
WGS 270	Introduction to LGBTQI Studies		
WGS 280	Women's Health and Bodies		
WGS 329	Sociological Perspectives on Gender		
WGS 419	Gender, Crime, and Deviance		
<i>Group B</i> <sup>1</sup>			
CED 310	Helping Skills		
CED 274	Stress Management		
CED 392	Love, Sex, and Relationships: Skills for Building Satisfying, Healthy Relationships		
CST 200	Communication and Community		
CST 207	Relational Communication		
CST 210	Communicating Ethically		
CST 337	Intercultural Communication		
CST 341	Communication and Workplace Relationships		

\* Four must be from Group A—International and Family and/or Developmental-Focused or Diversity Focused Courses. The other four may be from Group A, Group B, or a mix of the two.

\*\* Study Abroad course work for 3 credits or 6 credits may also apply.

<sup>1</sup> Foreign Language for three 3 credits or 6 credits may also apply.

<sup>2</sup> Course may apply when taken for three 3 or 6 credits.

## Electives

Electives should be sufficient to complete the 120 credit hours required for the degree. No more than one third may be Health and Human Sciences (CSD, CTR, HDF, HEA, KIN, NTR, or SWK) courses.

## Disciplinary Honors in Human Development and Family Studies

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	
<b>6 credits of Honors course work in the major</b>		<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>		<b>3</b>

**Recognition**

Receive a Certificate of Disciplinary Honors in Human Development and Family Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

Contact Sudha Shreenivas at [s\\_shreen@uncg.edu](mailto:s_shreen@uncg.edu) for further information and guidance about Honors in Human Development and Family Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Human Development and Family Studies Undergraduate Minor

### Program Requirements

- Minimum of 18 credit hours (minimum of 12 credits in HDF)

Completion of 18 credits in HDF courses with a C or better as provided below.

Code	Title	Credit Hours
<b>Required</b>		
HDF 111	Human Development Across the Life Span	
HDF 112	Families and Close Relationships	
HDF 221	Issues in Parenting	
HDF 390	Families and Children in Global Perspective	
<i>Select 6 credits of the following:</i>		
HDF 201	Development of School-Age Children	
or HDF 202	Infant and Child Development	
HDF 203	Adolescent Development: From Puberty to Young Adulthood	
HDF 204	Adult Development	

## Human Development and Family Studies, M.S.

The M.S. in Human Development and Family Studies requires a minimum of 39 credit hours (including thesis) and prepares graduates to conduct research or to embark on a doctoral program of study.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the materials required by The Graduate School, applicants must submit:

- A 1-3 page professional statement to explain their:
  - Reasons for pursuing graduate study in HDFS,
  - Previous experience and training in HDFS or related fields,
  - Professional goals,

- Primary areas of research interest, and
- Faculty members with whom they are most interested in working.
- An academic writing sample (e.g. senior year paper, literature review paper, honor's thesis, master's thesis, or a manuscript published or accepted/submitted for publication).

Based on the review of submitted materials, select applicants are invited to visit campus for an interview day, after which final admissions decisions are made. The HDFS Graduate Committee considers the compatibility of the student's interest areas with those of the faculty and with curriculum emphasis, as well as the student's availability for full-time graduate study.

## Degree Program Requirements

**Required:** 39 credit hours

Code	Title	Credit Hours
<b>Core Content (18 credits)</b>		
HDF 640	Professional Seminar	1
HDF 651	Contemporary Research in Human Development	3
HDF 652	Theories of Human Development and Family Studies	3
HDF 653	Contemporary Research in Family Studies	3
HDF 656	Race, Class, and Culture	3
HDF 661	Professional Seminar II	2
HDF 745	College Teaching in Human Development and Family Studies	3
<b>Area of Specialization (6 credits)</b>		
Select 6 credits *		6
<b>Statistics and Methodology (9 credits)</b>		
HHS 625	Research Methods in the Health and Human Sciences	3
ERM 681	Design and Analysis of Educational Experiments	3
ERM 682	Multivariate Analysis	3
<b>Research (Capstone Experience) (6 credits)</b>		
HDF 699	Thesis	6
<b>Oral Examination</b>		
<b>Total Credit Hours</b>		<b>39</b>

\* Area of specialization courses are selected jointly by the student and the faculty advisory committee. All 6 credits must be fulfilled through content courses taken within the Department of Human Development and Family Studies. Research methods and statistics courses cannot count as area of specialization courses for the M.S. degree.

## Human Development and Family Studies, Ph.D.

The Ph.D. in Human Development and Family Studies requires 78-84 credit hours for students entering with a bachelor's degree or 45-51 credit hours for students entering with a master's degree. Entering doctoral students who have completed a master's degree at another institution or department must fulfill (or have comparable substitutions for) all of the requirements of the HDFS M.S. degree program; assessment of prerequisite courses occurs at the time of admission to the program.

These requirements must be fulfilled in addition to completing the 45-51 credits required for the Ph.D.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to a review of the admission materials required by The Graduate School, applicants must submit:

- A 1-3 page professional statement to explain their:
  - Reasons for pursuing graduate study in HDFS,
  - Previous experience and training in HDFS or related fields,
  - Professional goals,
  - Primary areas of research interest, and
  - Faculty members with whom they are most interested in working.
- An academic writing sample (e.g. senior year paper, literature review paper, honor's thesis, master's thesis, or a manuscript published or accepted/submitted for publication).

Based on the review of submitted materials, select applicants are invited to visit campus for an interview day, after which final admissions decisions are made. The HDFS Graduate Committee considers the compatibility of the student's interest areas with those of the faculty and with curriculum emphasis, as well as the student's availability for full-time graduate study.

## Degree Program Requirements

**Required:** 78-84 credit hours (direct entry with a bachelor's degree); 45-51 credit hours (entry with prior master's degree with a thesis)

### Students Entering with a Bachelor's Degree

Code	Title	Credit Hours	
<b>Core Required Courses (12 credits)</b>			
HDF 651	Contemporary Research in Human Development	3	
HDF 652	Theories of Human Development and Family Studies	3	
HDF 653	Contemporary Research in Family Studies	3	
HDF 656	Race, Class, and Culture	3	
<b>Foundational Methods and Statistics (9 credits)</b>			
HHS 625	Research Methods in the Health and Human Sciences	3	
ERM 781	Design and Analysis of Educational Experiments	3	
ERM 782	Multivariate Analysis	3	
<b>Professional Preparation and Development (6 credits)</b>			
HDF 640	Professional Seminar	1	
HDF 661	Professional Seminar II	2	
HDF 745	College Teaching in Human Development and Family Studies	3	
<b>Thesis (6 credits)</b>			
HDF 699	Thesis	6	
<b>Area of Specialization (12 credits)<sup>1</sup></b>			
<i>Development Area</i>			
Select one course (3 credits) from the following:			
HDF 703	Contemporary Topics in Human Development and Family Studies		
HDF 713	Social and Emotional Development		
<b>Family Studies Area</b>			
Select one course (3 credits) from the following:			
HDF 703	Contemporary Topics in Human Development and Family Studies		
HDF 721	Seminar in Parent-Child Relations		
HDF 722	Families in Middle and Later Life		
HDF 723	Divorce, Remarriage, Cohabitation		
HDF 726	Close Relationships in Adulthood		
<b>Sociocultural Context Area</b>			
Select one course (3 credits) from the following:			
HDF 703	Contemporary Topics in Human Development and Family Studies		
HDF 730	Cross-Cultural Perspectives on Child Development		
<b>Structured Electives</b>			
Select one course (3 credits) of structured electives from 600- or 700-level HDF content courses <sup>2</sup>			
<b>Statistics and Methodology (12 credits)</b>			
HDF 756	Advanced Research Design in Human Development and Family Studies	3	
Select one course (3 credits) in quantitative statistics or methodology			
Select one course (3 credits) in qualitative statistics or methodology			
Select one additional course (3 credits) in statistics or methodology			
<b>Professional Development/Teaching Practicum (9 credits)<sup>3</sup></b>			
HDF 745	College Teaching in Human Development and Family Studies	3	
HDF 750	Professional Seminar III	3	
HDF 765	College Teaching Practicum in Human Development and Family Studies II	3	
<b>Dissertation (12-18 credits)</b>			
HDF 799	Dissertation	12-18	
<b>Total Credit Hours</b>			
<b>78-84</b>			

<sup>1</sup> Specific offerings of HDF 703 will be eligible for inclusion in target areas specified by the department.

<sup>2</sup> Students may select structured electives from 600-level HDF content courses with prior approval.

<sup>3</sup> All doctoral students will complete a two-semester teaching practicum supervised by a graduate faculty mentor. The practicum requires the student to serve as an assistant, then as a co-instructor of a course (or courses) at the 100, 200, 300, or 400 level.

### Students Entering with a Master's Degree (with Thesis)

Entering doctoral students who have completed a master's degree at another institution or department must fulfill (or have comparable substitutions for) all of the requirements of the direct entry Ph.D. program. Assessment of prerequisite courses occurs at the time of admission to the program. These requirements must be fulfilled in addition to completing the course work and dissertation requirements shown below.

Code	Title	Credit Hours
<b>Area of Specialization (12 credits)<sup>1</sup></b>		
<i>Development Area</i>		
Select one course (3 credits) from the following:		3
HDF 703	Contemporary Topics in Human Development and Family Studies	
HDF 713	Social and Emotional Development	
HDF 714	Cognitive Development in Young Children	
HDF 715	Infant Development	
HDF 716	Seminar in Adolescence	
HDF 725	Psychobiology of Human Development and Family Processes	
<i>Family Studies Area</i>		
Select one course (3 credits) from the following:		3
HDF 703	Contemporary Topics in Human Development and Family Studies	
HDF 721	Seminar in Parent-Child Relations	
HDF 722	Families in Middle and Later Life	
HDF 723	Divorce, Remarriage, Cohabitation	
HDF 726	Close Relationships in Adulthood	
<i>Sociocultural Context Area</i>		
Select one course (3 credits) from the following:		3
HDF 703	Contemporary Topics in Human Development and Family Studies	
HDF 730	Cross-Cultural Perspectives on Child Development	
<i>Structured Electives</i>		
Select one course (3) credits of structured electives from 600- or 700-level HDF content courses <sup>2</sup>		3
<b>Professional Development/Teaching Practicum (9 credits)<sup>3</sup></b>		
HDF 745	College Teaching in Human Development and Family Studies	3
HDF 750	Professional Seminar III	3
HDF 765	College Teaching Practicum in Human Development and Family Studies II	3
<b>Statistics and Methodology (12 credits)</b>		
HDF 756	Advanced Research Design in Human Development and Family Studies	3
Select one course (3 credits) in quantitative statistics or methodology		3
Select one course (3 credits) in qualitative statistics or methodology		3
Select one course (3 credits) in statistics or methodology		3
<b>Dissertation (12-18 credits)</b>		
HDF 799	Dissertation	12-18
<b>Total Credit Hours</b>		<b>45-51</b>

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

# Human Development and Family Studies, Doctoral Minor

## Minor Requirements

Required: 12 credit hours

Code	Title	Credit Hours
<b>Core (3 credits)</b>		
Select one course (3 credits) from the following:		
HDF 651	Contemporary Research in Human Development	
HDF 652	Theories of Human Development and Family Studies	
HDF 653	Contemporary Research in Family Studies	
<b>Electives (9 credits)</b>		
Select three courses (9 credits) from the following:		
HDF 656	Race, Class, and Culture	
HDF 703	Contemporary Topics in Human Development and Family Studies	
HDF 713	Social and Emotional Development	
HDF 714	Cognitive Development in Young Children	
HDF 715	Infant Development	
HDF 716	Seminar in Adolescence	
HDF 721	Seminar in Parent-Child Relations	
HDF 722	Families in Middle and Later Life	
HDF 723	Divorce, Remarriage, Cohabitation	
HDF 725	Psychobiology of Human Development and Family Processes	
HDF 726	Close Relationships in Adulthood	
HDF 730	Cross-Cultural Perspectives on Child Development	
HDF 740	Social Justice Research with Diverse Families	
HDF 755	Advanced Theory in HDFS	
HDF 756	Advanced Research Design in Human Development and Family Studies	

**Total Credit Hours**

12

<sup>1</sup> Specific offerings of HDF 703 will be eligible for inclusion in target areas specified by the department.

<sup>2</sup> Students may select structured electives from 600-level HDF content courses with prior approval.

<sup>3</sup> All doctoral students will complete a two-semester teaching practicum supervised by a graduate faculty mentor. The practicum requires the student to serve as an assistant, then as a co-instructor, of a course (or courses) at the 100, 200, 300, or 400 level.

# Human Health Sciences, B.S.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- By the time students approach/reach 60 credits, they will be required to select a concentration:
  - Allied Health Studies
  - Health Professions

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Core Requirements</b>		<b>39</b>
HHS 105	Introduction to Human Health Sciences	
HHS 220	HHS Careers: Introduction to Observation	
HHS 240	Introduction to Interprofessional Education and Practice	
HHS 340	Seminar in Interprofessional Education and Practice	
HHS 360	Healthcare Policy	
HHS 370	Culturally Relevant Healthcare	
HHS 460	Project Management and Leadership in Healthcare	
HHS 490	Human Health Sciences Professional and Career Development	
HHS 495	Human Health Sciences Capstone	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
KIN 291 & 291L or BIO 271 & 271L	Clinical Human Anatomy and Clinical Human Anatomy Laboratory Human Anatomy and Human Anatomy Laboratory	
KIN 292 & 292L or BIO 277 & 277L	Clinical Human Physiology and Clinical Human Physiology Laboratory Human Physiology and Human Physiology Laboratory	
<b>HHS Discipline Requirements</b>		<b>27</b>
CSD 250	Concepts in Communication Sciences	
CTR 231	Introduction to Recreational Therapy	
GRO 201	Introduction to Gerontology: Thinking about Aging	
HDF 111	Human Development Across the Life Span	
or HDF 112	Families and Close Relationships	
or HDF 202	Infant and Child Development	
or HDF 203	Adolescent Development: From Puberty to Young Adulthood	
or HDF 204	Adult Development	

KIN 220	Lifetime Wellness
NTR 213	Introductory Nutrition
PCS 308	Working through Interpersonal Conflicts
HEA 113	Medical Terminology for Public Health Professionals
or HEA 210	Public Health and Film
or HEA 260	Human Sexuality
or HEA 307	Global Health
SWK 215	Introduction to Social Work

## Concentration

Select one of the concentrations as detailed following the major requirements.

- Allied Health Studies
- Health Professions

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Allied Health Studies Concentration Requirements

**Students must select and complete all requirements in at least one minor area of study based on career interests to complete their electives.**

### Health Professions Concentration Requirements

- Please consult with your advisor.

Code	Title	Credit Hours
<b>Select a minimum of 18 credits from the list below:</b>		
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
BIO 355	Cell Biology	
BIO 392	Genetics	
CHE 103	General Descriptive Chemistry I	
CHE 104	General Descriptive Chemistry II	
CHE 110	Introductory Chemistry Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 342	Inorganic Chemistry I	
CHE 351	Organic Chemistry I	
CHE 352 & CHE 354	Organic Chemistry II and Organic Chemistry Laboratory	
CHE 456	Biochemistry I	
CSD 150	Communication Disabilities in Film	
CSD 334	Introduction to Audiology	
CSD 487	Intro Adult Language Disorders	
CSD 488	Neurology of Spch, Lang, Hear	
KIN 250	Introduction to Kinesiology	
KIN 353	Injuries and Illnesses in Physical Activity	
KIN 375	Physiology of Sport and Physical Activity	
KIN 376	Biomechanics of Sport and Physical Activity	
MAT 115	College Algebra	

MAT 183	Mathematics for the Life Sciences
NUR 390	Culture and Health Care
PHY 211 & 211L	General Physics I and General Physics Lab I
PHY 212 & 212L	General Physics II and General Physics Lab II
PSY 121	General Psychology
PSY 250	Developmental Psychology
PSY 341	Adult Psychopathology
SOC 101	Introduction to Sociology
SOC 202	Social Problems in Global Context
STA 108	Elementary Introduction to Probability and Statistics

# Kinesiology

*School of Health and Human Sciences*

250 Coleman Building  
336-334-5347

<http://kin.uncg.edu>

**Jenny Etnier**, *Department Chair*

**Randy Schmitz**, *Associate Department Chair*

**Adam Berg**, *Director of Undergraduate Studies*

**Aaron Terranova**, *Graduate Program Director, M.S.A.T.*

**DeAnne Brooks**, *Graduate Program Director, M.S. and Ph.D.*

**Pam Brown**, *Graduate Program Director, Ed.D.*

**Jen Farrell**, *Graduate Program Director, M.S., Applied Sport Psychology*

The mission of the Department of Kinesiology is to prepare professionals at both the undergraduate and graduate levels through excellence in teaching, research, and service so that they may encourage enhanced performance and quality of life of all citizens of the Piedmont Triad and beyond through active lifestyles and lifetime physical activity.

## Transfer Students

Students who enter the UNC Greensboro Kinesiology major as transfers in the junior year should expect to take at least an extra semester of work unless they enter with a strong background in science (KIN 291, KIN 292) and physical activity courses. For those students seeking Teacher Licensure who are also required to complete a second academic concentration, the time commitment may be further extended.

### Professor

Pam Kocher Brown<sup>G</sup>

Ang Chen<sup>G</sup>

Ben Dyson<sup>G</sup>

Jennifer Louise Etnier, *Professor and Julia Taylor Morton Distinguished Professor*<sup>G</sup>

Diane L. Gill<sup>G</sup>

Laurie Wideman Gold, *Professor and Safrit-Ennis Distinguished Professor*<sup>G</sup>

Allan H Goldfarb<sup>G</sup>

Carl G Mattacola<sup>G</sup>

Scott Edwin Ross<sup>G</sup>

Randy Schmitz<sup>G</sup>

Sandra J. Shultz<sup>G</sup>

### Academic Professional Professor

Aaron B. Terranova<sup>G</sup>

### Associate Professor

Paul G Davis

Michael Anthony Hemphill<sup>G</sup>

Jaclyn Parente Maher<sup>G</sup>

Louisa Dominique Raisbeck<sup>G</sup>

Erin Jane Reifsteck<sup>G</sup>

### Academic Professional Associate Professor

Adam P Berg<sup>G</sup>

Anne O'Brien Brady<sup>G</sup>

DeAnne Davis Brooks<sup>G</sup>

Alan Chu

Greg Daniels<sup>G</sup>

Donna Duffy<sup>G</sup>

Jen Irene Farrell<sup>G</sup>

Judy A. Fowler

Jeff Daniel Labban<sup>G</sup>

Karen 'Pea' Poole

### Assistant Professor

Eric Scott Drollette<sup>G</sup>

Jessica Nicole McNeil<sup>G</sup>

Derek C Monroe<sup>G</sup>

Traci L Parry<sup>G</sup>

### Academic Professional Assistant Professor

Omari Lee Dyson<sup>G</sup>

Lauren Danielle Griffin

Elizabeth Anne Hittinger

### Lecturer

Robert E Owens

### G Graduate-level faculty

- Kinesiology, B.S. (p. 695)
- Physical Education, Teacher Education (K-12), B.S. (p. 697)
- Community Youth Sport Development Undergraduate Minor (p. 699)
- Sport Coaching Undergraduate Minor (p. 700)
- Athletic Training, M.S.A.T. (p. 700)
- Kinesiology, M.S. (p. 701)
- Kinesiology, M.S./Ph.D. (p. 706)
- Kinesiology, Ed.D. (p. 707)
- Kinesiology, Ph.D. (p. 708)

## Kinesiology, B.S.

The Nationally-ranked Kinesiology program opens the door to careers in fitness, physical therapy, athletic training, medicine, and much more. Students learn from faculty who are renowned for their teaching and for their research. Faculty are consistently highly funded through various grants and initiatives to address the needs of the community and are passionate about providing a world-class learning environment. Additionally, completing this major is a first step toward providing students with the necessary academic and clinical experiences and skills for future study in allied health fields. Examples include but are not limited to, athletic training, physical therapy, fitness influencers, occupational therapy, physician's assistant, sports psychologists, biomechanists, strength and conditioning coaches, podiatry, and medicine.

## Student Learning Goals

1. Students completing this program will demonstrate a basic knowledge of anatomy.
2. Students completing this program will demonstrate a basic knowledge of biomechanics.
3. Students completing this program will demonstrate a basic knowledge of exercise physiology.
4. Students completing this program will demonstrate a basic knowledge of the sociohistorical foundations of Kinesiology.
5. Students completing this program will demonstrate a basic knowledge of human development over the lifespan

6. Students completing this program will apply the basic scientific theories and principles that serve as a foundation for the allied health and medical professions.
7. Students completing this program will demonstrate a basic knowledge of the structure and function of the human body and the stresses associated with movement, exercise, and the demands of various physical activities.
8. Students completing this program will demonstrate a basic knowledge of the prevention, care, and treatment of injuries and illnesses that commonly occur in physical activity.

## Registration Restriction

Students will not be allowed to enroll in the following courses and any course at the 400 level or above without entrance into the KINE major: KIN 353, KIN 375, KIN 376, KIN 386.

## Minimum Grade

To qualify for graduation in the Kinesiology major, all majors must achieve a minimum grade of C (2.0) in each required course with a KIN prefix (including activity courses, internships, and other non-core KIN courses) and maintain a minimum GPA of 2.50 in the major.

## Minimum Semester Hours

To graduate, all majors must obtain at least 36 credits in courses at the 300 level or above.

## Re-entry

Students in this major who do not graduate within seven years or who leave school and later re-enter are held for the current program requirements at the time of crossing from the seventh to the eighth year, or are held to the current program requirements during the year of re-entry.

## Appeals

Appeals of any of these requirements must be filed with the appropriate departmental committee within one academic year.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- All KIN courses must be completed with a grade of C (2.0) or higher.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>36</b>
KIN 220	Lifetime Wellness	
KIN 250	Introduction to Kinesiology	
KIN 265	Strength Training and/or Conditioning	
KIN 330	Critical Analyses for a Physically Active Society	

KIN 353	Injuries and Illnesses in Physical Activity
KIN 370	Assessment and Evaluation in Kinesiology
KIN 375	Physiology of Sport and Physical Activity
KIN 376	Biomechanics of Sport and Physical Activity
KIN 379	Instructional Methods of Physical Activity
KIN 386	Motor Control and Learning
KIN 388	Psychology of Physical Activity
<b>Activity Courses *</b>	
<i>Select four of the following courses:</i>	
KIN 101	Beginning Volleyball
KIN 104	Beginning Basketball
KIN 106	Beginning Soccer
KIN 110	Ultimate
KIN 115	Disc Golf
KIN 130	Weight Training
KIN 131	Fitness Walking and Jogging
KIN 135	Fitness Running
KIN 140	Flag Football
KIN 150	Swimming for Non-Swimmers
KIN 151	Beginning Swimming
KIN 171	Beginning Badminton
KIN 175	Beginning Tennis
KIN 180	Rock Climbing
KIN 201	Intermediate Volleyball
KIN 203	Fitness Swim
KIN 204	Intermediate Basketball
KIN 206	Intermediate Soccer
KIN 214	Sports Performance: Racquet Sports
KIN 252	Low Intermediate Swimming
KIN 263 & 263L	Basic SCUBA and Skin and SCUBA Diving Lab
KIN 264	Advanced SCUBA
KIN 271	Intermediate Badminton
KIN 272	Tae Kwon Do
<b>Related Area Requirements</b>	
<i>Biology</i>	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
<i>Anatomy and Physiology **</i>	
KIN 291 & 291L or BIO 271 & 271L	Clinical Human Anatomy and Clinical Human Anatomy Laboratory Human Anatomy and Human Anatomy Laboratory
KIN 292 & 292L or BIO 277 & 277L	Clinical Human Physiology and Clinical Human Physiology Laboratory Human Physiology and Human Physiology Laboratory
<i>Chemistry</i>	
<i>Select one of the following:</i>	
CHE 103 & CHE 110 or CHE 104 & CHE 110	General Descriptive Chemistry I and Introductory Chemistry Laboratory General Descriptive Chemistry II and Introductory Chemistry Laboratory

- or CHE 111 General Chemistry I
- & CHE 112 and General Chemistry I Laboratory
- or CHE 114 General Chemistry II
- & CHE 115 and General Chemistry II Laboratory

**Nutrition**

Select one course with the NTR prefix chosen from course numbers 213 to 499.

**Communication Studies**

Select one course with the CST prefix chosen from course numbers 105 to 499.

**Psychology**

PSY 121 General Psychology

**Direct Electives<sup>1</sup>** **18**

*One additional KIN course (3 credits) at the 400-level.*

*Two additional KIN courses (6 credits total) at the 100-level and above.<sup>1</sup>*

*Select three additional courses (9 credits) from the following:*

BIO 112

Any BIO course at or above BIO 280

Any CHE course at or above CHE 205

Any CTR course

Any HDF course at or above HDF 111

Any HEA course at or above HEA 113

Any HHS course at or above HHS 110

Any NTR course at or above NTR 213

Any PHY course at or above PHY 205

Any SOC course

Any PSY course at or above PSY 230

Any SWK course at or above SWK 215

- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		<b>3</b>
HSS 490	Senior Honors Project	

**Select 9 credits of KIN Honors courses<sup>\*</sup>** **9**

*\* 6 credits of which must be at the 300-level or above.*

**Recognition**

Receive a Certificate of Disciplinary Honors in Kinesiology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

**Honors Advisor**

Contact Diane Gill (336-334-4683) at [dlgill@uncg.edu](mailto:dlgill@uncg.edu), for further information and guidance about Honors in Kinesiology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Physical Education, Teacher Education (K-12), B.S.

The Physical Education and Health Teacher Education major leads to dual licensure for teaching in North Carolina and most other states. The dual licensure program prepares a student to teach physical education and health in grades K-12. Throughout the program there are opportunities for active observation, assisting teachers, peer and small group teaching, and a culminating student teaching experience with public school students, including those with special needs.

A second academic concentration in Healthful Living is required for completion of this major.

**Student Learning Goals**

Students completing this program will understand physical education and health content, disciplinary concepts, dispositions and tools of inquiry related to how individuals learn and develop physical literacy, movement skills, and lead healthy lifestyles. They will demonstrate effective verbal, nonverbal, and media communication techniques. They will be able to plan and implement a variety of developmentally appropriate instructional strategies, and use both formal and informal assessment to inform instructional practice. A focus will be on becoming a reflective practitioner who collaborates with others and seeks opportunities to grow professionally.

**Overall Requirements**

- 122 credit hours, to include at least 36 credits at or above the 300 course level.
- All KIN courses must be completed with a grade of C (2.0) or higher.
- In addition to the related area requirements listed below, students in this major must complete a second academic concentration consisting of 18 credits of course work in Healthful Living.

**Electives**

Electives sufficient to complete total 120 credit hours required for degree.

**Disciplinary Honors in Kinesiology****Requirements**

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors requirement in Kinesiology

## Degree Program Requirements

Code	Title	Credit Hours	
University Requirements (p. 849)			BIO 111 & 111L Principles of Biology I and Principles of Biology I Laboratory
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)			KIN 291 & 291L Clinical Human Anatomy and Clinical Human Anatomy Laboratory <sup>1</sup> or BIO 271 & 271L Human Anatomy and Human Anatomy Laboratory
			KIN 292 & 292L Clinical Human Physiology and Clinical Human Physiology Laboratory <sup>1</sup> or BIO 277 & 277L Human Physiology and Human Physiology Laboratory
			CST 105 Introduction to Communication Studies
			DCE 200 Dance Appreciation
			PSY 121 General Psychology
			TED 445 Human Diversity, Teaching, and Learning
<b>Lecture Courses</b>			<b>Additional Concentration Requirements</b>
KIN 220	Lifetime Wellness	33	CTR 214 Inclusive Recreation
KIN 250	Introduction to Kinesiology		KIN 307 Observation and Analysis of Fundamental Movement
KIN 265	Strength Training and/or Conditioning		KIN 340 Healthful Living Pedagogy for Elementary School Teaching or KIN 342 Teaching Motor Skills to Preschool Children
KIN 330	Critical Analyses for a Physically Active Society		KIN 354 Curriculum and Teaching: Children's Physical Education <sup>2</sup>
KIN 370	Assessment and Evaluation in Kinesiology		KIN 454 Curriculum and Teaching: Secondary School Physical Education <sup>2</sup>
KIN 375	Physiology of Sport and Physical Activity		KIN 460 Teaching Physical Education and Health Internship <sup>2</sup>
KIN 376	Biomechanics of Sport and Physical Activity		KIN 461 Student Teaching and Seminar in Physical Education <sup>2</sup>
KIN 379	Instructional Methods of Physical Activity		
KIN 386	Motor Control and Learning		
KIN 388	Psychology of Physical Activity		
<b>Activity Courses *</b>		<b>5</b>	
KIN 214	Sports Performance: Racquet Sports		
KIN 231	Recreational Games		
Select two additional courses from activity areas of the following:			
Aquatics:			
KIN 150	Swimming for Non-Swimmers		* Four Activity courses must be completed with a grade of C (2.0) or higher. A maximum of two Activity courses may be taken in the same semester.
KIN 151	Beginning Swimming		Activity courses which are sequential - e.g. beginner, intermediate, advanced - may not be taken concurrently. Once a course has been successfully completed, a student may not enroll in a lower level course for the same activity. A maximum of two DCE courses may be substituted for Activity courses provided the DCE courses are officially listed by the university as STU courses (identified as Studio Schedule Type on the Course Schedule).
Rock Climbing:			
KIN 180	Rock Climbing		
Soccer:			
KIN 106	Beginning Soccer		** A minimum of 3 credits of anatomy and 3 credits of physiology are required.
KIN 206	Intermediate Soccer		
Tae Kwon Do:			
KIN 272	Tae Kwon Do		1 To qualify for graduation, all majors must achieve a grade of C (2.0) or better in each required course with a KIN prefix and the following: BIO 271 & BIO 271L, BIO 277 & BIO 277L.
Ultimate Frisbee:			
KIN 110	Ultimate		2 KIN 354, KIN 450, KIN 454, KIN 460, KIN 461: <ul style="list-style-type: none"><li>• Requires entrance into the PHHT major.</li><li>• Must be taken at UNC Greensboro for graduation and licensure.</li><li>• Requires current certification in First Aid and CPR.</li><li>• Requires Professional Liability Insurance.</li></ul>
Volleyball:			
KIN 101	Beginning Volleyball		
KIN 201	Intermediate Volleyball		
<b>Second Academic Concentration Requirements (Healthful Living)</b>			
NTR 213	Introductory Nutrition	18	
HEA 260	Human Sexuality		
HEA 310	Mental Health and Well-Being		
HEA 331	Alcohol, Tobacco, and Other Drugs		
KIN 220	Lifetime Wellness		
KIN 450	Instructional Strategies for School Health Education		
<b>Related Area and Teacher Licensure Requirements **</b>			24

## Electives

Students will need to take elective hours prior to graduation. The number of electives needed varies based on course selection and any transfer credits. At least 122 credit hours are required to graduate.

## Additional Requirements

- A minimum GPA of 2.50 is required for entry (application required) into and continued enrollment in the Physical Education and Health Teacher Education (PHHT) Program. Evidence of 20 hours of working with children in a physical activity setting is also required for admittance to the PHHT program. A 3.0 GPA is also required for entry into the UNC Greensboro's Teacher Education program (application required) and for licensure by the State of North Carolina. Passing Praxis Core Academic Skills for Educators scores (fee) are also required for entry into the UNC Greensboro's Teacher Education Program.
- A departmental application process is required to enter the program. Prior to acceptance into the Physical Education and Health Teacher Education Program, students will be classified as pre-Kinesiology majors.
- A background check (fee) will be required for entry into the UNC Greensboro Teacher Education program and/or prior to any practical experience in the school setting.
- Liability Insurance (fee) will be required prior to any practical experience with children on campus or in a school setting.
- Students are required to pay a student teaching special fee prior to their student teaching experience.
- First Aid and CPR (fee) certification is required and must remain current for the entire student teaching experience (Student Teaching and Seminars in Physical Education).
- To qualify for graduation in this major and licensure, all majors must complete a Taskstream Portfolio (fee).
- To qualify for graduation in this major and licensure, all majors must attempt the Praxis II: Health and Physical Education: Content Knowledge test. For additional information about the Praxis II, please see the North Carolina Department of Public Instruction website at [http://www.ncpublicschools.org/licensure/](http://www.ncpublicschools.org/licensure).
- Licensure application must be submitted through the UNC Greensboro Teacher Education program at the completion of the PHHT program (fee).
- To graduate, all majors must obtain at least 36 credits in courses at the 300 level or above.
- Students in this major who do not graduate within 7 years or who leave school and later reenter are held to the current program requirements at the time of crossing from the seventh to the 8th year, or are held to the current program requirements during the year of reentry.
- Appeals of any of these requirements must be filed with the appropriate departmental committee within one academic year.

## Disciplinary Honors in Kinesiology

### Requirements

- A minimum of 12 credit hours as defined below.
- A grade of at least B in all course work used to satisfy the Honors requirement in Kinesiology
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		3
HSS 490	Senior Honors Project	9

\* 6 credits of which must be at the 300-level or above.

### Recognition

Receive a Certificate of Disciplinary Honors in Kinesiology; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Diane Gill (336-334-4683) at [dlgill@uncg.edu](mailto:dlgill@uncg.edu), for further information and guidance about Honors in Kinesiology. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Community Youth Sport Development Undergraduate Minor

The CYSD (Community Youth Sport Development) minor is designed for undergraduates with an interest in fostering relationships with youth through sport and physical activity as a means to teach social and personal responsibility.

The CYSD minor may be chosen by any degree-seeking UNC Greensboro student. The required 21 credit hours fortifies major course of studies related to youth programming by providing applied learning experiences related to teaching, mentoring, youth program design, implementation and evaluation, and cultural awareness.

## Program Requirements

- Minimum of 21 credit hours

## Recreation and Parks Management Majors (RPMT)

Code	Title	Credit Hours
<b>Required</b>		18
KIN 356	Leadership and Collaboration	
KIN 381 (COURSE INACTIVE)		
KIN 419	Mentoring in Community Youth Development Programs	
KIN 420	Physical Activity Programs for Underserved Youth	
KIN 421	Evaluation of Physical Activity Programs in Youth Development	
KIN 456	Teaching Practicum II: Children's Physical Activity	
KIN 457	Teaching Practicum: Adolescents' Physical Activity	

## All Other Majors

Code	Title	Credit Hours
CTR 314		
CTR 416	Management in Recreation and Parks	
KIN 456	Teaching Practicum II: Children's Physical Activity	

KIN 457	Teaching Practicum: Adolescents' Physical Activity
KIN 419	Mentoring in Community Youth Development Programs
KIN 420	Physical Activity Programs for Underserved Youth
KIN 421	Evaluation of Physical Activity Programs in Youth Development

## Sport Coaching Undergraduate Minor

The Sport Coaching Minor may be chosen by any degree-seeking UNC Greensboro student. Students will learn the profession of sport coaching including the nature of the profession, qualifications, skills, and issues relative to coaching in community, youth sport, and interscholastic sport activities. Students will culminate their minor experience with opportunities to assume various responsibilities in selected sports under the guidance of qualified coaches.

### Program Requirements

- Minimum of 19 credit hours

Code	Title	Credit Hours
<b>Required</b>		<b>19</b>
KIN 220	Lifetime Wellness	
KIN 286	Foundations of Sport Coaching	
KIN 287	Coaching in Community-Based Sport Programs	
KIN 353	Injuries and Illnesses in Physical Activity	
or KIN 265	Strength Training and/or Conditioning	
KIN 388	Psychology of Physical Activity	
or KIN 230	Psychological Skills for Optimal Performance	
NTR 213	Introductory Nutrition	

#### Practicum

KIN 477	Coaching Practicum in a Selected Sport *
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\* KIN 477 is the last course to be taken in the minor and may be taken only after all other courses are completed

## Athletic Training, M.S.A.T.

The 48-credit-hour Master of Science in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). It is a 5-semester program (1 summer and 2 fall & spring semesters). The program provides academic and clinical experiences sufficient for eligibility to sit for the Board of Certification (BOC) Examination. The program has been Accredited since 2003 making it the oldest continuing Masters in Athletic Training Program in the state of North Carolina.

Students will have at least 4 clinical experiences. Each clinical will range from 300-450 hours of hands-on patient assessment, care, and rehabilitation and at least 1 immersive experience. The clinical footprint extends throughout the state of North Carolina and beyond. Clinical sites include numerous high schools, both public and private, NCAA I, II, and III colleges and Universities, primary care, and rehabilitative facilities, as well as industrial, professional sports, and performing arts.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Admission to the M.S.A.T. is competitive, limited, and not guaranteed to those who meet the minimum requirements. In addition to the admission requirements set forth by The Graduate School, applicants must also meet the admissions requirements set forth by the Athletic Training Education Program as described at <http://kin.uncg.edu/academic-programs/graduate/areas-of-study/athletic-training/application-process/>. The following prerequisites are required for admission eligibility and must be verifiable during the application process:

- Satisfactory completion (C or better) of required prerequisite course work in human anatomy, human physiology, biology, chemistry, biomechanics or physics, and psychology.
- Additional satisfactory completion (C or better) of course work in exercise physiology and nutrition is preferred.
- Documentation of clinical observation/experience under a Certified Athletic Trainer with a minimum of 50 (>75 preferred) hours within 2 years prior to program application.

The application deadline is January 15 of each calendar year after which qualified applicants will be invited by the Program Director to an on-campus visit for a personal interview at the applicant's expense. Students may submit application materials in the preceding Fall for possible early admission consideration. Students must also verify that they can comply with the program's technical standards. Detailed information regarding the application process, technical standards, expenses, prerequisites, and post-admission requirements are available at <http://kin.uncg.edu/academic-programs/graduate/areas-of-study/athletic-training/application-process/>.

## Degree Program Requirements

**Required:** 48 credit hours

Code	Title	Credit Hours
<b>Core Requirements (4 credits)</b>		
KIN 623	Detection and Correction on Functional Movement Patterns in the Physically Active Population	2
KIN 624	Assessment and Treatment of the Lumbo-Pelvic-Hip Complex	2
<b>Research Techniques (3 credits)</b>		
KIN 601	Applying Research to Professional Practice	3
<b>Athletic Training Requirements (29 credits)</b>		
KIN 536	Anatomical Basis of Athletic Injury	3
KIN 633	Emergency Care Athletic Training	3
KIN 634	Athletic Training Foundations	3
KIN 636	Assessment and Treatment of the Lower Extremity	4
KIN 638	Assessment and Treatment of the Upper Extremity	4
KIN 704	Athletic Training Seminar	3
KIN 705	Applied Rehabilitation Concepts	3
KIN 721	General Medical Conditions	3
KIN 725	Management and Professional Issues in Athletic Training	3
<b>Integrative Clinical Experience (12 credits) *</b>		
KIN 620	Athletic Training Clinical Experience (Fall I)	3
KIN 620	Athletic Training Clinical Experience (Spring I)	3
KIN 620	Athletic Training Clinical Experience (Fall II)	3

KIN 620	Athletic Training Clinical Experience (Spring II)	3
<b>Total Credit Hours</b>	<b>48</b>	

\* KIN 620 is taken four times for 3 credits in each semester of the student's program of study.

## Non-credit Professional Development Requirements

In addition to the 48 credits of course work, students are required to gain approximately two weeks of clinical experience during assigned pre-season athletic practices during August of each year in the program. Students are also required to attend weekly in-services and journal club sessions during each of the fall and spring semesters in the program.

## Kinesiology, M.S.

The M.S. in Kinesiology offers both a 36 credit hour thesis option and 30-42 credit hour course work only option. Concentrations in Applied Neuromechanics, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, and Sport and Exercise Psychology are offered in the thesis option. Concentrations in Applied Sport Psychology, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, Exercise Physiology-Clinical, Motor Behavior, Sport and Exercise Psychology, and Sports Medicine are offered in the course work only option. For both options, a minimum of 24 credits must be completed in the department.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit supplementary application materials required by the department.

## Degree Program Requirements

**Required:** 30-42 credit hours

### Breadth Requirement

To enhance their knowledge of the field of Kinesiology, students who do not have an undergraduate major or minor in Kinesiology will consult with their advisor to select appropriate elective courses from at least two of the eight disciplinary areas (Applied Neuromechanics, Applied Sport Psychology, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, Motor Behavior, Sport and Exercise Psychology, Sports Medicine) outside the student's own concentration area. Credit requirements for the Breadth Requirement are listed in the footnote for the electives requirement of each option or concentration.

### Thesis Option

**Required:** 36 credit hours

Code	Title	Credit Hours
<b>Research Techniques Requirement (3 credits)</b>		
HHS 625	Research Methods in the Health and Human Sciences	3
<b>Electives (27 credits)</b>		
Select 27 credits in courses that constitute a specialized knowledge base relevant to student's academic interest and goals *		27

### Research and Thesis (6 credits)

KIN 699	Thesis	6
<b>Total Credit Hours</b>		<b>36</b>

\* With approval of the advisor. For those seeking a concentration in Applied Neuromechanics, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, or Sport and Exercise Psychology, the electives are designated in the concentration section. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

### Course Work Only Option

**Required:** 30-42 credit hours

Code	Title	Credit Hours
<b>Research Techniques Requirement (3 credits)</b>		
KIN 601	Applying Research to Professional Practice	3
<b>Electives (27-39 credits)</b>		
Select 27-39 credits in courses that constitute a specialized knowledge base relevant to student's academic interests and goals <sup>1</sup>		27-39
<b>Integrative (Capstone) Experience (3 or 0 credits)</b>		
Select one of the following options:		3 or 0
<i>Course Option (3 credits)</i>		
Select 3 credits from the following: <sup>2</sup>		
KIN 695	Independent Study	
KIN 713	Internship in Kinesiology	
KIN 714	Field Practicum in Kinesiology	
KIN 746	Practicum in Applied Sport and Exercise Psychology	
<i>Comprehensive Examination Option (0 credits)</i>		
Complete a comprehensive examination <sup>3</sup>		
<b>Total Credit Hours</b>		<b>30-42</b>

<sup>1</sup> With approval of the advisor. For those seeking a concentration in Applied Sport Psychology, Community Youth Sport Development, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, Exercise Physiology-Clinical, Motor Behavior, Sport and Exercise Psychology, or Sports Medicine, the specific course requirements are designated in the concentration section. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select elective courses up to 6 credits to satisfy the Breadth Requirement.

<sup>2</sup> With approval of the advisor.

<sup>3</sup> The student's advisor and two other graduate faculty members, in consultation with the student, develop one comprehensive examination question that requires integration of various bodies of knowledge related to the student's course of study. The question should also be related to the student's particular professional focus. The student may use the full range of available scholarly resources including discussion with faculty in developing the answer. The completed answer must be submitted within six weeks after receiving the question. All three faculty members evaluate the questions using "pass" and "not pass" standards.

## Thesis Option Concentrations

### Applied Neuromechanics Concentration

In addition to the Research Techniques Requirement and Research and Thesis requirements listed under the Thesis Option, students in the Applied Neuromechanics Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Concentration Core (9 credits)</b>		
Select 9 credits from the following:		9
KIN 643	Mechanical Analysis of Motor Skills	
KIN 702	Research Seminar in Applied Neuromechanics	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 729	Learning and Performance of Physical Skills	
KIN 730	Neural Aspects of Motor Control	
<b>Concentration Electives (18 credits)</b>		
Select 18 credits of electives *		18
<b>Total Credit Hours</b>		<b>27</b>

\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

### Community Youth Sport Development Concentration

In addition to the Research Techniques Requirement and Research and Thesis requirements listed under the Thesis Option, students in the Community and Youth Sport Development Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Core Required Courses (8 credits)</b>		
KIN 519	Mentoring in Community Youth Development Programs	2
KIN 520	Physical Activity Programs for Underserved Youth	3
KIN 521	Evaluation of Physical Activity Programs in Youth Development	3
<b>Concentration Electives (19 credits)</b>		
Select 19 credits of electives *		19
<b>Total Credit Hours</b>		<b>27</b>

\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

### Curriculum and Pedagogy Studies in Physical Education Concentration

In addition to the Research Techniques Requirement and Research and Thesis requirements listed under the Thesis Option, students in the Curriculum and Pedagogy Studies in Physical Education Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Core Required Course (3 credits)</b>		
KIN 731	Curriculum Development in Kinesiology *	3
<b>Concentration Core (6 credits)</b>		
Select 6 credits from the following:		6
KIN 570	Development and Implementation of Fitness Programs	
KIN 656	Psycho-Social Aspects of Teaching Physical Education and Sport	
KIN 732	Analysis of Teaching and Learning	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
<b>Concentration Electives (18 credits)</b>		
Select 18 credits of electives **		18
<b>Total Credit Hours</b>		<b>27</b>

\* Core Grade Requirement for Curriculum and Pedagogy Studies in Physical Education Concentration: Students must receive a B or better in KIN 731 to satisfy degree requirements. KIN 731 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 731 the first time the course is taken. The student may appeal this decision to the graduate faculty in Curriculum and Pedagogy Studies in Physical Education. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

\*\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

### Exercise Physiology Concentration

In addition to the Research Techniques Requirement and Research and Thesis requirements listed under the Thesis Option, students in the Exercise Physiology Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Core Required Course (3 credits)</b>		
KIN 670	Physiology of Exercise *	3
<b>Concentration Core (6 credits)</b>		
Select 6 credits from the following:		6
KIN 570	Development and Implementation of Fitness Programs	
KIN 576	Nutrition and Physical Fitness	
KIN 579	Exercise and Older Adults	
KIN 667	Exercise Electrocardiography and Cardiopulmonary Medications	
KIN 668	Advanced Exercise Assessment	
KIN 669	Advanced Exercise Prescription	
KIN 675	Applied Human Work Physiology	
KIN 718	Cardiovascular Aspects of Exercise Physiology	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 724	Physical Activity and Health	

**Concentration Electives (18 credits)**

Select 18 credits of electives **	18
<b>Total Credit Hours</b>	<b>27</b>

- \* Students must receive a B or better in KIN 670 to satisfy degree requirements. KIN 670 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 670 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Exercise Physiology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.
- \*\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

**Sport and Exercise Psychology Concentration**

In addition to the Research Techniques Requirement and Research and Thesis requirements listed under the Thesis Option, students in the Sport and Exercise Psychology Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Core Required Course (3 credits)</b>		
KIN 644	Psychology of Sport and Exercise *	3
<b>Concentration Core (6 credits)</b>		
Select 6 credits from the following:	6	
KIN 645	Exercise Psychology	
KIN 649	Principles of Physical Activity Behavior Change	
KIN 695	Independent Study	
KIN 724	Physical Activity and Health	
KIN 743	Psychological Aspects of Sport Injury	
KIN 744	Applied Sport Psychology	
KIN 745	Social Psychology and Physical Activity	
KIN 748	Advanced Topics in Sport Exercise and Psychology	
<b>Concentration Electives (18 credits)</b>		
Select 18 credits of electives **	18	
<b>Total Credit Hours</b>	<b>27</b>	

- \* Core Grade Requirement for Sport and Exercise Psychology Concentration: Students must receive a B or better in KIN 644 to satisfy degree requirements. KIN 644 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 644 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Sport and Exercise Psychology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.
- \*\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select two elective courses (6 credits) to satisfy the Breadth Requirement.

**Course Work Only Option Concentrations****Applied Sport Psychology Concentration**

In addition to the Research Techniques Requirement (KIN 601 Applying Research to Professional Practice) listed under the Course Work Only Option, students in the Applied Sport Psychology Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Core Required Courses (15 credits)</b>		
KIN 644	Psychology of Sport and Exercise <sup>1</sup>	3
KIN 743	Psychological Aspects of Sport Injury	3
KIN 744	Applied Sport Psychology	3
CED 613	Helping Relationships for Non-Majors	3
HHS 654	Ethics in Practice, Teaching, and Research	3
<b>Electives (15 credits)</b>		
KIN 645	Exercise Psychology <sup>2</sup>	3
or KIN 649	Principles of Physical Activity Behavior Change	
KIN 746	Practicum in Applied Sport and Exercise Psychology	6
Select an additional 6 credits of electives <sup>3</sup>		6
<b>Integrative Experience (Capstone) (3 credits)</b>		
KIN 746	Practicum in Applied Sport and Exercise Psychology	3
<b>Total Credit Hours</b>		<b>33</b>

<sup>1</sup> Core Grade Requirement for Applied Sport Psychology Concentration: Students must receive a B or better in KIN 644 to satisfy degree requirements. KIN 644 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 644 the first time the course is taken. The student may appeal this decision to the graduate faculty in Sport and Exercise Psychology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

<sup>2</sup> In consultation with your advisor, select KIN 645 or KIN 649 to satisfy the AASP requirement for Psychological Foundations of Behavior (K7).

<sup>3</sup> One elective course (3 credits) must be selected to satisfy the AASP requirement for Diversity and Culture (K8). Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select one elective course (3 credits) to satisfy the Breadth Requirement.

**Non-Credit Professional Development Requirements**

In addition to the 36 credits of course work, students are required to attend weekly professional development meetings and the departmental colloquium during each of the Fall and Spring semesters in the program.

**Community Youth Sport Development Concentration**

In addition to the Research Techniques Requirement (KIN 601 Applying Research to Professional Practice) listed under the Course Work Only Option, students in the Community Youth Sport Development Concentration must also complete the following requirements:

Code	Title	Credit Hours	Select a minimum of 15 credits of electives **	15
Core Required Courses (8 credits)				30
KIN 519	Mentoring in Community Youth Development Programs	2		
KIN 520	Physical Activity Programs for Underserved Youth	3		
KIN 521	Evaluation of Physical Activity Programs in Youth Development	3		
Concentration Core (12 credits)				
Select 12 credits from the following:		12		
CED 613	Helping Relationships for Non-Majors			
KIN 519	Mentoring in Community Youth Development Programs			
KIN 695	Independent Study			
PSC 520	Urban Political System			
PSC 612	Organizational Behavior and Leadership			
PSC 620	Urban and Regional Development Policy			
SOC 653	Social Control			
SWK 584	Social Services for Children			
TED 545	Human Diversity, Teaching, and Learning			
Concentration Electives (7-13 credits)				
Select 7-13 credits of electives *		7-13		
Integrative Experience (Capstone) (3-6 credits)				
Select one course (3-6 credits) from the following:		3-6		
KIN 622	Internship in Community Youth Sport Development Programs			
KIN 713	Internship in Kinesiology			
KIN 714	Field Practicum in Kinesiology			
<b>Total Credit Hours</b>		<b>30-39</b>		
<p>* With approval of the student's advisor.</p> <h3>Curriculum and Pedagogy Studies in Physical Education Concentration</h3> <p>In addition to the Research Techniques Requirement and the Integrative Experience (Capstone) requirement listed under the Course Work Only Option, students in the Curriculum and Pedagogy Studies in Physical Education Concentration must also complete the following requirements:</p>				
Code	Title	Credit Hours		
Core Requirement (3 credits)				
KIN 731	Curriculum Development in Kinesiology *	3		
Concentration Core (12 credits)				
Select 12 credits from the following:		12		
KIN 570	Development and Implementation of Fitness Programs			
KIN 656	Psycho-Social Aspects of Teaching Physical Education and Sport			
KIN 732	Analysis of Teaching and Learning			
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs			
Concentration Electives (15 credits)				
Select 15 credits of electives **				15
<b>Total Credit Hours</b>				<b>30</b>
<p>* Students must receive a B or better in KIN 670 to satisfy degree requirements. KIN 670 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 670 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Exercise Physiology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.</p> <p>** With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.</p>				

advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

## Exercise Physiology-Clinical Concentration

**Required:** 42 credit hours

Code	Title	Credit Hours
<b>Research Techniques Requirement (3 credits)</b>		
KIN 601	Applying Research to Professional Practice	3
<b>Concentration Courses (21 credits)</b>		
KIN 644 or KIN 649	Psychology of Sport and Exercise Principles of Physical Activity Behavior Change	3
KIN 667	Exercise Electrocardiography and Cardiopulmonary Medications	3
KIN 668	Advanced Exercise Assessment	3
KIN 669	Advanced Exercise Prescription	3
KIN 670	Physiology of Exercise	3
KIN 720	Pathophysiology and Pharmacology	3
KIN 724	Physical Activity and Health	3
<b>Concentration Electives (6 credits)</b>		
Select two courses (6 credits) of electives from the following: *		6
KIN 643	Mechanical Analysis of Motor Skills	
KIN 645	Exercise Psychology	
HEA 607	Determinants of Health	
NTR 676	Nutrition and Physical Performance	
<b>Integrative (Capstone) Experience (12 credits)</b>		
KIN 713	Internship in Kinesiology **	12
<b>Total Credit Hours</b>		<b>42</b>

\* Or other courses as approved by the program director.

\*\* Students will take no more than 6 credits during a single term; at least 3 credits must be taken in the final semester as the capstone experience.

## Motor Behavior Concentration

In addition to the Research Techniques Requirement and the Integrative Experience (Capstone) requirement listed under the Course Work Only Option, students in the Motor Behavior Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Concentration Core (12 credits)</b>		
Select 12 credits from the following:		12
KIN 643	Mechanical Analysis of Motor Skills	
KIN 695	Independent Study	
KIN 719	Muscular Aspects of Exercise Physiology	
KIN 729	Learning and Performance of Physical Skills	
KIN 730	Neural Aspects of Motor Control	
<b>Concentration Electives (18 credits)</b>		
Select 18 credits of electives *		18
<b>Total Credit Hours</b>		<b>30</b>

\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their

advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

## Sport and Exercise Psychology Concentration

In addition to the Research Techniques Requirement and the Integrative Experience requirement listed under the Course Work Only Option above, students in the Sport and Exercise Psychology Concentration must also complete the following requirements:

Code	Title	Credit Hours
<b>Core Required Course (3 credits)</b>		
Select one course (3 credits) from the following:		3
KIN 644	Psychology of Sport and Exercise <sup>1</sup>	
KIN 745	Social Psychology and Physical Activity	
<b>Concentration Core (6 credits)</b>		
Select a minimum of 6 credits from the following:		6
KIN 645	Exercise Psychology	
KIN 649	Principles of Physical Activity Behavior Change	
KIN 680	Mental Skills for Coaching Athletes	
KIN 682	Working with Diverse Populations in Sport and Performance Psychology	
KIN 695	Independent Study <sup>2</sup>	
KIN 743	Psychological Aspects of Sport Injury	
KIN 744	Applied Sport Psychology	
KIN 748	Advanced Topics in Sport Exercise and Psychology	
<b>Concentration Electives (18 credits)</b>		
Select 18 credits of electives <sup>3</sup>		18
<b>Total Credit Hours</b>		<b>27</b>

<sup>1</sup> Core Grade Requirement for Sport and Exercise Psychology Concentration: Students must receive a B or better in KIN 644 to satisfy degree requirements. KIN 644 may be taken a maximum of two times to achieve this outcome. Withdrawal from the program will be recommended if the student fails KIN 644 the first time the course is taken. The student may appeal this decision to the Graduate Faculty in Sport and Exercise Psychology. If a B or better is not earned after taking the course twice, the student will be automatically withdrawn with no opportunity to appeal.

<sup>2</sup> The required integrated experience will consist of passing a comprehensive exam. In some instances, an exception to complete KIN 695 or another course option to satisfy the integrated experience requirement may be approved by the student's advisor; if approved, the selected course may also count towards the concentration core or concentration electives requirements.

<sup>3</sup> With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select one elective course (3 credits) to satisfy the Breadth Requirement.

## Sports Medicine Concentration

In addition to the Research Techniques Requirement and the Integrative Experience (Capstone) requirement listed under the Course Work Only Option, students in the Sports Medicine Concentration must also complete the following requirements:

Code	Title	Credit Hours	
<b>Concentration Core (12 credits)</b>			
Select a minimum of 12 credits from the following:		12	
KIN 576	Nutrition and Physical Fitness		
KIN 638	Assessment and Treatment of the Upper Extremity		
KIN 640	Rehabilitation Techniques for Athletic Injuries		
KIN 643	Mechanical Analysis of Motor Skills		
KIN 670	Physiology of Exercise		
KIN 709	Mentored Teaching in Kinesiology		
KIN 720	Pathophysiology and Pharmacology		
KIN 725	Management and Professional Issues in Athletic Training		
KIN 730	Neural Aspects of Motor Control		
KIN 743	Psychological Aspects of Sport Injury		
<b>Concentration Electives (18 credits)</b>			
Select 18 credits of electives *		18	
<b>Total Credit Hours</b>		<b>30</b>	

\* With approval of the student's advisor. Students who do not have an undergraduate major or minor in Kinesiology must consult with their advisor to select up to two elective courses (6 credits) to satisfy the Breadth Requirement.

## Kinesiology, M.S./Ph.D.

The combined M.S./Ph.D. track in Kinesiology consists of a minimum of 78 credit hours beyond the baccalaureate degree and is intended for the most exceptional students (see Application and Admission section). It is anticipated that completion of the M.S./Ph.D. track will reasonably span five years. By the end of Year 2, students will enroll in a minimum of 6 credits of integrative/research related activity to meet the requirements of the M.S. degree if they choose not to continue on to completion of the Ph.D. degree. For those students already enrolled in the M.S. degree, it is expected their M.S. course work will already include many of the foundational courses for their discipline. In this case, additional course work in Years 3 and 4 will primarily consist of intensive research and dissertation credits. Specific course work will be determined by the student's advisor and advisory committee, consistent with each sub-discipline.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit supplementary application materials required by the department.

Exceptional students who have an appropriate baccalaureate degree and who demonstrate superior ability and a high level of motivation and dedication to research and learning are eligible to apply directly into the M.S./Ph.D. track. Current master's degree students in Kinesiology who wish to pursue the Ph.D. may apply once they have completed at least 18 credits of foundational course work in their discipline, have demonstrated dedication to research, and have not yet formally proposed their thesis. Students must apply for admittance to the M.S./Ph.D. and must identify one of the possible concentration areas (Applied Neuromechanics,

Exercise Physiology, Curriculum and Pedagogy Studies in Physical Education, Sport and Exercise Psychology, or Kinesiology.)

## Degree Program Requirements

**Required:** 78 credit hours

### Requirements

- Breadth Requirement (0-6 credits). Please see description under M.S. degree program requirements.
- Integrative experience (6 credits)
- Research methods (3 credits)
- Research tools and statistics (12 credits)
- Independent doctoral research (KIN 795 Independent Doctoral Research ) or equivalent (minimum of 6 credits)
- Electives in major concentration area (33 credits)
- Dissertation (12 credits)

Items 1-3 plus 15-21 credits of electives are required to complete the M.S. degree. (See the requirements for the M.S. Thesis and Non-Thesis options.) Items 1-7 are required to complete the M.S./Ph.D. A minimum of 9 credits must be in courses numbered 750 and above.

### Program Progression

#### Year One

18 credits of coursework, to include courses related to the research process

Benchmark: Preliminary screening (early/mid semester 2)

#### Year Two

18 credits of coursework, to include courses related to the research process

Benchmark: Oral and written demonstration of research competence (end of semester 2)

#### Years Three and Four

Completion of remaining coursework

Benchmark: Comprehensive examination (oral and written)

#### Year Five

12 credits of dissertation

Benchmark: Completion of and oral defense of dissertation

### Required Benchmarks

Continued progression in the M.S./Ph.D. track is contingent on satisfactory progress through each year of study. Progress will be formally assessed each Spring as follows:

#### Year One

##### Preliminary Screening (Early/Mid Spring)

The preliminary screening will consist of a formal evaluation of the scholarly work completed from the time of admission through the completion of 18 credits of coursework (counting work in progress in a current term). This screening must occur during the second semester of study, so that a decision can be made prior to admission and graduate assistantship decisions for the upcoming Fall. An advisory committee consisting of a minimum of 3 members (the student's advisor, Director of Graduate Study, and at least one other) will conduct the first year preliminary screening review. The intent is to determine relatively early in students' academic careers whether or not they display the high quality of academic achievement necessary to pursue and successfully complete the doctoral degree. Excellent students will be

encouraged to continue in the program. Students who do not meet the requirements will be strongly urged through counseling by their advisory/dissertation committee to complete the M.S. degree level and pursue other intellectual/career avenues.

In order to progress to Year 2, all members of the student's preliminary screening committee must review all criteria and confirm satisfactory progress in the preliminary evaluation.

## Year Two

### Research Competence (End of Spring Semester)

Students will be expected to be actively engaged in research from the beginning of their studies in Year 1. In Year 2, students will be expected to complete a comprehensive research project by the end of their second year of study. This project should encompass all aspects of the research process, including the following:

- Conception and design of the project
- Acquisition and reduction of the data
- Analysis and interpretation of the data
- Written summary of the work (e.g. Submission ready manuscript)
- Oral presentation of the work

To progress to Year 3, the student's M.S./Ph.D. advisory committee must approve the work.

## Year Three

### Comprehensive Examination

When the student has completed a minimum of three-quarters of the coursework (60 credits) contained in the program of study and completed the research skill requirements, they are then eligible to take the comprehensive examinations. Each doctoral student is required to pass the doctoral preliminary examinations which consist of both a written and oral examination, per the guidelines of the Graduate School and the Department of Kinesiology.

For more information, please visit <https://kin.uncg.edu/apply/graduate/>.

## Kinesiology, Ed.D.

The Ed.D. in Kinesiology is an interdisciplinary online degree program specifically for practicing professionals who have a minimum of three years professional experience in Kinesiology or related fields and desire a doctorate focused on scholarship and professional practice in leadership, advocacy, and teaching. The Ed.D. in Kinesiology requires a minimum of 48 credit hours (36 credits of course work and 12 credits of dissertation). Our aim is to bring together a community of scholars to develop action-oriented leaders in the field of Kinesiology.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit supplementary application materials required by the department and described in detail at <https://kin.uncg.edu/academic-programs/edd-online/application-and-admission/>.

Most applications are reviewed in the Spring for Fall admission. The application deadline to receive full consideration for admission is January 15; however, applications will be accepted through mid-April.

## Degree Program Requirements

**Required:** 48 credit hours minimum

### Campus Visits

In our effort to foster a sense of community with their peers and the UNC Greensboro faculty/staff, and to fulfill their residency requirement, students will make three required visits to campus. These visits allow students to become familiar with the technology and campus services, present their dissertation proposal, and present their dissertation.

### Required on-campus visits:

- Orientation (Summer prior to Year 1 course work; 3 days)
- Dissertation proposal (Spring, Year 3; 3-5 days)
- Dissertation presentation (Spring, Year 4; 3 days)

A minimum of 48 credit hours (a minimum of 36 credits of course work and a minimum of 12 credits of dissertation) are required to earn the degree. KIN 701, KIN 716, KIN 750, KIN 751, KIN 753, and KIN 779 are required courses for all students.

Code	Title	Credit Hours
<b>Program Leadership and Interdisciplinary Concepts in Kinesiology (12-15 credits)<sup>1</sup></b>		
KIN 750	Seminar in Kinesiology	3
Select three to four courses (9-12 credits) from the following: <sup>1</sup>		
KIN 706	Online Pedagogy in Kinesiology and Related Professions	
KIN 715	Professional Ethics in Health and Human Sciences	
KIN 724	Physical Activity and Health	
KIN 729	Learning and Performance of Physical Skills	
KIN 731	Curriculum Development in Kinesiology	
KIN 732	Analysis of Teaching and Learning	
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	
KIN 736	Leadership, Advocacy, and Social Justice in Kinesiology	
KIN 738	Sport-based Youth Development	
KIN 745	Social Psychology and Physical Activity	
KIN 762	Program Design in Kinesiology and Related Professions	
KIN 778	Professional Seminar in Grant Writing	
<b>Research/Dissertation Preparation (13-18 credits)<sup>1</sup></b>		
KIN 701	Research Topics in Kinesiology	3
KIN 716	Action-Oriented Research in Kinesiology	3
KIN 751	Advanced Research Seminar in Kinesiology	3
KIN 753	Professional Dissertation Seminar	1-9
KIN 739	Knowledge and Scholarship in Kinesiology (optional) <sup>2</sup>	
Select one course (3 credits) from the following:		
KIN 717	Qualitative Research Methods in Kinesiology	
KIN 723	Statistical Methods for Kinesiology	
KIN 737	Applied Data Analysis in Kinesiology	
<b>Practicum/Independent Study (2-3 credits)</b>		
Select one course (2-3 credits) from the following: <sup>1</sup>		
KIN 695	Independent Study	2-3

KIN 713	Internship in Kinesiology	
KIN 714	Field Practicum in Kinesiology	
KIN 752	Advanced Professional Seminar in Kinesiology	
KIN 795	Independent Doctoral Research	
<b>Added Electives (0-6 credits)</b>		
Select additional courses from any section to complete 36 credit hours minimum of course work total	0-6	
<b>Dissertation (13-19 credits)</b>		
KIN 779	Dissertation Presentation Seminar	1
KIN 799	Dissertation <sup>4</sup>	12-18
<b>Total Credit Hours</b>		<b>48</b>

- <sup>1</sup> Other courses may be acceptable with advisor and committee approval.  
<sup>2</sup> Students may select KIN 739 as an optional course, but it is not required to fulfill the Research/Dissertation Preparation requirement.  
<sup>3</sup> The 1 credit of KIN 779 under the Dissertation requirement is included in the minimum of 36 credits of course work total.  
<sup>4</sup> A minimum of 12 credits of KIN 799 are required.

## Kinesiology, Ph.D.

The Ph.D. in Kinesiology requires a minimum of 60 credit hours. Some students are required to take additional hours beyond the minimum. Students may choose to take a general course of study in Kinesiology or choose from four concentration areas: Applied Neuromechanics, Curriculum and Pedagogy Studies in Physical Education, Exercise Physiology, and Sport and Exercise Psychology. Students must complete a minimum of 24 credits in Kinesiology, excluding dissertation hours.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit supplementary application materials required by the department.

## Degree Program Requirements

**Required:** 60-66 credit hours

Code	Title	Credit Hours
<b>Collateral Expertise</b>		
Research projects beyond those required in courses		
<b>Research Techniques (12 credits)</b>		
Select a minimum of 12 credits from courses focused on research techniques <sup>1</sup>	12	
<b>Electives (36 credits)</b>		
Select at least 36 credits of elective courses <sup>2</sup>	36	
<b>Dissertation (12-18 credits)</b>		
KIN 799	Dissertation <sup>3</sup>	12-18
<b>Total Credit Hours</b>		<b>60-66</b>

<sup>1</sup> With the approval of the student's Advisory Committee.

<sup>2</sup> With the approval of the Advisory Committee, the student selects at least 36 credits of course work tailored to meet their particular academic goals.

This should include course work in a specialized knowledge base and course work in other areas of kinesiology and/or other departments. For those seeking a concentration in Applied Neuromechanics, Curriculum and

Pedagogy Studies in Physical Education, Exercise Physiology, or Sport and Exercise Psychology, the 36 credits are designated in the concentration sections.

<sup>3</sup> Only 12 dissertation credits may be applied to the minimum of 60 credits required for the program – i.e., at least 48 non-dissertation credits must be completed.

### Collateral Expertise

The student is expected to work on research projects beyond those required in courses and to demonstrate to the department faculty that progress in these endeavors is satisfactory.

### Residency

The Department does not recognize summer session as part of the residency requirement for Ph.D. students. Two consecutive 15-week semesters of study in which a student is enrolled for a minimum of 6 credits of course work each term is needed to satisfy the residency requirement. Course work taken in summer sessions may, of course, be included in a student's program.

### Formal Reviews and Examinations

The student must pass each of the reviews and examinations listed below. See this catalog and the Kinesiology Department graduate web site for details.

- Plan of Study approval
- Comprehensive Examination (written & oral)
- Dissertation Proposal approval
- Advancement to Candidacy
- Final oral examination (Dissertation Defense)

### Concentrations

#### Applied Neuromechanics Concentration

Code	Title	Credit Hours
<b>Concentration Core (24 credits)</b>		
KIN 702	Research Seminar in Applied Neuromechanics	1
KIN 709	Mentored Teaching in Kinesiology	1-3
KIN 719	Muscular Aspects of Exercise Physiology	3
KIN 729	Learning and Performance of Physical Skills	3
KIN 730	Neural Aspects of Motor Control	3
KIN 742	Mechanical Analysis of Motor Skills	3
KIN 795	Independent Doctoral Research	1-6
KIN 798	Doctoral Seminar in Grant Writing	3
<b>Concentration Electives (12 credits)</b>		
Select a minimum of 12 credits of elective courses <sup>*</sup>		12
<b>Total Credit Hours</b>		<b>36</b>

\* In other areas of Kinesiology with approval of the Advisory Committee.

## Curriculum and Pedagogy Studies in Physical Education Concentration

Code	Title	Credit Hours	
<b>Concentration Core (18 credits)</b>			
KIN 726	Development and Implementation of Fitness Programs	3	KIN 724 Physical Activity and Health
KIN 731	Curriculum Development in Kinesiology	3	KIN 740 Psychology of Sport and Exercise
KIN 732	Analysis of Teaching and Learning	3	KIN 741 Exercise Psychology
KIN 735	Program Evaluation and Evidence-Based Practice in Physical Activity Programs	3	KIN 743 Psychological Aspects of Sport Injury
KIN 756	Psycho-Social Aspects of Teaching Physical Education and Sport	3	KIN 744 Applied Sport Psychology
KIN 758	Multiculturalism and Physical Education Curriculum	3	KIN 745 Social Psychology and Physical Activity
<b>Concentration Electives (18 credits)</b>			
Select 18 credits of elective courses at the 600- to 700-level *			27
<b>Total Credit Hours</b>			<b>36</b>

\* With the approval of the Advisory Committee, select courses that complement the specialized knowledge base relevant to the student's academic interest and career goals.

## Exercise Physiology Concentration

Code	Title	Credit Hours
<b>Concentration Core (9 credits)</b>		
KIN 718	Cardiovascular Aspects of Exercise Physiology	3
KIN 719	Muscular Aspects of Exercise Physiology	3
KIN 770	Physiology of Exercise	3
<b>Concentration Electives (12 credits)</b>		
Select 12 credits from the following:		12
KIN 701	Research Topics in Kinesiology	
KIN 724	Physical Activity and Health	
KIN 767	Exercise Electrocardiography and Cardiopulmonary Medications	
KIN 768	Advanced Exercise Assessment	
KIN 769	Advanced Exercise Prescription	
KIN 775	Applied Human Work Physiology	
NTR 776	Nutrition and Physical Performance	
<b>Additional Electives (9 credits)</b>		
Select a minimum of 9 credits of elective courses *		9
<b>Required Research Prior to Dissertation (6 credits)</b>		
KIN 795	Independent Doctoral Research **	6
<b>Total Credit Hours</b>		
<b>36</b>		

\* In other areas of Kinesiology with approval of the Advisory Committee.

\*\* A minimum of 6 credits in KIN 795 must be selected.

## Sport and Exercise Psychology Concentration

Code	Title	Credit Hours
<b>Concentration Core (9 credits)</b>		
Select 9 credits from the following: *		9

KIN 724	Physical Activity and Health
KIN 740	Psychology of Sport and Exercise
KIN 741	Exercise Psychology
KIN 743	Psychological Aspects of Sport Injury
KIN 744	Applied Sport Psychology
KIN 745	Social Psychology and Physical Activity
KIN 746	Practicum in Applied Sport and Exercise Psychology
KIN 748	Advanced Topics in Sport Exercise and Psychology
KIN 795	Independent Doctoral Research
<b>Concentration Electives (27 credits)</b>	
Select a minimum of 27 credits of elective courses **	
<b>Total Credit Hours</b>	
<b>36</b>	

\* Specialization area courses relate to the student's research focus and sport/exercise psychology interests. Course work should include advanced sport/exercise psychology courses (e.g. KIN 744, KIN 745, advanced topics).

\*\* With approval of the Advisory Committee.

# Nutrition

*School of Health and Human Sciences*

318 Stone Building  
336-334-5313  
<http://hhs.uncg.edu/wordpress/ntr> (<http://hhs.uncg.edu/wordpress/ntr/>)

**Ron F. Morrison**, *Department Chair*

**Lauren A. Haldeman**, *Director of Undergraduate Studies*

**Jigna M. Dharod**, *Graduate Program Director*

## About

The Department of Nutrition offers course instruction, research experience, and fieldwork opportunities. The curriculum is designed to train students in the three areas of focus listed below.

- **Human Nutrition and Dietetics** —develops and educates students to work as agricultural extension agents; dietitians in hospitals, long-term care facilities and public health programs; nutrition education specialists; sports nutrition; consultants and entrepreneurs. The Human Nutrition and Dietetics concentration is the Didactic Program in Dietetics and meets the academic requirements of the Academy of Nutrition and Dietetics (AND). Students completing this concentration meet academic requirements to be eligible to apply to a dietetic internship or preprofessional practice program. The Didactic Program of Dietetics is currently granted approval status by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND).
- **Nutrition Science** —prepares students for entry into medical, dental, chiropractic or graduate school; trains students for research and development in the biomedical, biotechnical, and pharmaceutical industries.
- **Nutrition and Wellness** —provides instruction and experience in the basic nutritional sciences, community nutrition, public health education, and kinesiology, enabling graduates to work in a variety of settings such as voluntary and community health organizations, health care, government, education, and the fitness industry. This concentration also prepares students for graduate training in nutrition, public health education, and kinesiology.

## Graduate Study

The Department of Nutrition graduate programs leading to the Master of Science (M.S.) and the Doctor of Philosophy (Ph.D.) degrees in nutrition both offer specializations in community nutrition and nutrition education, human/clinical nutrition, and cellular and molecular nutrition. Background courses in general chemistry, organic chemistry, biochemistry, mammalian physiology, and general nutrition are required for all degree programs. Upon entry, a Plan of Study is developed by students and their advisors or Advisory Committees to develop strengths in the area of interest the student has chosen.

## Accreditation

The accreditation agency of the Academy of Nutrition and Dietetics is the Accreditation Council for Education in Nutrition and Dietetics (ACEND). ACEND is recognized by the US Department of Education as a Title IV Gatekeeper. This recognition affirms that ACEND meets national standards and is a reliable authority on the quality of nutrition and dietetics education programs. ACEND is also a member of the

Association of Specialized and Professional Accreditors (ASPA) and abides by its code of good practice.

Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND)  
120 S. Riverside Plaza, Suite 2000  
Chicago, IL 60606  
312/899-0040

### Professor

Clinton D Allred, *Professor and Lake Simpson Dickson Distinguished Professor<sup>G</sup>*  
Keith M. Erikson<sup>G</sup>  
Lauren A Haldeman<sup>G</sup>  
Lenka Humenikova Shriver<sup>G</sup>  
Zhanxiang Zhou<sup>G</sup>

### Academic Professional Professor

Babbi Lois Stanley Hawkins<sup>G</sup>

### Associate Professor

Seth Armah<sup>G</sup>  
Jigna Morarji Dharod<sup>G</sup>  
Steve C Fordahl<sup>G</sup>  
Jared T McGuirt<sup>G</sup>  
Ron F Morrison<sup>G</sup>  
Maryanne Tigchelaar Perrin<sup>G</sup>

### Academic Professional Associate Professor

Laurie Helen Allen<sup>G</sup>

### Academic Professional Assistant Professor

Amy Smith Moyer

### Visiting Assistant Professor

Madeleine Anne Meinholt

### Lecturer

Kelli Leigh Davidson

*G Graduate-level faculty*

- Nutrition, B.S. (p. 710)
- Nutrition Undergraduate Minor (p. 713)
- Nutrition, M.S. (p. 713)
- Nutrition, Ph.D. (p. 715)
- Dietetic Internship, Post-Baccalaureate Certificate (p. 716)

## Nutrition, B.S.

### Criteria for Progression in the Major

New first year and transfer students are required to have a minimum 2.50 cumulative GPA to be admitted to the B.S. in Nutrition. Additionally, all continuing students must maintain a cumulative GPA of at least 2.50 throughout the completion of the Nutrition major. Students that change their Nutrition major or concentration during the academic year will be held to the minimum 2.50 GPA requirement. If the GPA drops below 2.50, students will be contacted in writing by the Undergraduate Program Director indicating that they have dropped below the threshold and will have one semester to increase the cumulative GPA to at least 2.50. If this does not happen, the student will be dropped from the Nutrition major.

the following semester. Notifications to students will be made at the beginning of each fall and spring semester.

A student must earn a grade of C (a C- is not acceptable) or better in all required NTR and related area courses to graduate in each of the three concentrations offered by the department. Furthermore, students must earn a C or better in prerequisite courses to enroll in specific upper-level courses (see course listings). A student may not receive credit for any NTR course by special examination.

No NTR course or related area course for which a grade of C (a C- is not acceptable) or better is required for the major may be taken more than twice. Students who receive a grade below C, which includes a C-, twice in the same NTR course or related area course for which a grade of C or better is required for the major will be dropped from the major.

## Suggested Academic Workload Guidelines

The faculty of the Department of Nutrition recognizes that many of its students must hold jobs to support college expenses. The faculty wishes to emphasize that academic excellence and scholastic achievement usually require a significant investment of time in study and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the faculty have endorsed the following recommendations:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour spent in class. Thus, students with a 15 credit hour course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.
2. Students who are employed more than 5–10 credits each week should consider reducing their course loads (semester hours), depending upon their study habits, learning abilities, and course work requirements.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Students must earn grades of C (2.0) or better in all major and related area required courses.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Human Nutrition and Dietetics
- Nutrition and Wellness
- Nutrition Science

## Electives

Electives sufficient to complete total 120 credit hours required for degree.

## Human Nutrition and Dietetics Concentration Requirements

(and Didactic Program in Dietetics)

Code	Title	Credit Hours
<b>Required</b>		
NTR 103	Introduction to Food Science	90
NTR 203	Basic Quantitative Principles in Food and Nutrition	
NTR 213	Introductory Nutrition	
NTR 282	Introduction to Dietetics	
NTR 302	Nutrition Education and Application Processes	
NTR 309	Quantity Food Procurement and Production	
NTR 313	Nutrition Throughout the Life Cycle	
NTR 403	Food Science and Technology	
NTR 413	Intermediate Nutrition	
NTR 421	International Nutrition and Cultural Foods	
NTR 423	Community Nutrition	
NTR 426	Management Practices for Dietetics	
NTR 431	Nutrition and Human Metabolism	
NTR 460	Advanced Nutrition	
NTR 474	Medical Nutrition Therapy 1	
NTR 475	Medical Nutrition Therapy 2	
NTR 482	Professionalism in Dietetics	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 271 & 271L or KIN 291 & 291L	Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory	
BIO 277 & 277L or KIN 292 & 292L	Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory	
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
CED 310	Helping Skills	
CHE 103	General Descriptive Chemistry I	
CHE 104	General Descriptive Chemistry II	
CHE 110	Introductory Chemistry Laboratory	
CHE 205 & CHE 206	Introductory Organic Chemistry and Introductory Organic Chemistry Laboratory	
ENG 101	Exploring Writing in College Contexts	
MAT 115	College Algebra	
PSY 121	General Psychology	
STA 108	Elementary Introduction to Probability and Statistics	

## Nutrition and Wellness Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		
NTR 103	Introduction to Food Science	
NTR 203	Basic Quantitative Principles in Food and Nutrition	

NTR 213	Introductory Nutrition
NTR 302	Nutrition Education and Application Processes
NTR 313	Nutrition Throughout the Life Cycle
NTR 403	Food Science and Technology
NTR 413	Intermediate Nutrition
NTR 421	International Nutrition and Cultural Foods
NTR 423	Community Nutrition
NTR 476	Sports Nutrition
NTR 450	Nutrition Assessment
<b>Public Health Education Course</b>	
HEA 201	Personal Health
<b>Kinesiology Courses</b>	
KIN 220	Lifetime Wellness
KIN 375	Physiology of Sport and Physical Activity
KIN 376	Biomechanics of Sport and Physical Activity
<b>Natural Sciences Courses</b>	
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
or KIN 291 & 291L	Clinical Human Anatomy and Clinical Human Anatomy Laboratory
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
or KIN 292 & 292L	Clinical Human Physiology and Clinical Human Physiology Laboratory
CHE 104	General Descriptive Chemistry II
CHE 110	Introductory Chemistry Laboratory
<b>Counseling and Education Course</b>	
CED 310	Helping Skills
<b>Mathematics Course</b>	
MAT 115	College Algebra *
<b>Selected Electives</b>	
<i>Select four of the following: **</i>	
CTR 102	Creating a Meaningful Life
ELC 201	Introduction to Community Leadership
HDF 111	Human Development Across the Life Span
HEA 307	Global Health
HEA 310	Mental Health and Well-Being
HEA 315	Epidemiology
HEA 316	Environmental Health
HEA 450	Current Health Problems
HEA 471	Immigrant and Refugee Health
KIN 230	Psychological Skills for Optimal Performance
KIN 420	Physical Activity Programs for Underserved Youth
<b>Additional Requirements</b>	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory
CHE 103	General Descriptive Chemistry I
CST 105	Introduction to Communication Studies
ENG 101	Exploring Writing in College Contexts
PSY 121	General Psychology
STA 108	Elementary Introduction to Probability and Statistics

\* Completion of the course listed or pass placement exam.

\*\* Two must have an HEA prefix.

## Nutrition Science Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		72
NTR 213	Introductory Nutrition	
NTR 302	Nutrition Education and Application Processes	
NTR 313	Nutrition Throughout the Life Cycle	
NTR 413	Intermediate Nutrition	
NTR 431	Nutrition and Human Metabolism	
NTR 450	Nutrition Assessment	
NTR 460	Advanced Nutrition	
NTR 473	Medical Nutrition Therapy	
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
or KIN 292 & 292L	Clinical Human Physiology and Clinical Human Physiology Laboratory	
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
BIO 355	Cell Biology	
BIO 375	Cell Biology and Genetics Laboratory	
BIO 392	Genetics	
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 205 & CHE 206	Introductory Organic Chemistry and Introductory Organic Chemistry Laboratory	
ENG 101	Exploring Writing in College Contexts	
MAT 115	College Algebra	
STA 108	Elementary Introduction to Probability and Statistics	

## Disciplinary Honors in Nutrition

### Requirements

- A minimum of 12 credit hours as detailed below.
- A grade of A or B in all course work used to satisfy the Honors requirements in Nutrition with at least a 3.50 overall GPA at graduation.

Code	Title	Credit Hours
<b>Required</b>		6
NTR 493	Honors Work *	
<b>Select 6 credits of any 400-level honors contracted NTR course</b>		6

\* Taken for 3 credits during fall semester of senior year and 3 credits during spring semester of senior year.

### Recognition

Receive a Certificate of Disciplinary Honors in Nutrition; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Lauren Haldeman at [lahaldem@uncg.edu](mailto:lahaldem@uncg.edu) for further information and guidance about Honors in Nutrition. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Nutrition Undergraduate Minor

### Program Requirements

- Minimum of 15 credit hours

A student must earn a grade of C (2.0) or better in all required courses.

Code	Title	Credit Hours
<i>Required</i>		
NTR 103	Introduction to Food Science	
NTR 213	Introductory Nutrition	
<i>Select three of the following:</i>		
NTR 313	Nutrition Throughout the Life Cycle	
NTR 413	Intermediate Nutrition	
NTR 421	International Nutrition and Cultural Foods	
NTR 431	Nutrition and Human Metabolism	
NTR 450	Nutrition Assessment	
NTR 460	Advanced Nutrition	
NTR 473	Medical Nutrition Therapy	
NTR 476	Sports Nutrition	

## Nutrition, M.S.

The M.S. in Nutrition offers a thesis option (37 credit hours minimum), a non-thesis option (40 credit hours minimum), and a Dietetic Internship Concentration (38 credit hours). The thesis option is research-based and designed to prepare students for research, administration and practitioner positions in nutrition, or for progression to the Ph.D. program. A written thesis is required for graduation. The non-thesis option is designed to prepare students for consulting, administrative, and practitioner positions in nutrition. A comprehensive examination must be passed. The registered dietitian (RD) credential must be obtained for a career in dietetics.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a letter of intent that includes research and professional objectives and that identifies faculty with research interests most central to student research and career interests.

Prerequisites for admission to the graduate program in nutrition include: 2-3 semesters of biology (general biology with lab, human physiology) and 3-4 semesters of chemistry (inorganic chemistry with lab, organic chemistry with lab, biochemistry).

### Dietetic Internship Concentration Application and Admission

A bachelor's degree from an accredited college or university with proof of completion of an ACEND accredited Didactic Program in Dietetics within 5 years of application date is required. A minimum cumulative grade point average of 3.0 on a 4.0 scale, and a 3.0 on a 4.0 scale in nutrition, foods, food science, food service management, chemistry, biochemistry, biology, physiology, and microbiology courses is preferred. Varied work experiences and exposures in dietetics and/or food service are strongly preferred. Applicants will be evaluated based upon their academic performance, dietetics-related work/volunteer experiences, letters of reference, and statement of professional goals. The selection process is highly competitive and not all applicants who meet the minimum requirements may be selected.

The GRE is not required.

Materials required for application include:

- DPD Verification Statement or Intent to Complete form signed by DPD Director
- Resume
- Personal Statement
- Three letter of recommendations
- Transcripts
- UNC Greensboro Supplemental Application mailed directly to program

#### Steps for Application and Admission:

Process should begin in late Fall for mid-February deadline.

Visit the Academy of Nutrition and Dietetics website and review the application process for students at: [https://www.eatrightpro.org/acend/students-and-advancing-education/application-process-for-students/](https://www.eatrightpro.org/acend/students-and-advancing-education/application-process-for-students). [\(https://www.eatrightpro.org/acend/students-and-advancing-education/application-process-for-students/\)](https://www.eatrightpro.org/acend/students-and-advancing-education/application-process-for-students/).

Apply to the program via the Dietetic Inclusive Centralized Application Services (DICAS) online portal by the middle of February for Spring match (please see portal for exact date).

1. Complete UNC Greensboro supplemental application and mail with application fee.
2. Register with D&D Digital Online Dietetics Internship Matching Service for the Academy of Nutrition and Dietetics. Rank program by deadline. (See D&D Digital for exact date).
3. Complete interview process upon invitation (March).
4. Confirm final rankings on D&D Digital.
5. Await match results (early April).
6. If matched to UNC Greensboro, confirm acceptance by deadline.
7. Apply for admission to UNC Greensboro Graduate School (May).

## Degree Program Requirements

### Thesis Option

**Required:** 37 credit hours minimum

At least 26 credits must be in 600-level courses. The minimum requirements include:

Code	Title	Credit Hours			
<b>Required Core (15 credits minimum)</b>					
NTR 609A	Seminar in Nutrition <sup>1</sup>	2	NTR 673	Nutrition Research Methodology	3
NTR 609B	Seminar in Nutrition	2	Select at least 3 credits from the following:		3
NTR 625	Gene Expression and Protein Metabolism	2	NTR 601	Directed Study in Nutrition	
NTR 626	Energy, Carbohydrate, Lipid Metabolism	2	NTR 623	Current Trends in Nutrition	
NTR 627	Antioxidants and Bioactive Food Components	2	NTR 653	Problems in Food and Nutrition	
NTR 628	Vitamins and Minerals	2	NTR 670	Research Skill Development	
Select one course (3 credits) from the following:		3	<b>Electives (20 credits minimum)</b>		
ERM 680	Intermediate Statistical Methods in Education		Select at least 20 credits of electives *		20
HEA 604	Quantitative Methods		<b>Total Credit Hours</b>		<b>40</b>
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I				
<b>Research Techniques (9 credits minimum)</b>					
NTR 673	Nutrition Research Methodology	3			
Select 6 credits from the following:		6			
NTR 601	Directed Study in Nutrition				
NTR 623	Current Trends in Nutrition				
NTR 653	Problems in Food and Nutrition				
NTR 670	Research Skill Development				
<b>Electives (7 credits minimum)</b>					
Select one 3-credit course from other NTR courses at the 500- or 600-level <sup>2</sup>		3			
Select at least 4 credits from other 500- or 600-level NTR courses or other graduate-level courses <sup>3</sup>		4			
<b>Thesis (Capstone Experience) (6 credits)</b>					
NTR 699	Thesis	6			
<b>Total Credit Hours</b>		<b>37</b>			
<hr/>					
1 2 credits total in NTR 609A are required.					
2 With approval of the Graduate Advisory Committee.					
3 As approved by the student's thesis committee.					
<b>Non-Thesis Option</b>					
<b>Required:</b> 40 credit hours minimum					
At least 26 credits must be in 600-level courses. The minimum requirements include:					
Code	Title	Credit Hours			
<b>Required Core (14 credits)</b>					
NTR 609A	Seminar in Nutrition	1			
NTR 609B	Seminar in Nutrition	2			
NTR 625	Gene Expression and Protein Metabolism	2			
NTR 626	Energy, Carbohydrate, Lipid Metabolism	2			
NTR 627	Antioxidants and Bioactive Food Components	2			
NTR 628	Vitamins and Minerals	2			
Select one course (3 credits) from the following:		3			
ERM 680	Intermediate Statistical Methods in Education				
HEA 604	Quantitative Methods				
STA 661	Advanced Statistics in the Behavioral and Biological Sciences I				
<b>Research Techniques (6 credits minimum)</b>					
<hr/>					
<b>Electives</b>					
Select at least 20 credits from other 500-or 600-level NTR courses or other graduate-level courses as approved by the Graduate Advisory Committee. 15 elective credits will come from the DI course requirements for those students who are completing the Dietetic Internship requirements as part of their graduate program of study.					
<b>Comprehensive Examination</b>					
The written examination is offered at specific times each year. Please consult with the Graduate Program Director for the exam date.					
<b>Dietetic Internship Concentration</b>					
<b>Required:</b> 38 credit hours					
<b>Year One</b>					
<b>Fall</b>					
NTR 609A	Seminar in Nutrition				1
NTR 607	Nutrition Education				3
NTR 676	Nutrition and Physical Performance				3
HEA 604	Quantitative Methods				3
			<b>Credit Hours</b>		10
<b>Spring</b>					
NTR 609B	Seminar in Nutrition				2
NTR 601	Directed Study in Nutrition				2
NTR 623	Current Trends in Nutrition				3
Select one course (3 credits) of electives *					3
			<b>Credit Hours</b>		10
<b>Year Two</b>					
<b>Fall</b>					
NTR 602	Supervised Preparation for Professional and Community Engagement				3
NTR 624	Supervised Preparation for Culinary Medicine				3
NTR 693	Supervised Preparation for Practicum in Clinical Dietetics				3
			<b>Credit Hours</b>		9
<b>Spring</b>					
NTR 606A	Practicum in Clinical Dietetics				3
NTR 606B	Practicum in Clinical Dietetics				3
NTR 606C	Practicum in Clinical Dietetics				3
			<b>Credit Hours</b>		9
			<b>Total Credit Hours</b>		38
<hr/>					
* From graduate-level courses in Health Administration, Public Health, Gerontology, Sustainability (GES 662 Sustainability), or Business.					

### Completion Requirements for Awarding a Verification Statement

Upon completion of all requirements of the M.S. Nutrition, Dietetic Internship Concentration program and graduation clearance from the Graduate School, each intern will be issued an official Verification Statement by the Dietetic Internship Director and will earn eligibility to sit for the national credentialing examination for Registered Dietitian Nutritionist.

## Nutrition, Ph.D.

The Ph.D. in Nutrition requires a minimum of 61 credit hours. The focus of the doctoral program is the development of critical thinking, problem solving, communication, and organizational skills and the application of these skills to a nutrition-related research problem. The research goal of the department is to optimize human health. This is done through a wide variety of research approaches. Program strengths include nutritional assessment and intervention, nutritional biochemistry, molecular roles of nutrients, nutrition and disease, community nutrition, nutrition education, and life-span nutrition. Graduates of the doctoral program are prepared for careers in research, teaching at the college or university level, consulting, and management.

At least 75% of all course work, exclusive of dissertation credits, must be at the 600 or 700 level. Students entering the Ph.D. program with a M.S. degree may be granted a waiver for some requirements if they have successfully completed equivalent course work. This decision will be made after evaluation by the student's major advisor and the doctoral Advisory/Dissertation Committee.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a letter of intent that includes research and professional objectives and that identifies faculty with research interests most central to student research and career interests.

While the Ph.D. program primarily admits students with a master's degree, the graduate committee will consider baccalaureate students with exceptional academic and undergraduate research experiences.

## Degree Program Requirements

**Required:** 61-67 credit hours

Code	Title	Credit Hours	
<b>Required Core Courses (14 credits)</b>			
NTR 709A	Seminar in Nutrition <sup>1</sup>	4	
NTR 709B	Seminar in Nutrition	2	
NTR 725	Gene Expression and Protein Metabolism	2	
NTR 726	Energy, Carbohydrate, Lipid Metabolism	2	
NTR 727	Antioxidants and Bioactive Food Components	2	
NTR 728	Vitamins and Minerals	2	
<b>Research Techniques (21 credits minimum)</b>			
NTR 773	Nutrition Research Methodology	3	
Select a minimum of one statistics course (3-4 credits) <sup>2</sup>		3-4	
Select two or three additional courses (8 credits minimum) for developing technical competency to enhance research skills and competitiveness <sup>2</sup>		8	
Select at least 6 credits from one or more of the following:		6	
<b>Electives (8 credits minimum)</b>			
NTR 701	Directed Study in Nutrition		
NTR 723	Current Trends in Nutrition		
NTR 753	Problems in Food and Nutrition		
NTR 770	Research Skill Development		
<b>Research and Dissertation (18-24 credits)</b>			
Select 6 credits from other NTR courses at the 500-700 level <sup>2</sup>		6	
Select 2 credits minimum from NTR or a supporting program at the 500-700 level <sup>2</sup>		2	
<b>Total Credit Hours</b>			
			<b>61-67</b>

<sup>1</sup> 4 credits total in NTR 709A are required.

<sup>2</sup> With approval of the Advisory/Dissertation Committee.

<sup>3</sup> A minimum of 12 dissertation credits (NTR 799) are required.

### Comprehensive Examination

The student will consult with his/her Advisory/Dissertation Committee about the specific format of the written and oral sections of this examination.

### For Students Who Completed their M.S. at UNC Greensboro

Students who have completed their M.S. degree in the Department of Nutrition at UNC Greensboro will have already completed the majority of the Required Core Courses, Nutrition Research Methodology, and at least one statistics course. Therefore, their program of study will include primarily Research Techniques credits and Research and Dissertation credits. Credit received for courses taken as part of the M.S. degree cannot be counted towards the Ph.D. degree. The majority of credit hours must be at the 600-700 level. The minimum course work is shown below.

Code	Title	Credit Hours
<b>Required Core Courses (4 credits)</b>		
NTR 709A	Seminar in Nutrition <sup>1</sup>	1
NTR 709B	Seminar in Nutrition	2
<b>Research Techniques (14 credits)</b>		
Select a minimum of 14 credits from the following:		14
NTR 701	Directed Study in Nutrition	
NTR 723	Current Trends in Nutrition	
NTR 753	Problems in Food and Nutrition	
NTR 770	Research Skill Development	
Statistics courses		
<b>Electives (8 credits)</b>		
Select 6 credits from other NTR courses at the 500-700 level <sup>2</sup>		6
Select 2 credits minimum from NTR or a supporting program at the 500-700 level <sup>2</sup>		2
<b>Research and Dissertation (18-24 credits)</b>		
NTR 790	Doctoral Research	6
NTR 799	Dissertation Problem <sup>3</sup>	12-18
<b>Total Credit Hours</b>		
		<b>44-50</b>

<sup>1</sup> 2 credits total of NTR 709A are required.

<sup>2</sup> With the approval of the Advisory/Dissertation Committee.

<sup>3</sup> A minimum of 12 dissertation credits (NTR 799) are required.

## Dietetic Internship, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Dietetic Internship requires 18 credit hours. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of the Graduate School.

The Dietetic Internship at UNC Greensboro is currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). ACEND is a specialized accrediting body of the Academy of Nutrition and Dietetics with oversight by the United States Department of Education.

ACEND  
120 South Riverside Plaza  
Suite 2000  
Chicago, IL 60606-6995  
(800) 877-0877, ext. 5400

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The certificate program for the Dietetic Internship is designed for students with a bachelor's degree from an accredited college or university who have completed the Didactic Program in Dietetics (DPD), as required by The Academy of Nutrition and Dietetics, and wish to become eligible to take the national registration examination to become a registered dietitian nutritionist (RDN). To be eligible for the Dietetic Internship, completion of the DPD program must be within five years of application to the internship.

Varied work experiences in dietetics and/or food service management are preferred. The selection process is very competitive. Due to the limited number of placements that can be made for a given year, not all applicants who meet the minimum requirements may be selected.

A separate application to the DI program is required and students must apply to such programs following the computer matching application process. After selection into the program at UNC Greensboro, students must then submit an application to the Graduate School as well as all required application materials. In addition to these materials, applicants must provide an DPD Verification Form and a personal essay stating their interests and experience in dietetics.

A limited number of positions in the DI program are set aside for graduate students who wish to complete both the graduate degree and DI program. Students who are eligible for these positions must complete the application form but do not have to participate in the computer matching process. Students interested in this option must contact the Director of the Dietetic Internship at UNC Greensboro for more information.

## Certificate Program Requirements

**Required:** 18 credit hours

Code	Title	Credit Hours
<b>Required Courses (18 credits)</b>		
NTR 602	Supervised Preparation for Professional and Community Engagement	3
NTR 624	Supervised Preparation for Culinary Medicine	3
NTR 693	Supervised Preparation for Practicum in Clinical Dietetics	3
NTR 606A	Practicum in Clinical Dietetics *	3
NTR 606B	Practicum in Clinical Dietetics *	3
NTR 606C	Practicum in Clinical Dietetics *	3
<b>Total Credit Hours</b>		<b>18</b>

\* NTR 602, NTR 624, and NTR 693 must be completed with a grade of B or better prior to enrollment in these courses.

## Additional Information

Students will receive a certificate from the Graduate School upon completion of the required course of study and are eligible to take the national certification examination for the credential of Registered Dietitian.

# Peace and Conflict Studies

School of Health and Human Sciences

1510 Walker Ave., 4th Floor  
336-334-4781  
<http://pacs.uncg.edu>

**Douglas Fry, Department Chair**  
**Jeremy Rinker, Director of Undergraduate Studies**  
**Marcia Hale, Graduate Program Director**

## About

The Department of Peace and Conflict Studies takes a dynamic and interdisciplinary approach to the study of peace and the practice of conflict management, resolution, and transformation. Undergraduates in this field of study will gain an understanding of peace science and peace scholarship while actively engaged in their communities proactively transforming conflict.

## Online Options

### Undergraduate

Students may complete a PCS major or minor completely online. The curriculum is identical in content and focus with the residential program; courses are usually offered simultaneously in residential and online formats. For more information, visit <http://pacs.uncg.edu>.

### Graduate

Both the certificate program and the master's program are available online; all web-based courses run parallel to residential courses on campus and the curriculum is identical. Online classes are conducted asynchronously via web connection. Lectures, discussions, assignments, supplementary materials, feedback, and assessments are accessed online. See the program website for more information.

### Professor

Douglas P Fry  
Emily M. Janke<sup>G</sup>

### Academic Professional Professor

Genevieve Souillac

### Associate Professor

Ali Askerov<sup>G</sup>  
Jeremy A. Rinker<sup>G</sup>

### Assistant Professor

Marcia R Hale

### Lecturer

Charles A. Egerton  
Elizabeth Lackey<sup>G</sup>  
Barbara Timmons Strahl<sup>G</sup>

<sup>G</sup> Graduate-level faculty

- Peace and Conflict Studies, B.A. (p. 717)
- Forced Migration and Resettlement Studies Undergraduate Minor (p. 718)
- Peace and Conflict Studies Undergraduate Minor (p. 718)

- Peace and Conflict Studies, M.A. (p. 718)
- Peace and Conflict Studies, Post-Baccalaureate Certificate (p. 719)

## Peace and Conflict Studies, B.A.

### Overall Requirements

- 120 credit hours, and at least 36 credits at or above the 300 course level

### Degree Program Requirements

Code	Title	Credit Hours
	University Requirements (p. 849)	
	General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)	

### Major Requirements

Code	Title	Credit Hours
	<b>Required</b>	16
PCS 305	Foundations of Peace and Conflict Studies	
PCS 308	Working through Interpersonal Conflicts	
PCS 309	Conflict and Culture	
PCS 416	Practicum I	
PCS 420	Senior Seminar	
	<b>Electives</b>	15
	Select an additional 15 credits from Peace and Conflict Studies (PCS) courses	

### Electives

Electives sufficient to complete 120 total credit hours required for the degree.

### Disciplinary Honors in Peace and Conflict Studies

#### Requirements

- A minimum of 12 credit hours as defined below.
- Overall GPA of 3.5 or higher at graduation.

Code	Title	Credit Hours
	<b>Required</b>	12
PCS 309	Conflict and Culture	
PCS 311	Conflict Research	
HSS 490	Senior Honors Project	
	400-level PCS course	

### Recognition

Receive a Certificate of Disciplinary Honors in Peace and Conflict Studies; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Jeremy Rinker at [jarinker@uncg.edu](mailto:jarinker@uncg.edu) or 336-334-4781 for further information and guidance about Honors in Peace and Conflict Studies. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

# Forced Migration and Resettlement Studies Undergraduate Minor

There are nearly 80 million forcibly displaced individuals in the world, a staggering figure which does not include all of the many millions forced from their homes for reasons other than conflict and persecution. At UNCG, we are uniquely located to understand and explore these experiences. Greensboro is a refugee and immigrant resettlement hub: 13% of our population is foreign born (U.S. Census Bureau, 2018) and over 150 languages are spoken here. Additionally, Greensboro's history of refugee and im/migrant resettlement has precipitated the creation of a vast infrastructure of refugee and im/migrant support networks, service providers, and organizations. In this minor, students will learn about the reasons for and experiences of forced migration and resettlement. Students will also engage with forcibly displaced individuals in our local community. Additionally, because of the presence of the Center for New North Carolinians on campus, students will take a practicum that will allow them to immerse themselves in refugee/migrant/asylum seeker support history, networks, and service-providers as well as engage in the work of promoting access and integration for refugees through community engaged learning, service, and research.

## Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
<b>Required</b>		
PCS 112	Introduction to Peace and Conflict Studies	
PCS 305	Foundations of Peace and Conflict Studies	
PCS 308	Working through Interpersonal Conflicts	
<b>Select a minimum of 6 credits of the following:</b> *		
PCS 205	Violence in the Modern World	
PCS 215	Conflict Transformation	
PCS 218	Managing Conflict in Professional Contexts	
PCS 309	Conflict and Culture	
PCS 311	Conflict Research	
PCS 415	Global Peacebuilding	
PCS 416	Practicum I	
PCS 420	Senior Seminar	

Code	Title	Credit Hours
<b>Required</b>		
PCS 112	Introduction to Peace and Conflict Studies	
PCS 305	Foundations of Peace and Conflict Studies	
PCS 308	Working through Interpersonal Conflicts	
<b>Select a minimum of 6 credits of the following:</b> *		
PCS 205	Violence in the Modern World	
PCS 215	Conflict Transformation	
PCS 218	Managing Conflict in Professional Contexts	
PCS 309	Conflict and Culture	
PCS 311	Conflict Research	
PCS 415	Global Peacebuilding	
PCS 416	Practicum I	
PCS 420	Senior Seminar	

\* Or 400-level PCS electives.

## Peace and Conflict Studies, M.A.

The M.A. in Peace and Conflict Studies is dedicated to providing high quality, professional training in multiple conflict intervention and prevention skills such as mediation, negotiation, facilitation, restorative practices, violence prevention, and collaborative problem solving. Students engage in community-based learning through a variety of courses to build practice, intervention, and research skills. The program focuses on pragmatic approaches to solving personal and social problems in a variety of social settings. Students are exposed to an array of techniques and strategies to achieve nonviolent solutions to conflict that arises in diverse family, organizational and community environments.

The program promotes a systemic and critical perspective to the challenges facing individuals, families, organizations and communities in both a global and local analytical and practical perspective. With an interdisciplinary commitment to social justice and human rights, we train professionals to seek collaborative, constructive and conciliatory methods for resolving human conflict. Our goal is to mold reflective conflict professionals—practitioners with a critical understanding of theory, research and a range of methods, local and global perspectives, and an appreciation of diversity, peace development and social justice.

The M.A. in Peace and Conflict Studies requires completion of 33 credit hours for the online Transformative Peace and Conflict Concentration and 30 credit hours for the campus-based Sustainable Peace and Justice Concentration. The Sustainable Peace and Justice Concentration offers both Practicum and Thesis options (see the Requirements section for more details on the concentrations). Flexible concentrations allow students of all ages, job requirements, technology, and delivery needs to participate in the learning process. Online classes are asynchronous and do not require specific meeting times. Face-to-face courses are typically offered in the evenings to meet the needs and schedules of working adults.

For more information, visit <http://pacs.uncg.edu> or email the Graduate Program Director, Dr. Marcia Hale, [mrhale@uncg.edu](mailto:mrhale@uncg.edu).

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

# Peace and Conflict Studies Undergraduate Minor

## Program Requirements

- Minimum of 15 credit hours

Students, in consultation with a Peace and Conflict Studies advisor, plan a minor that fits their professional and educational goals from the course options below.

In addition to the application material required by the Graduate School, applicants must submit a personal essay on their interest and expectations of the M.A. in Peace and Conflict Studies and may be asked to complete an interview with members of the admissions committee.

## Degree Program Requirements Sustainable Peace and Justice Concentration

**Required:** 30 credit hours

### Thesis Option

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
PCS 621	Critical Foundations of Peace and Conflict Studies	3
PCS 622	Skills in Transformative Conflict	3
PCS 623	Community and Action Research	3
PCS 624	Peace and Justice in a Changing Climate	3
<b>Electives (12-15 credits)</b>		
Select 12-15 credits of electives from graduate-level PCS courses *		
12-15		
<b>Thesis (Capstone Experience (3-6 credits)</b>		
PCS 699	Thesis	3-6
<b>Total Credit Hours</b>		<b>30</b>

\* Students may select one course (3 credits) outside of PCS that fits their area of study in consultation with the Graduate Program Director. Students may select one online PCS graduate course as one of their electives.

### Practicum Option

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
PCS 621	Critical Foundations of Peace and Conflict Studies	3
PCS 622	Skills in Transformative Conflict	3
PCS 623	Community and Action Research	3
PCS 624	Peace and Justice in a Changing Climate	3
<b>Electives (15 credits)</b>		
Select 15 credits of electives from graduate-level PCS courses *		
15		
<b>Practicum (Capstone Experience (3 credits)</b>		
PCS 690	Integrated Practicum: Professional Development Project	3
<b>Total Credit Hours</b>		<b>30</b>

\* Students may select one course (3 credits) outside of PCS that fits their area of study in consultation with the Graduate Program Director. Students may select one online PCS graduate course as one of their electives.

## Transformative Peace and Conflict Concentration

**Required:** 33 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
PCS 600	Transforming Conflict: Histories and Theories	3
PCS 601	Indigenous Peace Practices	3
PCS 605	Skills and Techniques of Conflict Management	3

PCS 607	Conflict Analysis: Theories of Change	3
<b>Electives (18 credits)</b>		
Select 18 credits of electives from graduate-level PCS courses *		18
<b>Practicum (Capstone Experience) (3 credits)</b>		
PCS 690	Integrated Practicum: Professional Development Project	3

**Total Credit Hours** **33**

\* Students may select one course (3 credits) outside of PCS that fits their area of study in consultation with the Graduate Program Director.

## Peace and Conflict Studies, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Peace and Conflict Studies prepares students for the changing nature of professional development, organizational knowledge and change through scholarship and research. The certificate program can be beneficial to those who have already received a graduate degree in their current area but would like to specialize in conflict management. It is also appropriate for those who possess an undergraduate degree and are seeking to obtain broad knowledge of the conflict and peace studies field or for professionals who have already earned a graduate degree in their professional field and would benefit from research and theory and additional practice skills in a range of conflict studies.

The certificate requires 12 credit hours. A maximum of 4 credits from graduate courses taken in or transferred from other programs may be applied to the requirements of the certificate program upon the approval of the Graduate Program Director and in accordance with policies of the Graduate School. Courses taken for the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
PCS 600	Transforming Conflict: Histories and Theories	3
PCS 605	Skills and Techniques of Conflict Management	3
PCS 607	Conflict Analysis: Theories of Change	3
PCS 608	Topics in Peace and Conflict Studies	3

**Total Credit Hours** **12**

# Public Health Education

*School of Health and Human Sciences*

437 Coleman Building

336-334-5532

<http://hhs.uncg.edu/phe> (<http://hhs.uncg.edu/phe/>)

**Robert Strack, Department Chair**

**Christina Yongue, Director of Undergraduate Studies**

**Jeff Milroy, Graduate Program Director**

## Mission

The mission of the Department of Public Health Education is to promote health by supporting the learning, decision-making and capacity of individuals, groups, and communities. In collaboration with Piedmont Triad community organizations, the department prepares professional health educators and advances public health practice and knowledge.

### Professor

Sharon D. Morrison<sup>G</sup>

Michael A. Perko<sup>G</sup>

Paige Hall Smith<sup>G</sup>

Robert W. Strack<sup>G</sup>

Amanda E Tanner<sup>G</sup>

David L. Wyrrick<sup>G</sup>

### Academic Professional Professor

Regina Lynette McCoy<sup>G</sup>

### Associate Professor

Sandra E Echeverria<sup>G</sup>

Jennifer Toller Erazquin<sup>G</sup>

Jeff John Milroy<sup>G</sup>

Erica Payton Foh<sup>G</sup>

Jeannette Wade

### Academic Professional Associate Professor

Stefanie Smith Milroy

Christina Michelle Yongue

### Assistant Professor

Tamar Shoshana Goldenberg<sup>G</sup>

Michelle Y. Martin Romero<sup>G</sup>

Carrie M Rosario<sup>G</sup>

### Academic Professional Assistant Professor

Suzanne Alexander Hunt

Andrea Aliece Lewis

Amelia Dare Stevens Mattocks

### Lecturer

Emily Rebecca Beamon

Aleyah Nichelle Brown

Sheryl L Coley

allyson Lynn Kelley

Deirdre Lynnett Moyer

Muhsin Michael Orsini<sup>G</sup>

### G Graduate-level faculty

- Public Health Education, B.S. (p. 720)

- Community Health Education, M.P.H. (p. 723)

- Community Health Education, Ph.D. (p. 724)
- Health and Wellness Coaching, Post-Baccalaureate Certificate (p. 725)
- Workplace Wellness, Post-Baccalaureate Certificate (p. 725)

## Public Health Education, B.S.

The Department of Public Health Education offers the Bachelor of Science (B.S.) degree in Public Health Education major with a concentration in Community Health Education or Health Studies (an online degree program). Both concentrations provide a foundation in the core areas of public health including: social and behavioral sciences, epidemiology, public health statistics, and health policy and administration. Only students in the Community Health Education concentration are eligible candidates for national credentialing as a Certified Health Education Specialist (CHES.). The Health Studies Online concentration is an online option available for second-degree seeking students looking for a non-professional degree to complement their current professional or career experiences.

### Community Health Education Concentration

Increasing national interest in health and health promotion attracts students to the undergraduate degree program in Community Health Education. The concentration provides field experiences in public and private agencies as part of the professional preparation program. Students are prepared to design and implement health promotion programs in the community. Graduates have careers in national, state, and local health agencies, health and human services organizations, and business and industry; and many continue on into graduate study.

### Health Studies Online Concentration

The program leading to the Bachelor of Science in Public Health, Health Studies Online concentration, is designed to prepare individuals for positions in health-related fields and provide a base for graduate study. The Health Studies Online concentration will allow time and location bound students to complete an undergraduate degree without relocating to the UNC Greensboro campus. Our graduates, like other graduates in general education programs, are competitive in the job market for careers in administration, education, health sciences, human relations, and public service, and in other governmental, community-based and/or nonprofit settings.

Students requesting admission to the Health Studies Online concentration may apply to the major only after earning a prior degree (A.A., A.S., B.A., B.S., or equivalent; an A.A.S. is not an equivalent option) from an accredited college or university and completion of courses that satisfy General Education requirements.

## Criteria for Admission to the Public Health Education Major

Before the registration window opens, students must declare their major as Public Health Education (PUBH) through the University Registrar's Office, and select a concentration, either Community Health Education (COHE) or Health Studies Online (HEST).

Only students who have their major officially declared as PUBH major will be permitted to register in upper level public health education (HEA) courses, typically completed in the junior and senior years. Additionally, only students who have selected either COHE or HEST as their concentration, will be allowed to register for concentration-restricted course sections.

Note: All HEST concentration prerequisite courses may not be online. Therefore, meeting with an admissions counselor or advisor prior to transferring or changing your major concentration is necessary to understand how to complete concentration program requirements.

## Health Studies Online Admission Requirements

### Minimum Criteria for Admission to the Health Studies Online Concentration

#### Prior degree

Students requesting admission to the Health Studies Online concentration may declare this concentration only after earning a prior degree (A.A., A.S., B.A., B.S., or equivalent; A.A.S. does not count as an equivalent) from an accredited college or university and completion of courses that satisfy General Education requirements.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- Students must continue to maintain the cumulative GPA requirement of 2.50 to progress and graduate. Students who drop below a 2.50 overall GPA will be dropped from the program.
- No HEA course or health-related area course for which a grade of C or better is required for the major may be taken more than twice (a C- is not acceptable). Students who receive a grade below C twice in the same HEA course or health related area course required for the major will be dropped from the major.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Select one of the concentrations as detailed following the major requirements.

- Community Health Education
- Health Studies Online

## Electives

Electives sufficient to complete the 120 credit hours required for degree.

### Community Health Education Concentration Requirements

#### Graduation Requirements for the Concentration

- A grade of C (2.0) or better in all required HEA courses and health related courses.
- Overall GPA of 2.50
- Completion of all other requirements as described for degree and major (students may still be required to complete free elective credit hours to meet university degree requirements).

Code	Title	Credit Hours
Required		57

HEA 308 Introduction to Public Health

HEA 312	Public Health and Healthcare Systems in the US
HEA 314	Public Health Diseases
HEA 315	Epidemiology
HEA 316	Environmental Health
HEA 325	Public Health Data Analysis
HEA 339	Introduction to Public Health Education Practice
HEA 340	Community Observation and Assessment
HEA 366	Community Health Interventions I
HEA 405	Program Planning and Evaluation
HEA 426	Internship Planning
HEA 428	Health Education Internship (Fieldwork IV and Seminar) (Fieldwork IV and Seminar)
HEA 466	Community Health Interventions II

*Select 12 credits of the following:*

HEA 113	Medical Terminology for Public Health Professionals
HEA 201	Personal Health
HEA 202	Introduction to Peer Health Education
HEA 203	Peer Health Education: Selected Topics
HEA 231	Athlete Health and Sport Performance
HEA 260	Human Sexuality
ENT 307	Global Health
HEA 310	Mental Health and Well-Being
HEA 331	Alcohol, Tobacco, and Other Drugs
HEA 334	Community Health
HEA 350	Race, Ethnicity, and Health
HEA 433	Gender and Health
HEA 447	Income, Social Status, and Health
HEA 450	Current Health Problems
HEA 471	Immigrant and Refugee Health
HEA 475	Independent Study

**Related Area Requirements** 18-19

#### Human Anatomy & Physiology

*Select one option of the following:*

Option A:	
HEA 213	Human Body Systems: Anatomy and Physiology for the Public Health Professional
Option B:	
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory
Option C:	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory
Option D:	
KIN 291 & 291L	Clinical Human Anatomy and Clinical Human Anatomy Laboratory
Option E:	
KIN 292 & 292L	Clinical Human Physiology and Clinical Human Physiology Laboratory

#### Communication Studies

CST 105 Introduction to Communication Studies  
or CST 341 Communication and Workplace Relationships

#### English

ENG 101	Exploring Writing in College Contexts	NUR 390	Culture and Health Care **
<b>Math</b>		NTR 213	Introductory Nutrition **
MAT 115	College Algebra *	PCS 218	Managing Conflict in Professional Contexts **
or STA 108	Elementary Introduction to Probability and Statistics	PHI 220	Medical Ethics **
or MAT 150	Precalculus I	SOC 327	Race and Ethnic Relations **
<b>Nutrition</b>		WGS 250	An Introduction to Women's, Gender and Sexuality Studies **
NTR 213	Introductory Nutrition		
<b>Social Science</b>			
PSY 121	General Psychology		<b>Related Area Requirements</b>
or SOC 101	Introduction to Sociology		18-19

\* Or a higher level mathematics course.

## Health Studies Online Concentration Requirements

### Graduation Requirements for the Concentration

- A grade of C (2.0) or better in all required HEA courses and health related courses.
- Overall GPA of 2.50
- Completion of all other requirements as described for degree and major (students may still be required to complete free elective credit hours to meet university degree requirements).

Code	Title	Credit Hours
<b>Required</b>		
HEA 308	Introduction to Public Health	51
HEA 312	Public Health and Healthcare Systems in the US	
HEA 314	Public Health Diseases	
HEA 315	Epidemiology	
HEA 316	Environmental Health	
HEA 325	Public Health Data Analysis	
HEA 350	Race, Ethnicity, and Health	
HEA 433	Gender and Health	
HEA 447	Income, Social Status, and Health	
HEA 490	Capstone Experience	
<i>Select 18 credits of the following:</i> *		
HEA 113	Medical Terminology for Public Health Professionals	
HEA 201	Personal Health	
HEA 260	Human Sexuality	
HEA 307	Global Health	
HEA 310	Mental Health and Well-Being	
HEA 331	Alcohol, Tobacco, and Other Drugs	
HEA 334	Community Health	
HEA 412	Community Health Organizations	
HEA 450	Current Health Problems	
HEA 470	Adolescent Health	
HEA 471	Immigrant and Refugee Health	
HEA 475	Independent Study	
HDF 112	Families and Close Relationships **	
HDF 202	Infant and Child Development **	
KIN 220	Lifetime Wellness **	
MGT 300	Management of Organizations **	
MGT 312	Organizational Behavior **	
<b>Communication Studies</b>		
CST 105	Introduction to Communication Studies	
or CST 341	Communication and Workplace Relationships	
<b>English</b>		
ENG 101	Exploring Writing in College Contexts	
<b>Information Systems</b>		
ISM 110	Foundations for Analytics using Spreadsheets	
<b>Math</b>		
MAT 115	College Algebra <sup>1</sup>	
or STA 108	Elementary Introduction to Probability and Statistics	
or MAT 150	Precalculus I	
<b>Social Science</b>		
PSY 121	General Psychology	
or SOC 101	Introduction to Sociology	

\* A minimum of 12 credits must have an HEA prefix.

\*\* A maximum of 6 credits may be selected from these courses.

<sup>1</sup> Or a higher level mathematics course.

## Disciplinary Honors in Public Health Education

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3

<b>6 credits of Honors course work in the major</b>	<b>6</b>
<b>3 credits of Honors course work in the major or another area</b>	<b>3</b>

### Recognition

Receive a Certificate of Disciplinary Honors in Public Health Education; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact phe@uncg.edu for further information and guidance about Honors in Public Health Education. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Community Health Education, M.P.H.

The Master of Public Health requires 45 credit hours and consists of 39 credits of course work and a 6-credit internship/practicum in a community setting. All required courses are offered in the evenings and meet once each week. Students can enroll as a full-time (2 year, 4 courses per week) or part-time (3 year, 2-3 course per week) graduate student. The professional preparation program is for qualified students from a variety of academic and professional backgrounds who are interested in careers that involve the development and management of population-based health promotion and disease prevention activities within communities. The program's approach to professional practice includes reflective practice, a theoretical base, network development, leadership development, and cooperation and collaboration with community health organizations. Throughout the curriculum, special attention is given to community involvement, effective communication, and uses of technology. The curriculum emphasizes the application of health education skills and knowledge with a variety of community populations, as well as the practical application of research findings to health problems and includes preparation in the core areas of public health. Special attention is also given to community engagement, social justice, and the root causes of health within society. The degree program prepares graduates for careers in public health and health care settings at local, state, regional, or national levels.

The M.P.H. program is accredited by the Council on Education for Public Health (CEPH) and the professional requirements are based on the CEPH accreditation and the professional responsibility areas and recommendations of the Joint Commission of the Society of Public Health and the American Association for Health Education. Graduates of the program are eligible to sit for the national Health Education Specialist credentialing exam for the profession and become a Certified Health Education Specialist (CHES), or with a qualifying experience, a Master's Certified Health Education Specialist (MCHES). Students are also eligible to sit for the national exam to become Certified in Public Health (CPH) credential. By the end of the program students will have preparation in the Core Areas of Public Health and in the Seven Areas of Responsibility for Health Education Specialists (assessment, program planning, implementation, evaluation, administration and management, resource, and communication and advocacy).

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the minimum admission materials required by the Graduate School, applicants should submit:

- A resume.
- A one-page statement of professional goals as related to the M.P.H. program. In your statement, include consideration of:
  - How the program will help advance your personal and career goals.
  - How you became interested in pursuing a career in public health generally and in community health specifically.
  - How your volunteer, educational, work, and/or personal experiences led to your decision to pursue a career in public health.
  - What specific areas of public health and community health education you are interested in.
  - What your vision is for your future career in public health or community health education.
  - Why you are interested in the M.P.H. program at UNC Greensboro.
- Three letters of recommendation. Your reference providers are required to write a letter on your behalf in addition to filling out the required form. We also recommend that at least one of your letters of recommendation come from a professor or course instructor.

Applicants can enroll as either full-time or part-time students. All required courses except the internship are offered in the evenings. Full-time students are expected to take four courses each fall and spring semester for two years. Part-time students usually take two courses each fall and spring semester, and one course each summer, over three years.

## Degree Program Requirements

**Required:** 45 credit hours

Code	Title	Credit Hours
<b>Core Courses (21 credits)</b>		
HEA 601	Foundations of Public Health	3
HEA 602	Epidemiology Methods	3
HEA 604	Quantitative Methods	3
HEA 607	Determinants of Health	3
HEA 619	Systems, Leadership, and Policy I	3
HEA 624	Systems, Leadership, and Policy II	3
HEA 621	Public Health Theories and Strategies	3
<b>Required Professional Courses (9 credits)</b>		
HEA 618	Assessment and Program Planning I	3
HEA 623	Assessment and Program Planning II	3
HEA 625	Evaluation Methods	3
<b>Electives (9 credits)</b>		
Select three courses (9 credits) of electives *		9
<b>Capstone Experience (6 credits) **</b>		
HEA 650	Community Health Internship/Practicum	6
<b>Total Credit Hours</b>		<b>45</b>

\* Chosen in consultation with the student's advisor.

\*\* In addition to the field-based learning experiences in courses throughout the program, students are required to integrate and synthesize their acquired skills and knowledge in an applied situation that approximates some aspect of professional practice in community health education. This is done through an internship/practicum in a community health

agency. Prior to the internship/practicum, students plan their work in an applied program planning class.

## Community Health Education, Ph.D.

The Ph.D. in Community Health Education is designed to engage doctoral students in an active learning environment that prepares them academically and professionally to conduct significant public health research and advanced practice. Graduates of the doctoral program take roles as researchers, academics, and public health leaders and professionals committed to social change and to facilitating the resolution of public health outcomes important to the community and field. The Ph.D. requires 63 credit hours beyond an appropriate master's degree (90 credit hours without a qualifying master's degree). Students who enter with a master's degree are required to earn a minimum of 48 credits of course work and 15 credits of dissertation work. The department's faculty have a strong base in approaches that embrace the social ecological framework and are committed to community engaged interaction and research.

The educational objectives of the Ph.D. program are to:

- Provide an ecological perspective of health and the related advanced theory important in preparing students for careers in practice-based research.
- Prepare students to function as leaders in community-based prevention research in academic, research, or public health organizations.
- Provide experiences to ground students' research in the problems and issues facing public health education practitioners and policymakers.
- Provide research experiences designed to develop the technical, conceptual, and communications skills required for independent research.

Assessment of courses or experiences applicable to the degree occurs at the time of admission into the program. The student's doctoral program committee will work with each candidate to develop a course of study within the framework of the program and informed by the student's personal interests, past course work, and professional experiences.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the minimum admission materials required by the Graduate School, applicants should submit:

- A statement of purpose, not to exceed two single-spaced pages, that includes:
  - Your research interests, how they developed (including how your volunteer, work, and personal experiences led to your interests), and who on our faculty you would be interested in working with and why.
  - Your career goals.
  - Why UNC Greensboro is a good fit for you and why you are a good fit for UNC Greensboro.
- Three letters of recommendation. Your reference providers are required to write a letter on your behalf in addition to filling out the required form. We also recommend that at least one of your letters of recommendation come from a professor or course instructor.

For best consideration, materials should be provided by December 1, although strong students will be considered on a rolling basis until

the class is filled. Admission is for the Fall only and applicants can be admitted as either full-time or part-time students.

## Degree Program Requirements

**Required:** 63 credit hours (90 credit hours without a qualifying master's degree)

The Ph.D. in Community Health Education requires 63 credit hours beyond an appropriate master's degree (90 credit hours without an accredited M.P.H./M.S. degree or related degree). Students who enter with a master's degree are required to earn a minimum of 48 credits of course work and 15 credits of dissertation work.

Entering doctoral students who have not completed one or more of the **Public Health Core** or **Health Education Core** courses must complete these courses as part of their program in addition to the minimum 63 credit hours (HEA 758 is required for all doctoral students).

Code	Title	Credit Hours
<b>Profession Core (12-30 credits)</b>		
<i>Public Health Core (0-9 credits)<sup>1</sup></i>		
HEA 704	Quantitative Methods	3
HEA 707	Determinants of Health	3
HEA 710	Epidemiology Methods	3
<i>Health Education Core (3-12 credits)<sup>2</sup></i>		
HEA 718	Assessment and Program Planning I	3
HEA 721	Public Health Theories and Strategies	3
HEA 726	Evaluation Methods	3
HEA 758	Advanced Theoretical Basis for Community Health Education <sup>3</sup>	3
<i>Professional Development (12 credits)</i>		
HEA 761	Teaching Practicum in Public Health Education	3
HHS 703	Teaching Undergraduates in Health and Human Services	3
HHS 750	Professional Development Seminar	3
Select at least one course (3 credits) from the following:		
HEA 701	Promoting and Protecting Health through Entrepreneurship	
KIN 798	Doctoral Seminar in Grant Writing	
<b>Research Core (21 credits)</b>		
<i>Foundations (3 credits)</i>		
HEA 751	Foundations of Research for Public Health Education	3
<i>Methods (18 credits)</i>		
HEA 705	Qualitative Methods in Public Health	3
HEA 752	Quantitative Methods in Public Health	3
HEA 765	Advanced Program Evaluation in Public Health Education	3
Select at least three courses (9 credits) from the following: <sup>4</sup>		
CST 602	Engaging Communication Scholarship II	
ELC 764	Introduction to Qualitative Inquiry: A Social Justice Approach	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 750	Case Study Methods in Educational Research	

ERM 768	Survey Research Methods in Education
ERM 780	Intermediate Statistical Methods in Education
ERM 781	Design and Analysis of Educational Experiments
HDF 756	Advanced Research Design in Human Development and Family Studies
HHS 749	Applied Multiple Regression
NUR 701	Statistical Applications for Nursing Research
NUR 702	Statistical Applications for Nursing Research II
NUR 703	Qualitative Methods for Nursing
PSC 503	Survey Methods for Policy Research
PSY 609	Statistical Methods in Psychology I
PSY 610	Statistical Methods in Psychology II
SOC 618	Advanced Data Analysis
STA 645	Nonparametric Statistics
STA 670	Categorical Data Analysis
STA 676	Sample Survey Methods
TED 738	Mixed Methods Research Design in Curriculum and Instruction

**Electives (15 credits)**Select 15 credits from the following:<sup>5</sup> 15

HEA 712	Management of Community Health Organizations
HEA 722	Social Epidemiology
HEA 725	Advanced Community Health Projects
HEA 735	Topics in Community Health Research
HEA 740	Global Health Issues
HEA 762	Gender and Health
HEA 776	Problems Seminar
ERM 767	Foundations of Educational Measurement Theory
KIN 745	Social Psychology and Physical Activity
PSC 620	Urban and Regional Development Policy

**Dissertation (12 credits)**

HEA 799	Dissertation	12
<b>Total Credit Hours</b>		<b>63</b>

<sup>1</sup> *Public Health Core* courses may be waived with an accredited M.P.H./M.S. degree or related degree.

<sup>2</sup> HEA 718, HEA 721, and HEA 726 may be waived with an accredited M.P.H./M.S. in Health Education or Health Education-related degree. HEA 758 is a required course for the **Health Education Core**.

<sup>3</sup> HEA 758 is required for all doctoral students.

<sup>4</sup> Students should work with their advisor and committee to select course work complementary of expected dissertation method needs. Additional methods courses taken beyond the required courses may count as part of elective requirements.

<sup>5</sup> The list provides examples of possible electives. Elective choices should be made under the advisement of the student's doctoral program committee. A minimum of 6 credits of HEA courses is required. Additional methods or professional development courses taken above those required may be counted toward elective requirements.

## Health and Wellness Coaching, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Health and Wellness Coaching prepares students for effective professional practice and the eligibility to apply for a national certifying exam to become a certified health and wellness coach.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

### Certificate Program Requirements

**Required:** 9 credit hours

Students complete at least 9 credits during a two-year period of time to earn the certificate, but can be sequenced for completion in two semesters (Fall/Spring). Academic credit generated in the certificate program may be used to meet requirements in another graduate degree program in accordance with the policies of The Graduate School. Students in the certificate program will be required to complete a minimum of three core courses to meet our educational and field experience.

Code	Title	Credit Hours
<b>Core Courses (9 credits)</b>		
HEA 630	Foundations of Health Coaching	3
HEA 725	Advanced Community Health Projects	3
CED 610	Helping Relationships	3
<b>Total Credit Hours</b>		<b>9</b>

## Workplace Wellness, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Workplace Wellness prepares individuals to work with employers, policy-makers, or brokers/consultants to improve the health and well-being of employees.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Bachelor's degree in a health-, business-, or social science-related program, or concurrent enrollment in similar graduate program.

### Certificate Program Requirements

**Required:** 9-12 credit hours

Code	Title	Credit Hours
<b>Foundation Courses (6 credits)</b>		
HEA 616	Workplace Health Promotion	3
HEA 716	Promoting Worker and Workplace Health and Safety	3
<b>Practicum Course (3-6 credits)</b>		
Select one course (3-6 credits) from the following:		3-6
HEA 717	Practicum in Workplace Wellness	
HEA 650	Community Health Internship/Practicum *	
GRO 679	Integrated Capstone in Gerontology *	

IAR 602	Advanced Interior Architecture III *
NTR 606C	Practicum in Clinical Dietetics *
<b>Total Credit Hours</b>	<b>9-12</b>

\* With approval of the Program Director.

# Social Work

*School of Health and Human Sciences*

268 Stone  
336-334-5147  
<http://hhs.uncg.edu/swk> (<http://hhs.uncg.edu/swk/>)

**Yarneccia Dyson, Department Chair**

**Daniel Rhodes, Director of Undergraduate Studies**

**Jeffrey Shears, Graduate Program Director, Joint M.S.W.**

**Jay Poole, Graduate Program Director, Joint Ph.D.**

## Mission of the Department of Social Work

The mission of the UNC Greensboro B.S.W. Program is to prepare culturally competent, ethical social workers who embody the core social work values as described in the National Association of Social Workers Code of Ethics. These core values include; service, social justice, the dignity and worth of the person, the importance of human relationship, integrity, competence, human rights, and scientific inquiry. Human rights and social justice are key components of what social workers do, and an important part of our mission is for students to apply these values and ethics in their social work practice. We prepare students to engage with others at the intersection of culture, race, gender, and class, to promote healthy functioning for individuals, families, groups, organizations, and communities. Our goal is the transformation of personal history into professional identity through mentoring, teaching, research, and our signature pedagogy – field education. Faculty promote social, economic, and environmental justice through research, engaged scholarship, and collaboration with social services agencies. Learning takes place within an intentional, collaborative community that respects and embraces diversity and promotes inclusion

## Department Goals

1. Prepare graduate and undergraduate students to become competent, engaged social workers who demonstrate the knowledge, ethics, values, and skills of the profession.
2. Prepare graduates to work effectively with diverse and marginalized people.
3. Prepare students to facilitate inclusion at all systems levels—individual, family, group, organization, community, and policy.
4. Create a learning community that respects diversity and encourages the exploration of difference.
5. Increase engagement with social service agencies and other community institutions to promote social change.
6. Conduct change-oriented research to promote social and economic justice.

## Mission of the Bachelor of Social Work Program

Our mission is to prepare competent, ethical social workers who will become the backbone of the social services delivery system in the Piedmont Triad and beyond. We prepare students to engage with others at the intersection of person and environment, race, gender, and class, in order to promote healthy functioning for individuals, families, groups, and communities. Our goal is the transformation of personal history into professional identity through mentoring, teaching, our signature pedagogy—field education, research, and engaged scholarship. Learning

takes place within an intentional, collaborative community that respects and embraces diversity and promotes inclusion.

## The Joint Master of Social Work

The Joint Master of Social Work (M.S.W.) program represents the efforts of faculty at North Carolina Agricultural and Technical State University (NCA&TSU) and The University of North Carolina at Greensboro (UNC Greensboro). This is a single academic program with participation in instruction by faculty from each department. Instruction is conducted on the campuses of both universities. The program is accredited by The Council on Social Work Education and the curriculum has been designed by the joint faculty to provide students with a multicultural clinical social work education. The model for the curriculum is based on CSWE social work competencies and contemporary, state-of-the-art theory and practice methods. The curriculum is organized by generalist year, specialization year, and field instruction. The primary purpose of the M.S.W. program is to prepare students for multicultural clinical social work practice.

Each M.S.W. student completes 1008 hours of internships in community agencies. A 42-credit hour Advanced Standing option is available for highly qualified students who have graduated from a CSWE-accredited B.S.W. Program; these students complete a 672-hour advanced internship.

## Gerontology

The mission of the UNC Greensboro Gerontology Program is to teach, apply, and create gerontological knowledge through collaborative relationships with academic disciplines, community organizations, and businesses to enrich the lives of older adults and their families. Graduates are prepared to be leaders in the profession and to serve older adults locally and nationally through the health, business, non-profit, and academic sectors.

Three goals reflect the mission of the Gerontology program:

1. Provide a transdisciplinary curriculum that gives new and seasoned professionals the knowledge and skills necessary for a successful career working with older adults.
2. Facilitate and support opportunities for students to participate in innovative coursework that further their academic and professional goals in the field of gerontology.
3. Provide professional training and experiences in gerontology in order to enhance understanding of and professional practice using research and theories on aging.

## Program Administration

The Gerontology Program is proudly housed in the Department of Social Work in the School of Health and Human Sciences.

*School of Health and Human Sciences*

212 Ferguson Building  
[www.uncg.edu/gro](http://www.uncg.edu/gro) (<http://www.uncg.edu/gro/>)

## About

The goal of the Gerontology Program is to provide opportunities for learning and practice that create competent and capable gerontologists who meet the needs of the aging population. Students are provided with a scientific, broad and integrated view of aging through collaborative relationships with academic disciplines, community organizations,

and businesses in order to approach issues of aging from a truly biopsychosocial perspective. The undergraduate and graduate programs in Gerontology prepare students for careers in agencies and organizations serving older adults and their families.

The UNC Greensboro Gerontology Program offers an Undergraduate Minor in Gerontology, a Post-Baccalaureate Certificate in Gerontology, a Master of Science in Gerontology, and an Accelerated B.A. or B.S. to M.S. in Gerontology.

## Affiliated Faculty

**Rebecca G. Adams, Gerontology Undergraduate Coordinator, Professor**  
**Elise Eifert, Gerontology Graduate Coordinator, Assistant Professor**  
**Chantelle Caro, Assistant Professor**

### Undergraduate

**Rebecca Adams, Gerontology Undergraduate Coordinator**  
 336-256-1020

The Gerontology Program offers an undergraduate minor in Gerontology that requires 12 credit hours to complete.

Undergraduate students who plan to undertake graduate study at UNC Greensboro, and who need no more than 12 credits of work to fulfill all requirements for the bachelor's degree, may enroll in the Graduate School. See the Dual Registration in the *University Catalog*.

### Graduate

**Elise Eifert, Gerontology Graduate Coordinator**  
 336-256-1099

A Post-Baccalaureate Certificate and a Master of Science degree in Gerontology are offered through the Gerontology Program. The graduate programs are fully online and tailored to working, adult learners. Programs are flexible and practitioner oriented with a focus on authentic learning and developing practical knowledge and skills for the job market.

The Post-Baccalaureate Certificate in Gerontology curriculum provides the professional foundation necessary to prepare students for practice as a Gerontological Specialist in their primary discipline. The P.B.C. requires a minimum of 12 credit hours of course work. Visit the P.B.C. program page (p. 735) for information about applying, admission, and certificate requirements.

The accredited Master of Science in Gerontology curriculum provides the professional foundation necessary to prepare students for practice as a Gerontologist. Courses are designed to provide students with opportunities to master core competencies in the Gerontology discipline. The M.S. requires a minimum of 30 credit hours of course work. Visit the M.S. program page (p. 732) for information about applying, admission and degree requirements.

#### Professor

Melissa Raymelle Floyd-Pickard<sup>G</sup>  
 Kelly Jay Poole<sup>G</sup>  
 John C. Rife<sup>G</sup>

#### Associate Professor

Mathieu Despard<sup>G</sup>  
 Meredith Christine Foster Powers<sup>G</sup>

#### Academic Professional Associate Professor

Elise Eifert<sup>G</sup>  
 Fran Pearson<sup>G</sup>

Daniel Thomas Rhodes<sup>G</sup>  
 Beth Webb<sup>G</sup>

#### Academic Professional Assistant Professor

Regina Taree Hayes Alexander  
 Chantelle Sharpe Caro<sup>G</sup>  
 Chauncey Greene  
 Ashley Marjette Stewart  
 Johnette Celeste Walser

#### Lecturer

Dejah Simone Alston  
 Jason Tyler City  
 Tiffany Danielle Hall  
 Sheilagh Harrington  
 Bernette Kelley Jones  
 Shanequa Maria Lennon  
 Christine Anne Morrison  
 Jannifer Marie Pastorick  
 Demetria Ann Powell Harrison  
 Sharon Weeks Toney  
 Charles Jason Yates

#### G Graduate-level faculty

- Social Work, B.S.W. (p. 728)
- Gerontology Undergraduate Minor (p. 731)
- Social Work Undergraduate Minor (p. 732)
- Gerontology, M.S. (p. 732)
- Social Work, M.S.W., offered jointly with North Carolina A&T State University (p. 732)
- Social Work, Ph.D., offered jointly with North Carolina A&T State University (p. 734)
- Gerontology, Post-Baccalaureate Certificate (p. 735)

## Social Work, B.S.W.

The purpose of the Social Work major is to prepare students for entry level generalist practice in social work. This is a professional program of study which is strongly grounded for the first two years in liberal arts; the second two years focus on the professional curriculum. The program prepares students for work with individuals, families, groups, organizations and communities.

### Accreditation

The program is accredited by the Council on Social Work Education for an eight-year period ending in June 2029.

## Admission to the Social Work Major

The student who wishes to formally declare Social Work as a major should consult with the Undergraduate Program Director. Admission is competitive and limited. Decisions concerning admission are announced by January 1 and are effective with the beginning of the spring semester. Admission to the major is based upon the criteria listed below.

#### 1. Required courses

Satisfactory completion of the courses listed below with a grade of C or higher.

Code	Title	Credit Hours
SWK 215	Introduction to Social Work	
And be enrolled or have completed		An application process and approval of the Director of Field Instruction
SWK 310	Social Work Policy and Restorative Justice	

SWK 311 Human Behavior and Social Environment

2. GPA  
A minimum university GPA of 2.50
3. Credit hours  
Completion of a minimum of 51 credit hours
4. Application packet  
Completion and submission of the B.S.W. Application Packet by December 7 of the year in which the student is seeking admission

## Requirements for Admission to Field Instruction

1. Social Work major  
Prior admission to the Social Work Major
2. Required courses  
Completion of the courses below (or their equivalent) and completion of the department's culture and diversity requirement.

Code	Title	Credit Hours
BIO 105	Major Concepts of Biology	
or BIO 111	Principles of Biology I	
or ATY 153	The Human Species	
HDF 112	Families and Close Relationships	
PSC 200	American Politics	
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	
STA 108	Elementary Introduction to Probability and Statistics	
	or SWK 350 Introduction to Social Work Data Analysis	

3. Credit hours  
Completion of 84 credits with a 2.50 grade point average
4. Early field experience  
Satisfactory completion of all early field experience requirements
5. SWK Courses  
Satisfactory completion of the courses listed below with a minimum grade of C. No Social Work course may be taken more than twice.

Code	Title	Credit Hours
SWK 215	Introduction to Social Work	
SWK 310	Social Work Policy and Restorative Justice	
SWK 311	Human Behavior and Social Environment	
SWK 315	Social Work, Diversity, and Vulnerable Populations	
SWK 325	Research in Social Work Practice	
SWK 351	Professional Practice With Individuals and Families	
SWK 352	Professional Practice With Groups	

6. Application process

An application process and approval of the Director of Field Instruction

## General Information

Admission to the university does not constitute acceptance to the department. Academic credit is not awarded for life or work experience. Community social work agencies cooperate with the Department of Social Work in providing field work experiences for the students. The number of students placed for field instruction is determined by the availability of these resources. At times, there may not be an approved site for student placement and there may be delay in meeting that part of the graduation requirements.

Students enrolled in the practice sequence are individually responsible for their own transportation to and from community agencies. Students are required to provide proof of liability and malpractice insurance. Malpractice insurance information is available in the departmental office.

Students who fail to enter senior year field instruction within two years of completion of all Bachelor of Social Work foundation courses\* must reapply for admission to the social work program. The Director of the Bachelor of Social Work program in consultation with the student and faculty will decide what social work courses, if any, must be repeated prior to reapplying for admission to field instruction.

Students who enter field instruction and fail to successfully complete it must reapply for admission to field instruction within two years of completion of all Bachelor of Social Work foundation courses\*. If more than two years elapse, the student must reapply for admission to the social work program. Students who have previously entered field instruction and have not successfully completed it may only reapply once for readmission.

\* *BSW Foundation Courses*

- SWK 215
- SWK 310
- SWK 311
- SWK 315
- SWK 325
- SWK 351
- SWK 352

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level.
- A minimum university GPA of 2.50.

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours	
<b>Admission to Field Instruction</b>			
SWK 215	Introduction to Social Work		
SWK 310	Social Work Policy and Restorative Justice		
SWK 311	Human Behavior and Social Environment		
SWK 315	Social Work, Diversity, and Vulnerable Populations		
SWK 325	Research in Social Work Practice		
SWK 351	Professional Practice With Individuals and Families		
SWK 352	Professional Practice With Groups		
<b>Practice Sequence</b>			
SWK 411	Social Work Methods With Individuals and Families	24	
SWK 412	Social Work Methods With Communities and Organizations		
SWK 413	Field Instruction I		
SWK 414	Field Instruction II		
SWK 415	Field Instruction Seminar I		
SWK 416	Field Instruction Seminar II		
<i>Select 6 remaining credits in SWK at the 400 level</i>			
<b>Related Area Requirements</b>			
BIO 105	Major Concepts of Biology	18	
or BIO 111	Principles of Biology I		
or ATY 153	The Human Species		
HDF 112	Families and Close Relationships		
PSC 200	American Politics		
PSY 121	General Psychology		
SOC 101	Introduction to Sociology		
STA 108	Elementary Introduction to Probability and Statistics*		
or SWK 350	Introduction to Social Work Data Analysis		
<b>Culture and Diversity Requirement</b>			
<i>Select 6 credits of the following: **</i>			
ADS 201	Introduction to African American Studies	6	
ADS 210	Blacks in American Society: Social, Economic, and Political Perspectives		
ATY 100	Modern Cultural Diversity		
ATY 113	Engaging Culture		
ATY 230	Cultures of Native North America		
ENG 331	Women in Literature		
ENG 374	Early African American Writers		
ENG 376	African American Writers after the 1920s		
HDF 407	Issues Affecting Women and Families		
HEA 433	Gender and Health		
HEA 447	Income, Social Status, and Health		
HEA 471	Immigrant and Refugee Health		
HIS 301	Race and Slavery		
HIS 302	Race and Segregation		
HIS 328	U.S. Women's History to 1865		
HIS 329	U.S. Women's History Since 1865		
PCS 309	Conflict and Culture		
PCS 415	Global Peacebuilding		
PSC 336	Women and the Law		
REL 111	Introduction to Asian Religion		
REL 215	Judaism		
REL 221	Buddhism		
REL 223	Hinduism		
REL 225	Islam		
REL 229	Introduction to African American Religions		
REL 231	Religion in America		
SES 101	American Sign Language I or ASL 101 Elementary American Sign Language I		
SES 102	American Sign Language II or ASL 102 Elementary American Sign Language II		
SES 200	People with Disabilities in American Society		
SOC 327	Race and Ethnic Relations		
SOC 329	Sociological Perspectives on Gender		
WGS 250	An Introduction to Women's, Gender and Sexuality Studies		
WGS 270	Introduction to LGBTQI Studies		
WGS 311	Gender and Violence		
WGS 333	Postcolonial and Transnational Feminisms		

\* Social work majors who take the SWK course instead of STA course will need to also take a general math course to meet the MAC requirement. MAT 112 is recommended.

\*\* All students must establish elementary competence in culture and human diversity. To do so, a student may establish foreign language proficiency (through 102) at the elementary level (0-6 credits) or complete 6 credits in course work chosen from the courses listed.

## Optional Concentration

Any of the optional concentrations as detailed following the major requirements may be added, but a concentration is not required.

- Addiction Studies
- Social Work with Special Subject-Area Licensure in School Social Work

## Electives

Electives sufficient to complete the 120 credit hours required for the degree.

### Addiction Studies Concentration Requirements

Code	Title	Credit Hours
<b>Required</b>		16
SWK 413	Field Instruction I *	
SWK 414	Field Instruction II *	
SWK 455	Substance Use and Social Work Practice	
<i>Select 1 course from the following:</i>		
SOC 393	Drugs and Society	
or HEA 331	Alcohol, Tobacco, and Other Drugs	

\* Must be completed in an addictions setting.

## Social Work with Special Subject-Area Licensure in School Social Work Concentration Requirements

Students intending to become licensed for school social work by the Department of Public Instruction need to complete the licensure program which has been developed with the School of Education (see School of Education Licensure Programs).

In addition to completing the requirements for the social work major, the student must be admitted to the Teacher Education Program, have a minimum cumulative 3.0 GPA, and successfully complete the courses listed below.

Field Instruction courses must be taken in a school social work setting.

Licensure for school social work is granted by the North Carolina Department of Public Instruction. Students interested in School Social Work Licensure should contact the advisor for School Social Work Licensure in the Department of Social Work.

Code	Title	Credit Hours
<b>Teacher Education</b>		
ELC 381		6
SWK 482	School Social Work	
<b>Field Instruction</b>		
SWK 413	Field Instruction I	10
SWK 414	Field Instruction II	

## Disciplinary Honors in Social Work

### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.

Code	Title	Credit Hours
<b>Required</b>		
HSS 490	Senior Honors Project	3
<b>6 credits of Honors course work in the major</b>		6
<b>3 credits of Honors course work in the major or another area</b>		3

### Recognition

Receive a Certificate of Disciplinary Honors in Social Work; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

### Honors Advisor

Contact Daniel Rhodes at [dtrhodes@uncg.edu](mailto:dtrhodes@uncg.edu) for further information and guidance about Honors in Social Work. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Gerontology Undergraduate Minor

The Gerontology minor is designed for undergraduates with any major who are interested in a career in aging or personally interested in the topic. This minor should be of special interest to undergraduates planning to pursue careers in the allied health fields, with businesses or non-profits providing services or products to older adults and their

families, or after attending graduate school, as researchers in their respective fields.

Students will learn to locate information relevant to the aging experience and communicate it effectively to others, describe the variety of aging experiences, analyze current opportunities and constraints on how people age, and interpret data and apply theories of aging to gain perspective on their own futures as older adults and to identify areas for change.

Working with the Gerontology Undergraduate Coordinator and their major advisors, students will have an opportunity to complete a program of study customized to help them meet their own career or personal goals.

Many of the courses, including GRO 201 Introduction to Gerontology: Thinking about Aging (the only required course), are offered online and, with planning, it is possible to complete the minor entirely online.

## Overall Requirements

The Gerontology minor consists of four 3-credit courses, one of which is required (GRO 201) and none of which can count as credit towards the major.

## Program Requirements

- Minimum of 12 credit hours

Code	Title	Credit Hours
<b>Required</b>		
GRO 201	Introduction to Gerontology: Thinking about Aging	3
<b>Select 9 credits from the following:</b> *		9
BIO 425	Biological Clocks	
BIO 436	Biology of Aging	
CSD 452	Communication and Aging	
CSD 487	Intro Adult Language Disorders	
CTR 214	Inclusive Recreation	
GRO 411	Silver Industries	
or ENT 411	Silver Industries	
GRO 444	Baby Boomers	
GRO 451	Gerontology Independent Study	
HDF 111	Human Development Across the Life Span	
HDF 204	Adult Development	
KIN 479	Exercise and Older Adults	
NTR 313	Nutrition Throughout the Life Cycle	
NUR 481	End-of-Life Care	
PHI 275	Philosophy of Aging	
PSY 375	Psychology of Aging	
REL 104	Religion, Ritual, and the Arts	
SWK 470	Social Services for the Aging	

\* Chosen from the courses listed or other courses with a focus on aging under advisement from the Gerontology Undergraduate Coordinator. Note: Some of these courses require prerequisites or permission of the instructor, but it is possible to complete the minor without taking any of those courses.

# Social Work Undergraduate Minor

## Program Requirements

- Minimum of 15 credit hours

Code	Title	Credit Hours
<b>Required</b>		
SWK 215	Introduction to Social Work	
SWK 311	Human Behavior and Social Environment	
SWK 315	Social Work, Diversity, and Vulnerable Populations	
<i>Select two 400-level courses in Social Work</i>		

## Gerontology, M.S.

The M.S. in Gerontology is a fully online program requiring 30 credit hours of course work including a capstone with field experience. It trains professionals for leading roles to meet the needs of America's growing elderly population. Students understand the basic processes of aging, apply theoretical approaches to aging to their particular fields and circumstances, and evaluate information about older adults from various sources and perspectives.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal essay elaborating on their experience and/or interest in working with older adults.

## Degree Program Requirements

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (21 credits)</b>		
GRO 570	Social Services for the Aging	3
GRO 602	Seminar: Critical Issues of Aging	3
GRO 620	Research Methods in Gerontology	3
GRO 621	Health and Aging	3
GRO 634	Diversity, Inclusion, and Aging	3
GRO 651	Theoretical Foundations of Aging	3
GRO 679	Integrated Capstone in Gerontology	3
<b>Electives (9 credits)</b>		
Select 9 credits of elective courses *		9
<b>Total Credit Hours</b>		<b>30</b>

\* Under advisement to meet the student's educational objectives.

## Accelerated B.A. or B.S. to M.S. in Gerontology

### Application and Admission

Undergraduate students at UNC Greensboro may apply for admission to the Accelerated Master's Program (AMP) in Gerontology. A cumulative undergraduate GPA of at least 3.5, based on at least 30 credits earned at UNC Greensboro is required. Applicants must have completed at least

60 credits and may not apply for admission to the AMP before the first semester of the junior year.

All applicants must complete the standard application requirements for the M.S. in Gerontology program including three letters of recommendation and a statement of purpose. Applicants to the AMP must also submit an academic writing sample and a resume.

### Courses

Up to, but not more than, 12 credits of graduate courses may be double-counted. For a course to apply toward both degrees, the student must earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements.

The M.S. degree requires 30 credits of graduate-level course work. If the maximum of 12 credits is double-counted toward both the undergraduate and graduate degrees, the student must complete a minimum of 18 credits of further graduate-level course work to complete the M.S. degree. Please see the *University Catalog* for a full description of the M.S. degree requirements.

The following courses may be counted toward both an undergraduate degree and the M.S. in Gerontology degree. All courses leading to the completion of the M.S. degree must be approved by the GRO Graduate Program Coordinator.

Code	Title	Credit Hours
GRO 570	Social Services for the Aging	3
GRO 602	Seminar: Critical Issues of Aging	3
GRO 621	Health and Aging	3
GRO 651	Theoretical Foundations of Aging	3

Please consult with an advisor to determine how courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S. in Gerontology remain the same.

## Social Work, M.S.W., offered jointly with North Carolina A&T State University

### Program Goals

Four program goals reflect the mission of the Joint Master of Social Work program in three complementary areas: the provision of a quality master's level social work curriculum, service to the people of North Carolina, and scholarship.

- Create an intentional learning community which recognizes, understands, supports, and honors diversity and difference, especially for students from oppressed groups.
- Prepare graduates to engage in culturally-competent, effective, ethical, multiculturally-competent clinical practice.
- Collaborate with consumers and colleagues to promote social and economic justice and improve the lives of the people of North Carolina and beyond.
- Conduct and disseminate community-engaged scholarship which contributes to the knowledge base of the profession and promotes effective social work practice.

## Curriculum Plan

The Joint Master of Social Work program with the Department of Sociology and Social Work at NCA&TSU offers two-year and advanced standing program options. Students in the full-time two-year option complete 60 credit hours of course work. The advanced standing option requires 42 credit hours in one calendar year. All students must complete courses in the prescribed sequence to progress successfully to completion of the degree program.

The curriculum design of the program provides students with a theoretical and applied education in social work to enhance and promote multicultural clinical social work practice. The program is organized to insure that all students, as advanced social work practitioners, will be prepared to independently engage in clinical social work practice with individuals, families, and small groups, and to work effectively within organizations and communities around issues of social justice and access to services.

## Generalist Year Curriculum

In the generalist curriculum, students complete 30 credits of course work. Students complete courses in social work and social welfare policy, social work practice and human diversity, social work practice with individuals, social work practice with groups, and family theory and intervention. Students also complete courses on foundations of clinical social work practice, social work and social justice, social work research methods, and two generalist field instruction and seminar courses. The purpose of the generalist course work is to prepare students for the specialization curriculum.

## Specialization Curriculum

In the specialization curriculum, students complete an additional 30 credits of course work. Students complete two courses in advanced social work clinical practice, an advanced research course, and a course on organizational practice from a clinical perspective. They also complete two semesters of advanced field instruction and field seminar. Students also complete two graduate-level electives, which must be approved by the student's educational advisor.

## Advanced Standing Option

Advanced Standing students have been admitted into Advanced Standing with a B.S.W. degree and complete 42 credits of graduate course work to obtain the M.S.W. They begin their graduate course work in the summer taking 12 credits of course work. This course work builds a content bridge between B.S.W. course work and the specialization year curriculum of the M.S.W. program.

## School Social Work Licensure

Students intending to become licensed at the graduate level for school social work by the North Carolina Department of Public Instruction need to complete the Licensure Program, which has been developed with the School of Education.

In addition to completing the requirements for the JMSW Program, the student must be admitted to the Teacher Education Program and successfully complete SWK 651 Advanced School Social Work . The advanced year field instruction (SWK 640 Field Instruction III and SWK 647 Field Instruction IV ) must be taken in a school social work setting. Graduate licensure in school social work is granted by the North Carolina Department of Public Instruction. Students interested

in school social work licensure should contact the school social work coordinator in the Department of Social Work.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

A Joint Admissions Committee comprised of faculty members from UNC Greensboro and NCA&TSU review applications and recommend applicants for admission. The review process ensures a consistent and fair evaluation of applicants.

In addition to the application materials required by The Graduate School, applicants must submit a personal statement, a case analysis, a Volunteer/Work Experience form, and show evidence of a liberal arts foundation that includes 18 credits of Social and Behavioral Sciences (political science, psychology, anthropology, economics, ethnic/global studies, history and sociology); 6 credits of Humanities; 3 credits of Human Biology or Human Development; and 3 credits of Statistics.

Applicants must demonstrate intellectual and personal qualifications considered essential to the successful practice of social work, such as sensitivity and responsiveness in relationships, concern for the needs of others, adaptability, good judgment, creativity, integrity, and skill in oral and written communication.

The M.S.W. program does not grant academic credit for life or work experience. Only students who have been admitted to the program may take social work courses. Specific policies governing student progression in the program may be found in the JMSW Student Handbook and in the JMSW Field Instruction Manual.

Applicants to the Advanced Standing option must have earned a Bachelor of Social Work degree from a Council on Social Work Education accredited program within the past 10 years, have a GPA in social work courses of 3.5 or better, and provide a recommendation from his/her B.S.W. field supervisor (as one of the three recommendations required).

## Degree Program Requirements

**Required:** 60 credit hours (42 credit hours for the Advanced Standing Option)

### Two-Year Option

#### Year One: Generalist Courses

#### Year Two: Specialization Curriculum

First Semester	Credit Hours
SWK 600	Field Instruction and Seminar I
SWK 621	Foundations of Social Work and Social Policy
SWK 622	Social Work Practice with Individuals
SWK 623	Social Work with Groups
SWK 624	Social Work Practice and Human Diversity
	<b>Credit Hours</b>
	15
Second Semester	
SWK 608	Field Instruction and Seminar II
SWK 609	Family Theory and Intervention
SWK 618	Social Work and Social Justice
SWK 619	Foundations of Clinical Social Work Practice
SWK 626	Social Work Research Methods
	<b>Credit Hours</b>
	15
Year Two	
First Semester	
SWK 634	Research Designs and Data Analysis for Social Work Practice
	3

SWK 640	Field Instruction III	5
SWK 641	Field Seminar III	1
SWK 652	Advanced Clinical Social Work Practice I	3
Select one elective course (3 credits)		3
	Credit Hours	15
<b>Second Semester</b>		
SWK 644	Organizational Context of Clinical Social Work Practice	3
SWK 647	Field Instruction IV	5
SWK 648	Field Seminar IV	1
SWK 653	Advanced Clinical Social Work Practice II	3
Select one elective course (3 credits)		3
	Credit Hours	15
	Total Credit Hours	60

## Advanced Standing Option

The 42 credit hour Advanced Standing Option is designed to allow highly qualified students to earn the Master of Social Work degree in one calendar year by building on knowledge and skills previously attained through Bachelor of Social Work course work.

### Required Summer Bridge Courses

Summer Session I		Credit Hours
SWK 624	Social Work Practice and Human Diversity	3
SWK 632	Social Work with Families and Groups	3
	Credit Hours	6
<b>Summer Session II</b>		
SWK 626	Social Work Research Methods	3
SWK 631	Social Work with Individuals: Theory and Practice	3
	Credit Hours	6
	Total Credit Hours	12

Upon successful completion of the above courses during the summer, Advanced Standing students admitted during summer will join the ongoing M.S.W. full-time two-year class in Year 2: Specialization Year Curriculum. At that time Advanced Standing students will take the following courses:

### Specialization Curriculum

Year Two		Credit Hours
<b>First Semester</b>		
SWK 634	Research Designs and Data Analysis for Social Work Practice	3
SWK 640	Field Instruction III	5
SWK 641	Field Seminar III	1
SWK 652	Advanced Clinical Social Work Practice I	3
Select one elective course (3 credits)		3
	Credit Hours	15
<b>Second Semester</b>		
SWK 648	Field Seminar IV	1
SWK 644	Organizational Context of Clinical Social Work Practice	3
SWK 647	Field Instruction IV	5
SWK 653	Advanced Clinical Social Work Practice II	3
Select one elective course (3 credits)		3
	Credit Hours	15
	Total Credit Hours	30

## School Social Work Licensure

Students intending to become licensed at the graduate level for school social work by the North Carolina Department of Public Instruction need to complete the Licensure Program, which has been developed with the School of Education.

In addition to completing the requirements for the JMSW Program, the student must be admitted to the Teacher Education Program and successfully complete SWK 651 Advanced School Social Work . The advanced year field instruction (SWK 640 Field Instruction III and SWK 647 Field Instruction IV ) must be taken in a school social work setting. Graduate licensure in school social work is granted by the North Carolina Department of Public Instruction. Students interested in school social work licensure should contact the school social work coordinator in the Department of Social Work.

## Social Work, Ph.D., offered jointly with North Carolina A&T State University

North Carolina Agricultural and Technical State University and UNC Greensboro offers a joint doctoral degree in social work (JPhD). Grounded in two richly historic universities, one a historically Black college or university (NCA&TSU) and the other the historical women's college of the University of North Carolina system (UNC Greensboro), the program is built on the cornerstones of diversity, multicultural responsiveness, and community engagement. Students in the program will receive the benefits and privileges of being enrolled on both campuses and the degree will include the seals and official signatures from both universities. The curriculum encourages students to explore several aspects of research including quantitative, qualitative, and community-engaged approaches. Additionally, students are encouraged to use electives to explore other areas or specialization in a particular area. Using the teacher/scholar model, the JPhD program encourages students to prepare for careers in academia and as leaders in the community.

The joint program site can be found at [ncatuncgjpsw.org](http://ncatuncgjpsw.org) (<https://ncatuncgjpsw.org/>).

For information regarding deadlines and requirements for admission, please see [https://grs.uncg.edu/programs/](http://grs.uncg.edu/programs/).

Applicants to the Joint Ph.D. in Social Work must have earned a master's degree in social work from an accredited institution and demonstrate potential for doctoral studies.

In addition to the materials required by the Graduate School, applicants must submit:

- GRE scores (if requesting a waiver, explain why in the personal statement).
- A resume/cv that demonstrates the student's:
  - Education
  - Substantive areas of expertise or interest
  - Professional positions
  - Teaching or training experiences
  - Research or grant experiences
  - Professional publications and presentations
  - Professional affiliations, honors, awards
  - Service
- A personal statement describing their:
  - Professional goals
  - Previous professional/academic experience as evidence of potential for engaging in doctoral-level scholarship
  - Interest in the Joint Ph.D. in Social Work program

- Research interest they would like to pursue in the doctoral program and a tentative plan for research
- A sample of professional writing that demonstrates intellectual potential such as a:
  - Research proposal
  - Grant application
  - Professional report or publication
- Three academic or professional references that attest to the student's academic ability, nature of work performance, commitment to social work values, and ability to conduct scholarship.
- An interview may be required.

## Degree Program Requirements

**Required:** 48-54 credit hours

Code	Title	Credit Hours
<b>Required Social Work Courses (15 credits)</b>		
SWK 851	Foundations and Theories of Multiculturally Informed Social Work Research	3
SWK 853	Quantitative Methods in Social Work	3
SWK 854	Qualitative Methods in a Multicultural Context	3
SWK 856	Community-Engaged Research in Social Work	3
SWK 885	Issues and Trends in Social Work	3
<b>Additional Research Requirement (6 credits)</b>		
SWK 855	Quantitative Data Analysis in Social Work	3
Select one additional course (3 credits) in research methods, which may be from the following or another similar course: *		
CST 602	Engaging Communication Scholarship II	
ELC 764	Introduction to Qualitative Inquiry: A Social Justice Approach	
ELC 767	Qualitative Data Collection and Analysis	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 745	Culturally Responsive Approaches to Research and Evaluation	
ERM 768	Survey Research Methods in Education	
ERM 780	Intermediate Statistical Methods in Education	
ERM 781	Design and Analysis of Educational Experiments	
ERM 782	Multivariate Analysis	
HHS 650	Applied Multiple Regression	
NUR 701	Statistical Applications for Nursing Research	
NUR 703	Qualitative Methods for Nursing	
NUR 702	Statistical Applications for Nursing Research II	
NUR 756	Respiratory Pathophysiology for Nurse Anesthesia	
PSY 609	Statistical Methods in Psychology I	
PSY 610	Statistical Methods in Psychology II	
SES 760	Single Subject Research Design	
STA 645	Nonparametric Statistics	
STA 670	Categorical Data Analysis	
STA 676	Sample Survey Methods	
TED 738	Mixed Methods Research Design in Curriculum and Instruction	
<b>Electives (12 credits)</b>		
Select 12 credits of elective courses **		

<b>Research Development (3 credits)</b>		
SWK 880	Research Planning and Development	3
<b>Dissertation (12-18 credits)</b>		
SWK 799	Dissertation	12-18
<b>Total Credit Hours</b>		<b>48-54</b>

\* Students should work with their advisor and committee to select course work that facilitates their dissertation method needs. Additional methods courses taken beyond the required credits may count as part of the electives requirement.

\*\* Students should meet with their advisor to select courses that meet their professional interests and development. Students may select courses from UNC Greensboro and NC A&T to fulfill the electives requirement. SWK 885 may be repeated one time for a total of 6 credits. NC A&T courses that may count as an elective include:

- ADED 716 Research in Adult Education
- COUN 709 Statistics and Research Methods
- COUN 770 Applied Research in Counseling
- COUN 810 Descriptive & Inferential Statistics
- COUN 830 Design Methodology & Implementation
- COUN 865 Analysis of Qualitative Research
- LEST 815 Research Design and Methodology
- LEST 860 Qualitative Research
- LEST 862 Quantitative Research

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Qualifying Exam
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Gerontology, Post-Baccalaureate Certificate

The Post-Baccalaureate Certificate in Gerontology is a fully online program requiring 12 credit hours of course work. The program equips students with the knowledge and skills to work with the growing population of older adults in the 21st century. It is designed to meet the needs of individuals who would like to increase or formalize their knowledge related to aging. The certificate is ideal for individuals who aspire to become gerontological specialists within their primary field

**Electives (12 credits)**

such as social workers, health educators, recreational therapist, personal trainers, and more.

The P.B.C. is available to:

- Graduate students already enrolled in a degree program at UNC Greensboro, or
- Certificate-seeking students who hold a bachelor's or an advanced degree.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal essay elaborating on their experience and/or interest in working with older adults.

Students wishing to pursue the certificate in gerontology while pursuing a graduate degree should consult with the Gerontology Graduate Coordinator and with the department of interest.

## Certificate Program Requirements

**Required:** 12 credit hours

Code	Title	Credit Hours
<b>Required Core Courses (9 credits)</b>		
GRO 602	Seminar: Critical Issues of Aging	3
GRO 621	Health and Aging	3
GRO 651	Theoretical Foundations of Aging	3
<b>Elective (3 credits)</b>		
Select 3 credits of electives *		3
<b>Total Credit Hours</b>		<b>12</b>

\* Selected under advisement to meet the student's educational objectives.

# JOINT SCHOOL OF NANOSCIENCE AND NANOENGINEERING

2907 East Gate City Blvd., Greensboro, NC 27401  
336-285-2800  
[jsnn.ncat.uncg.edu/](http://jsnn.ncat.uncg.edu/) (<http://jsnn.ncat.uncg.edu/>)

## Administration

**Sherine Obare**, *Dean*  
**Yirong Mo**, *Chair*  
**Dennis LaJeunesse**, *Graduate Program Director*

## About

The Joint School of Nanoscience and Nanoengineering (JSNN) is a collaboration of North Carolina A&T State University and The University of North Carolina at Greensboro. JSNN's research and educational programs focus on the emerging areas of nanoscience and nanoengineering. The strengths of the two universities in the basic sciences and in engineering make them ideal partners for this new, interdisciplinary school. JSNN faculty and students will be able to access laboratories and classrooms at NC A&T, UNC Greensboro as well as the leading edge JSNN faculty at the University Research Park.

Nanotechnology is often referred to as convergent technology because it utilizes knowledge from a diverse array of disciplines including biology, chemistry, physics, engineering, and technology. Nanotechnology is rapidly becoming a large part of the world's economy, generating an array of materials, technologies, and new products. JSNN's Master of Science in Nanoscience and Ph.D. in Nanoscience degree programs have been developed to meet the need for trained professionals in the emerging high technology industries using nanotechnology.

JSNN has six research focus areas—nanobioscience, nanometrology, nanomaterials (with special emphasis on nanocomposite materials), nanobioelectronics, nanoenergy, and computational nanotechnology. These technical areas will afford numerous opportunities for collaboration with industrial partners.

## Mission

The mission of the Nanoscience Department in the Joint School of Nanoscience and Nanoengineering is to prepare students from a variety of backgrounds to conduct interdisciplinary fundamental, applied, and translational Nanoscience research, and support a collaborative research environment that leverages transdisciplinary research platforms.

### Professor

Daniel Joseph Christian Herr<sup>G</sup>  
Dennis R. LaJeunesse<sup>G</sup>  
Yirong Mo<sup>G</sup>  
Sherine O Obare<sup>G</sup>  
Hemali Priyanka Rathnayake<sup>G</sup>  
Joseph Michael Starobin<sup>G</sup>  
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**Associate Professor**  
Tetyana Ignatova<sup>G</sup>

**Assistant Professor**

Suzanne Ahmed Ibrahim Ahmed<sup>G</sup>

Eric Alan Josephs<sup>G</sup>

Kerui Wu

### Lecturer

Anthony Lee Dellinger<sup>G</sup>

- Nanoscience, M.S. (p. 738)
- Nanoscience, Ph.D. (p. 740)
- Advanced Materials, Post-Baccalaureate Certificate (p. 741)
- Analytical Instrumentation, Post-Baccalaureate Certificate (p. 741)
- Medical Science, Post-Baccalaureate Certificate (p. 742)
- Nanoscience, Post-Baccalaureate Certificate (p. 742)
- Synthetic Biology, Post-Baccalaureate Certificate (p. 742)

# Nanoscience, M.S.

The 31 credit hour, non-thesis, online M.S. in Nanoscience follows the Professional Science Master's degree model, featuring course work in nanosciences and business and an internship to provide practical experience. It is designed for students with strong backgrounds in technical fields who seek additional specialized training to qualify them for positions in companies that work in the field of nanotechnology.

The on-campus M.S. in Nanoscience Thesis Option is a 31 credit hour program that includes the completion of a 6 credit thesis. Students are expected to start their research project during their first year in the program.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement indicating their interest in the program and a current curriculum vitae.

Qualified applicants will have a B.S. degree in an area related to Nanoscience (physics, chemistry, biology, mathematics, computer science, or engineering).

## Degree Program Requirements

**Required:** 31 credit hours

### Non-Thesis Option

Code	Title	Credit Hours
<b>Foundation Nanoscience Survey Courses (6 credits)</b>		
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Nanoscience Elective Courses (15 credits)</b>		
Select 15 credits of electives from NAN graduate courses *		15
<b>Nanoscience Scientific Ethics (1 credit)</b>		
NAN 710	Scientific Integrity	1
<b>Nanoscience Practicum (3 credits)</b>		
NAN 618	Lab Protocols and Practice	3
<b>Science Communications (3 credits)</b>		
NAN 619	Science Communications	3
<b>Internship/Practicum (Capstone Experience) (3 credits)</b>		
NAN 698	Capstone Experience	3
<b>Total Credit Hours</b>		<b>31</b>

\* Students may select relevant courses from outside NAN in consultation with their committee/advisor.

### Thesis Option

Code	Title	Credit Hours
<b>Foundation Nanoscience Survey Courses (6 credits)</b>		
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3

NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Nanoscience Elective Courses (12 credits)</b>		
Select 12 credits of electives from NAN graduate courses *		12
<b>Nanoscience Scientific Ethics (1 credit)</b>		
NAN 710	Scientific Integrity	1
<b>Nanoscience Practicum (3 credits)</b>		
NAN 618	Lab Protocols and Practice	3
<b>Science Communications (3 credits)</b>		
NAN 619	Science Communications	3
<b>Thesis Research (6 credits)</b>		
NAN 699	Thesis	6
<b>Total Credit Hours</b>		<b>31</b>

\* Students may select relevant courses from outside NAN in consultation with their committee/advisor.

## Instrumentation Concentration

**Required:** 31-33 credit hours

The Master of Science in Nanoscience Instrumentation Concentration involves course work on the theory and application of nanoscale characterization and analytical instruments including scanning electron microscopy, optical microscopy techniques, atomic force microscopy, Energy-dispersive X-ray spectroscopy (EDX), and surface analysis tools like the Raman spectroscopy and X-ray photoelectron spectroscopy (XPS). This concentration will train individuals in the theory, operation, and implementation of these instruments in the context of material characterization.

### Non-Thesis Option

Code	Title	Credit Hours
<b>Foundation Nanoscience Survey Courses (6 credits)</b>		
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Nanoscience Elective Courses (6 credits)</b>		
Select 6 credits of electives from NAN graduate courses *		6
<b>Nanoscience Instrumentation Elective Courses (9-11 credits)</b>		
Select three courses (9-11 credits) from the following: **		9-11
NAN 604	Nanotechniques	
NAN 615	Spectroscopy Methods in Nanoscience	
NAN 623	Optical Microscopy for Nanoscience	
NAN 624	Particle Beam Microscopy for Nanoscience	
NAN 625	Molecular Biology in Nanosciences	
NAN 630	Advances in Nano-Biosensors	

### Nanoscience Scientific Ethics (1 credit)

NAN 710	Scientific Integrity	1
<b>Nanoscience Practicum (3 credits)</b>		
NAN 618	Lab Protocols and Practice	3
<b>Science Communications (3 credits)</b>		
NAN 619	Science Communications	3
<b>Internship/Practicum (Capstone Experience) (3 credits)</b>		

NAN 698	Capstone Experience	3
<b>Total Credit Hours</b>		<b>31-33</b>

\* Students may select relevant courses from outside NAN in consultation with their committee/advisor.

\*\* Or other courses approved by the student's committee/advisor.

### Thesis Option

Code	Title	Credit Hours
<b>Foundation Nanoscience Survey Courses (6 credits)</b>		
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Nanoscience Elective Courses (3 credits)</b>		
Select 3 credits of electives from NAN graduate courses *		3
<b>Nanoscience Instrumentation Elective Courses (9-11 credits)</b>		
Select three courses (9-11 credits) from the following: **		9-11
NAN 604	Nanotechniques	
NAN 615	Spectroscopy Methods in Nanoscience	
NAN 623	Optical Microscopy for Nanoscience	
NAN 624	Particle Beam Microscopy for Nanoscience	
NAN 625	Molecular Biology in Nanosciences	
NAN 630	Advances in Nano-Biosensors	
<b>Nanoscience Scientific Ethics (1 credit)</b>		
NAN 710	Scientific Integrity	1
<b>Nanoscience Practicum (3 credits)</b>		
NAN 618	Lab Protocols and Practice	3
NAN 619	Science Communications	3
<b>Thesis Research (6 credits)</b>		
NAN 699	Thesis	6
<b>Total Credit Hours</b>		<b>31-33</b>

\* Students may select relevant courses from outside NAN in consultation with their committee/advisor.

\*\* Or other courses approved by the student's committee/advisor.

### Professional Master's in Business Concentration

Required: 31 credit hours

Code	Title	Credit Hours
<b>Foundation Nanoscience Survey Courses (6 credits)</b>		
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Nanoscience Elective Courses (6 credits)</b>		
Select 6 credits of electives from NAN graduate courses *		6
<b>Professional Master's in Business Concentration Courses (9 credits)</b>		
Select three courses (9 credits) from the following:		9
MBA 701	Quantitative Analysis	

MBA 702	Financial and Managerial Accounting	
MBA 703	Managerial Economics	
MBA 706	Marketing Management	
MBA 716	Leadership	
<b>Nanoscience Scientific Ethics (1 credit)</b>		
NAN 710	Scientific Integrity	1
<b>Nanoscience Practicum (3 credits)</b>		
NAN 618	Lab Protocols and Practice	3
<b>Science Communications (3 credits)</b>		
NAN 619	Science Communications	3
<b>Internship/Practicum (Capstone Experience) (3 credits)</b>		
NAN 698	Capstone Experience	3
<b>Total Credit Hours</b>		<b>31</b>

\* Students may select relevant courses from outside NAN in consultation with their committee/advisor.

## Accelerated B.A. or B.S. to M.S. in Nanoscience

### Application and Admission

Qualified undergraduate students at UNC Greensboro may apply for admission to the Accelerated Master's Program (AMP) and the M.S. in Nanoscience if they have a cumulative undergraduate GPA of at least 3.5 in a STEM major (e.g. Biology, Chemistry, Physics, Mathematics, Computer Science, or other STEM disciplines) and are in their junior year. Transfer students may apply if their cumulative GPA from their previous institution was at least a 3.0, or if they have earned a 3.0 (with a 3.5 in courses related to the major) at UNCG during their first semester. All applicants must complete the Accelerated Master's Program information when applying for the M.S. in Nanoscience. Applicants must provide three letters of recommendation, a resume, and a statement of purpose. Those wishing to enter the AMP must have taken Calculus I and II (MAT 183 Mathematics for the Life Sciences/MAT 184 Calculus for the Life Sciences, MAT 191 Calculus I/MAT 292 Calculus II, or MAT 196 Calculus A/MAT 296 Calculus B).

### Courses

Admitted students will complete the following 12 credits of foundational graduate-level courses in Nanoscience (below) that will be applied towards completion of their undergraduate degree and the M.S. degree, provided they earn a grade of B (3.0) or better in these courses and fulfill graduate-level requirements.

Code	Title	Credit Hours
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
NAN 618	Lab Protocols and Practice	3
NAN 619	Science Communications	3

Please consult with an advisor to determine how the course taken at the graduate level will meet requirements in the bachelor's degree program.

All degree requirements for the M.S. in Informatics and Analytics remain

the same. Students will complete the remaining 19-23 credits required for the M.S. in Nanoscience program in their fifth year.

## Nanoscience, Ph.D.

The Ph.D. in Nanoscience requires a minimum of 49 credit hours and is designed to prepare students to take positions in industrial, governmental, or academic research settings by providing a solid background in nanoscience theory and experimental techniques through course work and dissertation research. Advanced elective courses in nanoscience areas ensure students will have substantial depth of understanding in their area of interest and enable them to effectively carry out advanced nanoscience research.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must submit a personal statement indicating their interest in the program and a current curriculum vitae.

Qualified applicants with a B.S. degree in an area related to Nanoscience (physics, chemistry, biology, mathematics, computer science, or engineering) and, as a minimum, completed calculus through differential equations may apply to the Ph.D. program.

## Degree Program Requirements

**Required:** 49 credit hours

Code	Title	Credit Hours
<b>Foundations of Nanoscience Courses (6 credits)</b>		
NAN 700	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 706	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Advanced Nanoscience Courses (12 credits)</b>		
Select one concentration option (12 credits) from the following:		12
<i>Without a concentration</i>		
NAN 727	Advanced Quantum and Solid State Physics	
NAN 729	Mathematical Methods in Modeling Complex Systems	
NAN 731	Systems and Synthetic Biology	
NAN 732	Nanomaterials Chemistry	
NAN 733	Physical Biology	
<i>Two approved elective courses (6 credits)</i>		
<i>Synthetic Biology Concentration</i>		
<i>Material Science and Nanomaterials Concentration</i>		
<b>Additional Required Courses (13 credits)</b>		
NAN 707	Lab Protocols and Practice <sup>1</sup>	6
NAN 708	Science Communications <sup>1</sup>	6
NAN 710	Scientific Integrity	1
<b>Dissertation Research (18-30 credits)</b>		
NAN 790	Doctoral Research <sup>2</sup>	6
NAN 799	Nanoscience Dissertation Research <sup>3</sup>	12-24
<b>Total Credit Hours</b>		<b>49</b>

<sup>1</sup> Students must complete NAN 707 and NAN 708 twice each for a total of 6 credits each.

<sup>2</sup> Students must take NAN 790 twice for a total of 6 credits.

<sup>3</sup> Students must complete a minimum of 12 credits in NAN 799.

## Materials Science and Nanomaterials Concentration

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
Select two courses (6 credits) from the following:		6
NAN 727	Advanced Quantum and Solid State Physics	
NAN 729	Mathematical Methods in Modeling Complex Systems	
NAN 732	Nanomaterials Chemistry	
<b>Elective Courses (6 credits)</b>		
Select two courses (6 credits) from the following: *		6
NAN 728	Nanotechniques	
NAN 748	Macromolecular and Supramolecular Chemistry	
NAN 749	Spectroscopy Methods in Nanoscience	
NAN 755	Biomimetics and Biomaterials	
NAN 762	Nanoscale Reactions	
NAN 764	Materials, Syntheses, and Processes by Design	
NAN 771	Computational Quantum Nanochemistry	
<b>Total Credit Hours</b>		<b>12</b>

\* Or elective course approved by the student's committee and advisor.

## Synthetic Biology Concentration

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
Select two courses (6 credits) from the following:		6
NAN 731	Systems and Synthetic Biology	
NAN 732	Nanomaterials Chemistry	
NAN 733	Physical Biology	
<b>Elective Courses (6 credits)</b>		
Select two courses (6 credits) from the following: *		6
NAN 750	Nanomedicine	
NAN 752	Molecular Biology in Nanosciences	
NAN 753	Introduction to Stem Cell Biology and Ethics	
NAN 754	Immunology	
NAN 755	Biomimetics and Biomaterials	
NAN 757	Nanomechanics	
<b>Total Credit Hours</b>		<b>12</b>

\* Or elective course approved by the student's committee and advisor.

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Research Competency
- Comprehensive Exam (Written & Oral)

- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation
- Publication of at least one Peer-Reviewed Manuscript
- Annual Committee Meetings
- Attendance and Participation in Departmental Seminar Program

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Accelerated B.S. in Physics to Ph.D. in Nanoscience

### Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing the B.S. in Physics may apply for admission to the accelerated B.S. to Ph.D. in Nanoscience. A cumulative undergraduate GPA of at least 3.5 based on at least 30 credits earned at UNC Greensboro is required. Students must also maintain a 3.5 GPA in the courses listed under Major Requirements and Additional Area Requirements in the undergraduate program. Applicants will be required to take the Graduate Record Examination (GRE) during the second semester of their junior year. Applicants must have completed at least 60 credits before applying for admission to the accelerated program. During the summer after their junior year applicants will complete the accelerated program information when applying for admission to the Ph.D. degree program.

### Courses

Admitted students may apply the following 12 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in each course and fulfill graduate-level requirements:

Code	Title	Credit Hours
NAN 601	Nanomaterials Chemistry	3
NAN 602	Physical Biology	3
NAN 603	Principles of Quantum and Solid State Physics	3
NAN 605	Mathematical Methods in Modeling Complex Systems	3

Please consult with an advisor to determine how the courses taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the Ph.D. in Nanoscience remain the same.

## Advanced Materials, Post-Baccalaureate Certificate

Advanced materials are engineered materials with designated properties created by specialized process and synthesis technology, and involves nanomaterials which are materials "with any external dimension in the nanoscale or having internal structure or surface structure in the nanoscale." The study of advanced materials has touched all aspects of human life and is a growing and active field. Advanced materials require

a broad knowledge in chemistry, biology, physics, materials science, and engineering. The Post-Baccalaureate Certificate in Advanced Materials program allows students with STEM bachelors degrees to understand the fundamental concepts in advanced materials and prepare them for their future careers related to this ever-expanding field.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

A baccalaureate degree in Chemistry, Physics, Engineering, Biology, or a closely related STEM field.

## Certificate Program Requirements

Required: 12 credit hours\*

Code	Title	Credit Hours
<b>Select four courses (12 credits) from the following:</b>		
NAN 601	Nanomaterials Chemistry	
NAN 603	Principles of Quantum and Solid State Physics	
NAN 604	Nanotechniques	
NAN 615	Spectroscopy Methods in Nanoscience	
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	
NAN 640	The Science and Engineering of Thin Films	
NAN 655	Biomimetics and Biomaterials	
<b>Total Credit Hours</b>		<b>12</b>

\* Transfer courses may not be used to satisfy the certificate requirements.

## Analytical Instrumentation, Post-Baccalaureate Certificate

Analytical instrumentation concerns quantitative measurements that are required in every area of science, engineering, and technology. It has been at the heart of scientific advances particularly in the fields of nanoscience and nanotechnology and will continue to dominate in the future. The Post-Baccalaureate Certificate in Analytical Instrumentation program is designed to provide basic knowledge and skills to students and train them for careers in research in academia, industry, government labs, hospitals, and other technologically oriented enterprises.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

A baccalaureate degree in Chemistry, Physics, Engineering, Biology, or a closely related STEM field.

## Certificate Program Requirements

Required: 12 credit hours\*

Code	Title	Credit Hours
<b>Select four courses (12 credits) from the following:</b>		
NAN 604	Nanotechniques	
NAN 615	Spectroscopy Methods in Nanoscience	
NAN 623	Optical Microscopy for Nanoscience	
NAN 624	Particle Beam Microscopy for Nanoscience	

NAN 625	Molecular Biology in Nanosciences
NAN 630	Advances in Nano-Biosensors
NAN 634	Robust Equipment and Process Control Techniques
<b>Total Credit Hours</b>	<b>12</b>

\* Transfer courses may not be used to satisfy the certificate requirements.

## Medical Science, Post-Baccalaureate Certificate

Medical science concerns human health and there is a growing interest in health-related studies. The Post-Baccalaureate Certificate in Medical Science program allows students with STEM bachelors degrees to understand the fundamental concepts in medical science and prepare them for their future careers related to this ever-expanding health-related field.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

A baccalaureate degree in Chemistry, Physics, Engineering, Biology or a closely related STEM field.

## Certificate Program Requirements

Required: 12 credit hours\*

Code	Title	Credit Hours
<b>Required Course (3 credits)</b>		
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Elective Courses (9 credits)</b>		
Select three courses (9 credits) from the following:		9
NAN 609	Nanosafety	
NAN 610	Systems and Synthetic Biology	
NAN 620	Immunology	
NAN 635	Nanomechanics	
NAN 655	Biomimetics and Biomaterials	
<b>Total Credit Hours</b>	<b>12</b>	

\* Transfer courses may not be used to satisfy the certificate requirements.

## Nanoscience, Post-Baccalaureate Certificate

Nanoscience is the study of small things and advances in this field are making it possible to create innovations such as ultra-small sensors, advanced drug delivery systems and novel materials. Nanoscience requires a broad knowledge in chemistry, biology, physics, materials science, and engineering. The Post-Baccalaureate Certificate in Nanoscience program allows students with STEM bachelors degrees to continue their study and understand the fundamental concepts in nanoscience and prepare them for their future careers related to this ever-expanding field.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

A baccalaureate degree in Chemistry, Physics, Engineering, Biology, or a closely related STEM field.

## Certificate Program Requirements

Required: 12 credit hours\*

Code	Title	Credit Hours
<b>Required Courses (6 credits)</b>		
NAN 616	Principles of Nanoscience I: Physical, Chemical, and Biological Foundations	3
NAN 617	Principles of Nanoscience II: Analytical, Statistical, and Computational Foundations	3
<b>Elective Courses (6 credits)</b>		
Select two courses (6 credits) of electives from NAN graduate courses **		6
<b>Total Credit Hours</b>	<b>12</b>	

\* Transfer courses may not be used to satisfy the certificate requirements.

\*\* With the approval of the department chair or the Graduate Program Director.

## Synthetic Biology, Post-Baccalaureate Certificate

Synthetic biology involves redesigning biological systems such as enzymes for useful purposes by engineering them to have new abilities and functions. It can be used to find solutions in medicine, manufacturing, and agriculture. The Post-Baccalaureate Certificate in Synthetic Biology program allows students with STEM bachelors degrees to understand the fundamental concepts in synthetic biology and prepare them for their future careers related to this ever-expanding field.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

A baccalaureate degree in Chemistry, Physics, Engineering, Biology or a closely related STEM field.

## Certificate Program Requirements

Required: 12 credit hours\*

Code	Title	Credit Hours
<b>Select four courses (12 credits) from the following:</b>		
NAN 602	Physical Biology	3
NAN 610	Systems and Synthetic Biology	3
NAN 620	Immunology	3
NAN 625	Molecular Biology in Nanosciences	3
NAN 630	Advances in Nano-Biosensors	3
NAN 635	Nanomechanics	3
NAN 641	SemiSynBio, Advanced Materials, and Beyond	3
NAN 655	Biomimetics and Biomaterials	3
<b>Total Credit Hours</b>	<b>12</b>	

\* Transfer courses may not be used to satisfy the certificate requirements.

# SCHOOL OF NURSING

Nursing and Instructional Building  
1007 Walker Avenue  
Greensboro, NC 27412  
336-334-5400  
<http://nursing.uncg.edu>

## Administration

**Debra J. Barksdale, Dean**

**Yvonne D. Eaves, Senior Associate Dean for Academics**

**Audrey Snyder, Associate Dean for Community Engagement and Academic Partnerships**

**Debra Wallace, Associate Dean for Research and Scientific Advancement**

**Kristie Davis-Collins, Director of the Pre- and Post-Licensure Programs**

**Wanda Williams, Director of the Advanced Nursing Programs**

**Susan Letvak, Director of the Ph.D. Program**

**Amber Vermeesch, Department Chairperson, Advanced Nursing Education**

**Pamela Johnson Rowsey, Department Chairperson, Professional Nursing Education**

## Mission

At the UNC Greensboro School of Nursing we are taking giant steps anchored by transformation and focused on: Inclusive Communities, Passionate People, Innovative Practices and Extraordinary Outcomes.

The School of Nursing offers an undergraduate program leading to the Bachelor of Science in Nursing degree. The first two years of study are in general education, basic sciences, humanities, and basic nursing. The majority of work in the junior and senior years is in nursing. An RN-BSN program is offered for Registered Nurses who hold an Associate's degree or Diploma in Nursing.

The School of Nursing offers a Master of Science in Nursing degree to prepare persons for a role in nursing leadership and management. The School, along with the Bryan School of Business and Economics, offers the M.S.N./M.B.A. The School of Nursing offers the Doctor of Nursing Practice to prepare advanced practice nurses and executive nurse leaders. The School of Nursing offers the Ph.D. in Nursing to prepare nurses as scientists in academia and industry.

## Undergraduate

### About

The School of Nursing offers a pre-licensure undergraduate program leading to the Bachelor of Science in Nursing Degree. The first two years of study are in general education, basic sciences, and humanities. The majority of the work in the junior and senior years is in nursing. A Veterans' Access Program (VAP) is also offered, leading to the Bachelor of Science in Nursing degree. Additionally, the School offers a Registered Nurse to B.S.N. program, where licensed RNs prepared at the diploma or associate degree level can earn a Bachelor of Science in Nursing.

### Accreditation

The pre-licensure BSN program offered by the School of Nursing is approved by the North Carolina Board of Nursing.

The Bachelor of Science in Nursing program at UNC Greensboro is accredited by the Commission on Collegiate Nursing Education (<http://www.ccneaccreditation.org> (<http://www.ccneaccreditation.org/>)).

Please see complete details on School of Nursing admission, policies, requirements, programs, and courses, programs, and courses.

Students are responsible for all costs associated with their own health care. Students are required to have health insurance through a private source or through the option offered by the University. Students are responsible to provide their own transportation to clinical experiences.

## Graduate

### About

The School of Nursing offers the Master of Science in Nursing degree program which is designed to prepare persons for leadership roles in nursing leadership and management. The School of Nursing also offers two Doctoral degrees—the Doctor of Nursing Practice and the Doctor of Philosophy. The Doctor of Nursing Practice program is designed to prepare advanced practice clinicians and executive nurse leaders. The Doctor of Philosophy program prepares nurse scientists for roles in academia and industry. Admission by The Graduate School does not guarantee admission to a specific concentration.

### Accreditation(s)

The Master of Science in Nursing and the Doctor of Nursing Practice programs at UNC Greensboro are accredited by the Commission on Collegiate Nursing Education (<http://www.ccneaccreditation.org>).

The Nurse Anesthesia concentration of the Doctor of Nursing Practice program is also accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, 222 South Prospect Ave., Suite 304, Park Ridge, IL 60068-4010, phone 847-655-1160, <http://coacrn.org>.

## Graduate Programs

- Post-Baccalaureate Certificate in Advanced Practice Foundations
- Post-Baccalaureate Certificate in Nursing Leadership and Management
- Post-Baccalaureate Certificate in Nursing
- Master of Science in Nursing, M.S.N. with Nursing Leadership and Management concentration or Family Nurse Practitioner concentration
- Master of Science in Nursing/Master of Business Administration, M.S.N./M.B.A. in Health Management [*Offered jointly by the School of Nursing and the Bryan School of Business and Economics*]
- Doctor of Nursing Practice, D.N.P. with Post-Baccalaureate Adult/Gerontological Primary Care Nurse Practitioner concentration, Post-Baccalaureate Nurse Anesthesia concentration, or Post-Master's concentration
- Doctor of Philosophy, Ph.D. in Nursing

## Enrollment Requirements for All Graduate Nursing Students

- Evidence of current liability insurance coverage appropriate to concentration or program.
- A three hour chemistry course for anesthesia concentration.
- Competency in basic health assessment prior to NUR 651, NUR 713, NUR 713L, and NUR 771A/NUR 771B.
- Completion of statistics course prior to enrollment in NUR 705 or NUR 715.
- An approved criminal background check prior to enrollment in clinical courses, including NUR 614, NUR 651, NUR 713, NUR 713L, NUR 742, NUR 771A/NUR 771B, and NUR 790.

- Satisfactory completion of Advanced Cardiac Life Support (ACLS) for nurse anesthesia students. All other concentrations require Basic Life Support (BLS) prior to enrollment in clinical practice.
- Evidence of all immunizations identified on Parts A and B of the UNC Greensboro Health History and Immunization Form, excluding the meningococcal vaccine.
- Other requirements, for example, influenza vaccine and drug screens, may be necessary to meet contractual agreements with affiliating clinical agencies.

Prior to enrollment in clinical courses, internships, or project/thesis/dissertation coursework, students must provide evidence of current unrestricted North Carolina licensure as a registered nurse or unrestricted RN licensure in a state covered by the multi-state Nurse Licensure Compact. Students who are residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse. Ph.D. students should refer to the admissions requirements for that program for more information on nurse licensure requirements.

Students should provide evidence of nursing licensure and BLS to the School of Nursing Office of Student Services and evidence of health history and immunizations to the UNC Greensboro Student Health Services. Copies of all records, including immunizations, should be retained by the student to submit to the School of Nursing credentialing system prior to enrollment in clinical courses.

Students are responsible for all costs associated with their own health care. Students are required to have health insurance through a private source or through the option offered by the University. Students are responsible to provide their own transportation to clinical experiences.

## **Physical and/or Emotional Problems That Do Not Respond to Treatment**

Students in any program can be dismissed from the School of Nursing for physical and/or emotional problems that do not respond to appropriate treatment and/or counseling within a reasonable period of time.

### **Investigation and Evaluation**

When faculty members identify a student who presents physical and/or emotional problems that do not respond to appropriate treatment and/or counseling, they immediately suspend the student from the course. Faculty notify the Course Chair and/or Program Director within the School of Nursing. Upon determination by the faculty, Course Chair and Program Director, that the physical and/or emotional problems warrant dismissal from the School of Nursing, the Dean will be notified.

The Dean, in consultation with the faculty, and upon review of the documentation, will make a decision regarding recommending dismissal of the student from the School of Nursing.

The Dean of Nursing will send to the Dean of the Graduate School written notification of the recommendation. If the Dean of Nursing recommends dismissal from the School of Nursing, the Dean of the Graduate School will notify the student. Should the student wish to appeal the decision, the student will submit a written request to the School of Nursing Appeals Committee. The Dean of Nursing will provide to the committee the accumulated correspondence or documentation related to the issue.

A request for an appeal should occur within seven working days of written notification of the decision from the Dean of the Graduate School.

### **Hearing Process**

The chairman of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, Course Chair and Program Director as to the time and place for a hearing to determine whether the physical and/or emotional problems warrant dismissal.

The Committee will hold a closed hearing within ten days at which time the faculty member, Course Chair and Program Director will be present and will provide documentation and other oral or written evidence regarding the incident. The student will be present and will be given an opportunity to provide documentation and other oral or written evidence regarding the problem. The student will be allowed an advocate/support person at the hearing; however, the support cannot speak.

Following the factual presentation, the Committee will convene in executive session to determine whether the problem warrants dismissal from the School.

The Committee shall make its recommendation in writing to the Dean of Nursing and forward pertinent documentation. The Committee may recommend dismissal from the School of Nursing major, or reinstatement in the program.

### **Post Hearing Process**

The Dean of Nursing may accept, reject, or modify the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report to the Committee. If the Dean of Nursing accepts the Committee's recommendation to dismiss the student from the School of Nursing, the recommendation will be forwarded to the Dean of the Graduate School who will notify the student. The Dean of Nursing will notify the faculty member(s) as to the determination.

A student who has been dismissed may reapply for admission to the School of Nursing.

## **Policy on Unsafe Practice**

The nursing faculty of the School of Nursing have an academic, legal, and ethical responsibility to prepare graduates who are competent as well as to protect the public and health care community from unsafe nursing practice. It is within this context that students can be disciplined or dismissed from the School of Nursing for practice or behavior which threatens or has the potential to threaten the safety of a client, a family member or substitute familial person, another student, a faculty member, or other health care provider.

### **Student Awareness**

All students are expected to be familiar with the principles of safe practice and are expected to perform in accordance with these requirements. Within courses, counseling and advising processes, and other instructional forums, students will be provided with the opportunity to discuss the policy and its implications.

### **Definition**

An unsafe practice is defined as:

An act or behavior of the type which violates the North Carolina Nursing Practice Act, Article 9 of Chapter 90 of the North Carolina General Statutes (NCGS 90-171.37; 90-171.44).

An act or behavior of the type which violates the Code of Ethics for Nurses of the American Nurses Association.

An act or behavior which threatens or has the potential to threaten the physical, emotional, mental or environmental safety of the client, a family

member or substitute familial person, another student, a faculty member or other health care provider. For prelicensure undergraduate students this is defined as any Reckless Behavior or repeated At Risk Behavior as identified on the NCBON Just Culture Nursing Student Practice Event Evaluation Tool (SPEET). See <https://www.ncbon.com/vdownloads/just-culture/just-culture-speet.pdf>.

An act or behavior (commission or omission) which constitutes nursing practice for which a student is not authorized or educated at the time of the incident.

### **Investigation and Evaluation of an Unsafe Practice**

When an incident occurs which a faculty member believes may constitute an unsafe practice, he/she shall immediately notify the student and instruct the student to leave the clinical setting. The faculty member will notify the Course Chair and/or Program Director within the School of Nursing.

The Course Chair and/or Program Director will investigate the incident within three working days to determine whether there are grounds for believing that an unsafe practice has occurred. If the incident is minor, the faculty member, in consultation with the person named above, may require remedial work or instruction for the student.

If the incident is major, the Course Chair or Program Director, in consultation with the involved faculty member, will review the student's clinical performance evaluations, academic record, and potential for successful completion of the major in nursing. Based upon this careful and deliberate review, a decision to reprimand the student, require withdrawal from the clinical course, or to recommend dismissal of the student from the School of Nursing will be made. The Dean will be informed of the decision and will send written notification of the decision to the student via certified mail.

Should the student wish to appeal the decision, the student will submit a written request to the School of Nursing Appeals Committee. The Program Director or course faculty will provide the accumulated correspondence or documentation related to the issue to the Committee.

A request for an appeal should occur within seven working days of receipt of written notification of the decision from the Dean.

### **Hearing Process**

The Chair of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, Course Chair and Program Director as to the time and place for a hearing.

The Committee will hold a closed hearing within ten working days of receipt of the request for an appeal, at which time the faculty member, may be present and will provide documentation and other oral or written evidence regarding the incident. The student will be allowed an advocate/support person at the hearing; however, the support person cannot speak at the hearing and cannot be an attorney.

Following the factual presentation, the Committee will convene in executive session to review the actions taken against the student for unsafe practice and to make a recommendation regarding the resolution of the incident. The Committee will base its recommendation on the evidence presented at the hearing.

The Committee shall make its recommendation in writing to the Dean and forward pertinent documentation. The Committee may recommend the following remedies: support for the action taken, remedial work or

instruction, a reprimand, withdrawal from the course, or dismissal from the School of Nursing.

### **Post Hearing Process**

The Dean may accept or reject the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report of the Committee. The Dean will notify the student and the faculty member(s) as to the decision made. Dismissal from the School of Nursing does not constitute dismissal from the University. A student who has been dismissed may reapply for admission to the School of Nursing.

### **Appeal of Policies**

If a student wishes to appeal a policy in the School of Nursing, the student should complete a "Student Appeal Request." The Student Appeals Committee hears student appeals. Students may obtain the request form and discuss the appeals process with the Chair of the Committee, the Associate Dean for Academic Programs, or the Director of the student's Program.

### **Readmission After Withdrawal**

Any student who is withdrawn or withdraws from the program must apply for readmission through normal admission procedures.

## **Professional Nursing Education**

### **Professor**

Debra C. Wallace, *Daphine Doster Mastroianni Distinguished Professor<sup>G</sup>*

### **Lecturer**

Joy Hudson Olczak

## **Advanced Nursing Education**

### **Professor**

Audrey Snyder<sup>G</sup>

*G Graduate-level faculty*

- Nursing, B.S.N. (p. 747)
- Nursing, M.S.N. (p. 757)
- Health Management, M.S.N./M.B.A. (p. 772)
- Doctor of Nursing Practice, D.N.P. (p. 759)
- Nursing, Ph.D. (p. 761)
- Advanced Practice Foundations, Post-Baccalaureate Certificate (p. 762)
- Nursing Leadership and Management, Post-Baccalaureate Certificate (p. 763)
- Nursing, Post-Baccalaureate Certificate (p. 763)

\* The Health Management, M.S.N./M.B.A. is jointly offered by the School of Nursing and the UNCG M.B.A. Program in the Bryan School of Business and Economics.

# Nursing, B.S.N.

The School of Nursing offers an undergraduate program leading to the Bachelor of Science in Nursing Degree. The first two years of study are in general education, basic sciences, and humanities. The majority of the work in the junior and senior years is in nursing. A Veterans' Access Program (VAP) is also offered, leading to the Bachelor of Science in Nursing degree. The School also offers a Registered Nurse to B.S.N. program, where licensed RNs prepared at the diploma or associate degree level can earn a Bachelor of Science in Nursing.

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**The Nursing B.S.N., R.N. to B.S.N. concentration is available in traditional as well as online formats.**

## Accreditation

The pre-licensure Bachelor of Science in Nursing program offered by the School of Nursing is approved by the North Carolina Board of Nursing.

The Bachelor of Science in Nursing program at UNC Greensboro is accredited by the Commission on Collegiate Nursing Education (CCNE) (<http://www.ccneaccreditation.org>).

## Admissions and Policies

### Nursing B.S.N.

#### Admission and Progression

#### Admission for Pre-licensure Students

Students must be formally admitted to the School of Nursing which is an upper division major. Only students who have formal, written acceptance into the School will be permitted to register in nursing courses and complete work for the major. Admission should normally be sought during the sophomore year. The application deadline is February 1 of each year. Applications are obtained from the Advising Center in the School of Nursing. Transcripts from all post-secondary schools attended must be submitted with the application.

#### Technical Standards for Admission, Academic Progression, and Graduation

Consistent with its mission and philosophy, the School of Nursing at The University of North Carolina at Greensboro (UNC Greensboro) is committed to providing educational opportunities to facilitate student learning. The School of Nursing programs prepare students to think critically and practice nursing competently and compassionately in rapidly changing practice environments. All efforts are designed to build nursing knowledge, enhance nursing practice and patient safety, foster professional integrity, and ultimately improve the health outcomes of individuals, families, groups, and communities across the continuum of care. Certain functional abilities also are essential for the delivery of safe, effective nursing care. The UNC Greensboro faculty have determined that the technical standards listed below must be met by all students for admission, progression and graduation from the undergraduate and graduate nursing programs, with or without reasonable accommodations. If a student is unable to meet these technical standards, the student will not be allowed admission, or to remain enrolled in or to graduate from the nursing program.

In addition to classroom learning, clinical learning occurs throughout the program and involves considerations that are not present for classroom accommodations (such as patient safety and clinical facility

requirements). Any applicant or student who seeks accommodations prior to or immediately after enrolling in the nursing programs must also request an assessment of the types of reasonable accommodations needed for all the types of clinical experiences required in the nursing program.

An individual must be able to independently, with or without reasonable accommodation, meet the following technical standards of general abilities and those specifically of: a) communication; b) motor; c) observation; d) cognitive, conceptual, and quantitative; e) behavioral and interpersonal attributes; and f) professional conduct. Individuals unable to meet these technical standards, with or without reasonable accommodation, will not be able to complete the program and are encouraged to pursue other careers.

**General abilities:** The student is expected to possess functional use of the senses of vision, touch, hearing, and smell so that data received by the senses may be integrated, analyzed and synthesized in a consistent and accurate manner. A student must also possess the ability to perceive pain, pressure, temperature, position, vibration, and movement, which are important to the student's ability to gather significant information needed to effectively assess and evaluate patients. A student must be able to respond promptly to urgent situations that may occur during clinical activities including, but not limited to, performing basic life support, paging the rapid response team, operating equipment at the bedside, and asking another nurse for assistance and must not hinder the ability of other members of the health care team to provide prompt patient care.

**Communication abilities:** The student must communicate effectively and sensitively both verbally and non-verbally to elicit information and to translate that information to others with whom they interact. The student must have the ability to read, write, comprehend, and speak the English language to facilitate communication with patients, family members, and other members of the health care team. In addition, the student must be able to review and maintain accurate patient records, present information in a safe, professional and logical manner, and provide patient education and counseling to effectively care for patients and their families. The student must possess verbal and written communication skills that permit effective communication with instructors, clinical staff, and other students in both the classroom, laboratory, and clinical settings.

**Motor abilities:** The student must be able to perform gross and fine motor movements with sufficient coordination needed to perform complete physical examinations utilizing the techniques of inspection, palpation, percussion, auscultation, and other diagnostic maneuvers. The student must develop the psychomotor skills reasonably needed to perform or assist with procedures, treatments, administration of medication, management and operation of diagnostic and therapeutic medical equipment, and such maneuvers required to assist with patient care activities such as lifting, wheelchair guidance, and ambulation. The student must possess the manual dexterity that is required for certain activities, such as drawing up solutions into a syringe. The student must have sufficient levels of neuromuscular control and eye-hand coordination, as well as possess the physical and mental stamina to meet the demands associated with extended periods of sitting, standing, moving, and physical exertion required for satisfactory and safe performance in the clinical and classroom settings. These include, but are not limited to, performing CPR, and completing a typical nurse's clinical assignment, including working a 12-hour shift.

**Observation abilities:** The student must have sufficient capacity to make accurate visual observations and learn from demonstrations in

the clinical, classroom, and laboratory settings. Likewise, the student must have sufficient capacity to perform health assessments and interventions; observe diagnostic specimens; and obtain information from digital, analog, and waveform representations of physiologic phenomena to determine a patient's condition. In addition, the student must be able to accurately document these observations.

**Cognitive, Conceptual, and Quantitative abilities:** The student must be able to develop and refine problem-solving skills that are critical to practice as a competent nurse. Problem-solving includes the abilities to measure, calculate, reason, analyze, and synthesize objective and subjective data, and to make sound decisions, often in a time urgent environment, that reflect consistent and thoughtful deliberation and sound clinical judgment. The student must have sufficient capacity to comprehend three-dimensional and spatial relationships. Each student must demonstrate mastery of these skills and possess the ability to incorporate new information from peers, instructors, preceptors, and the health-related literature to formulate sound judgment in patient assessment, care planning, intervention, and evaluation of care.

**Behavioral and Interpersonal attributes:** Personal comfort with and acceptance of the role of a nurse functioning under supervision of a clinical instructor or preceptor is essential for a nursing student. The student must possess the emotional health required for full utilization of the student's intellectual abilities; the exercise of good judgment; the prompt completion of all responsibilities in the classroom and clinical settings; and the development of mature, sensitive, and effective relationships with patients and other members of the health care team.

Each student must be able to exercise stable, sound judgment and to successfully complete patient assessments and nursing interventions in a timely manner. Understanding that all student interactions with patients, instructors, preceptors, and other members of the health care team are confidential and are not shared with others is critical in establishing ethical and professional nursing practice. The ability to establish rapport and maintain sensitive, interpersonal relationships with individuals, families, and groups from a variety of social, emotional, cultural and intellectual backgrounds is critical for nursing practice. The student must be able to adapt to changing environments; display flexibility; accept and integrate constructive criticism given in the classroom and clinical settings; effectively interact in the clinical setting with other members of the health care team; and learn to function cooperatively and efficiently in the face of uncertainties inherent in clinical practice.

**Professional Conduct:** The student must be willing to learn and abide by professional standards of practice. They must possess attributes that include compassion, empathy, altruism, integrity, honesty, responsibility, and tolerance. The student must be able to engage in patient care delivery in all settings and be able to deliver care to all patient populations including, but not limited to, children, adolescents, adults, individuals with disabilities, medically compromised patients, and vulnerable adults. The student also must be able to adapt to and function effectively in stressful situations that may occur in the classroom and in the clinical settings, including emergency situations. The student may encounter and must be able to navigate multiple stressors while in the nursing program, including, but are not limited to, personal, patient care, family, faculty/peer, and or program related.

UNC Greensboro's mission is to provide optimal educational opportunities for all students, including those with disabilities. The University recognizes that reasonable accommodations may be necessary for students with disabilities to have access to campus programs and facilities. In general, University policy calls for

accommodations to be made on an individualized and flexible basis for qualified students with disabilities. Students are responsible for seeking assistance at the University and making their needs known. Any applicant or student with questions or concerns about their ability to meet these technical standards, with or without accommodations, or who would like to arrange reasonable accommodations, should contact the Office of Accessibility Resources & Services (<https://ods.uncg.edu/>) at (336) 334-5440 or oars@uncg.edu.

## Process for Requesting Reasonable Accommodation

### Optional Disclosure Prior to Admission

Candidates for admission to the School of Nursing are not required, prior to admission, to disclose that they will require reasonable accommodations in order to meet the Technical Standards. Candidates may, however, voluntarily disclose prior to admission the fact that they will require reasonable accommodations to meet the Technical Standards. If the student elects voluntarily disclosure before admission, this information will not be considered by the university on the question of whether the student should be admitted. Instead, assuming the student is admitted, the information will be used after admission to determine whether the student will be provided any requested accommodations pursuant to the process described below.

### Disclosure After Admission

If the student requests a reasonable accommodation in a timely fashion, an interactive process involving the student, Associate Dean for Academic Programs in the School of Nursing, relevant faculty members and the Office of Accessibility Resources and Services will be commenced to determine what, if any, accommodations will be provided to the student.

In all cases where a student has requested an accommodation in a timely fashion, the student must cooperate with the Associate Dean for Academic Programs in the School of Nursing and Office of Accessibility Resources and Services in an interactive process to determine whether the student is qualified for accommodations and what, if any, accommodations will be provided pursuant to applicable laws. The Office of Accessibility Resources and Services will assist the student in coordinating documentation and evaluation of the student, which may include asking the student to provide requested documentation of a qualified disability.

No accommodation will be offered that would jeopardize the safety of patients or clients or the university student. No accommodation will be offered that would fundamentally alter or substantially compromise these technical standards or any other academic standards deemed essential to graduation by the university, including all course work, fieldwork, clinical practica, and internships.

## Minimum Criteria for Admission

Students may not enroll in required nursing courses without being admitted to the School. Application for admission is possible while students are still completing the prerequisite courses, but unconditional admission cannot be granted until admission criteria have been successfully completed.

Admission to the university does not guarantee acceptance into the nursing major. Various health care agencies in Piedmont North Carolina cooperate with the School of Nursing in providing clinical learning experiences for students. The size of each incoming junior class is determined by the availability of these clinical resources. Therefore, it is impossible to assure space for every student who meets the criteria.

**1. GPA**

Overall grade point average of 3.0 or higher

**2. Minimum grade**

A grade of C (2.0) or better in each of the courses listed below.

Code	Title	Credit Hours
BIO 271 or KIN 291	Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory	
BIO 277 or KIN 292	Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory	
BIO 280	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory	
CHE 104	General Descriptive Chemistry II	
HDF 111	Human Development Across the Life Span	
NTR 213	Introductory Nutrition	
PSY 121	General Psychology	
STA 108	Elementary Introduction to Probability and Statistics	
<i>Select one of the following:</i>		
ATY 100	Modern Cultural Diversity	
RCO 215	Residential College Seminar in Social and Behavioral Studies	
SOC 101	Introduction to Sociology	
SOC 202	Social Problems in Global Context	
<i>Select one of the following:</i>		
PHI 121	Contemporary Moral Problems	
PHI 220	Medical Ethics	
RCO 203	Residential College Seminar in Philosophical/ Religious/Ethical Principles	

**3. Repeat**

No more than two of the above prerequisite courses may be repeated to earn the minimum required grade or better. Prerequisite courses may be repeated only one time.

**Priority Admissions**

Priority in admission (subject to space availability) will be granted to students who meet the criteria detailed below.

**1. Status**

Enter UNC Greensboro as new, first-time freshmen.

**2. Cumulative GPA**

Earn a cumulative GPA of 3.50 by the end of the third semester.

**3. Courses**

Complete the items below by the end of the third semester, with a 3.0 (B) or better in each course completed. Courses must be completed at UNC Greensboro.

Code	Title	Credit Hours
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**Science Courses**

Select all but one of the following:

CHE 104	General Descriptive Chemistry II
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BIO 271 or KIN 291	Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory
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BIO 277 or KIN 292	Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory
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BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory
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**Prerequisites**

Select at least one of the following:

NTR 213	Introductory Nutrition
STA 108	Elementary Introduction to Probability and Statistics
PHI 121	Contemporary Moral Problems
PHI 220	Medical Ethics
RCO 203	Residential College Seminar in Philosophical/ Religious/Ethical Principles

**4. Residency**

Complete 3 semesters at UNC Greensboro (minimum of 45 credits)

- Earn a score of 78 or above on the ATI TEAS-V (Test of Essential Academic Skills).
- Meet all other admission requirements for the upper division nursing major.

**Non-Priority Admissions**

Students who do not meet the criteria for Priority Admissions above, but who meet the Minimum Criteria for Admission, may still apply for admission.

The process for admission will consider the items listed below.

- Cumulative GPA for all college-level courses completed
- Grades earned in the required science, social science, and English courses
- Grade improvement over time
- Score on the TEAS-V (Test of Essential Academic Skills)
- Probability of completing all required courses in the next four semesters
- Availability of space.

**Registered Nurses**

RNs interested in completing the B.S.N. degree need to meet the university's requirements for admission. A registered nurse who brings advanced placement may build a minor in order to complete the 120 credits required for graduation.

Registered nurse students must make a C (2.0) or better in the qualifying courses\* to be admitted into the 400-level nursing courses. Thirty (30) hours of credit will be awarded to RN-BSN students for completion of associate or diploma nursing courses upon satisfactory completion of the qualifying courses\*.

Registered nurse students must provide evidence of current, active, unrestricted RN licensure prior to admission to the required 300-level courses, and must have a current, active, unrestricted North Carolina RN license prior to enrollment in the required 400-level courses.

Registered nurse students who hold unrestricted RN licenses in states covered by the multi-state Nurse Licensure Compact do not need to be licensed separately in North Carolina, unless they become residents of North Carolina. See the NC Board of Nursing website at [www.ncbon.com/](http://www.ncbon.com/) (<https://www.ncbon.com/>). The length of time required to complete the program varies with each individual.

\* *Qualifying Courses:*

- NUR 370
- NUR 371

## Criteria for Progression in the Major

1. Students must earn a grade of C (2.0) or better in all required 200- to 400-level nursing courses in order to progress and graduate. An overall grade point average of 2.0 or better is required to graduate.
2. Failure to earn a grade of C (2.0) or better will result in immediate dismissal from the School of Nursing.
3. Students in the upper division clinical nursing courses who interrupt their studies for personal or academic reasons for longer than one year must reapply for admission to the upper division. (This item does not apply to RN to B.S.N. students).
4. The required 200- to 400-level courses in the pre-licensure program are designed to be completed in two academic years. Students who voluntarily withdraw from one or more of these required courses are considered to have withdrawn from the program and must apply for readmission prior to enrolling in the next semester.

## Grading in Practicum and Laboratory

A grade of unsatisfactory in lab or clinical practicum in nursing courses will result in a course grade of F.

## Appeal Procedure Related to Progression Policies

If a student wishes to appeal a policy in the School of Nursing, the student should complete a "Student Appeal Request." The Student Appeals Committee hears student appeals. Students may obtain the request form and discuss the appeals process with the Chair of the Committee or the Associate Dean for Academic Programs. The Student Appeal Request form may be printed from the School of Nursing website, <http://nursing.uncg.edu>.

## General Information

1. Substitutions for prerequisite courses may be made with prior approval from the Office of the Associate Dean, School of Nursing.
2. Qualified students are encouraged to take Honors courses in the arts and sciences.
3. All students are encouraged to take either Advanced Placement Exams, Biology Department exemption exam, or CLEP exam for the BIO prerequisite course.\*
4. The pre-licensure B.S.N. program is designed to be completed in 9 semesters [four academic years plus one summer] of full-time study. Some students may wish to spread the requirements over 10 semesters, or to attend additional summer school. Depending on the number of transfer hours a student brings to UNC Greensboro, registered nurses may be able to complete the program in 3 semesters of full-time study, but part-time study is also available.
5. A detailed School of Nursing Student Handbook that contains additional information is available on the Web at [nursing.uncg.edu](http://nursing.uncg.edu) (<https://nursing.uncg.edu/>).

6. Graduates of the pre-licensure program are eligible to apply for licensure as a registered nurse. Applicants for initial licensure in North Carolina must have a criminal background check. See the website for the NC Board of Nursing ([www.ncbon.com/](http://www.ncbon.com/) (<https://www.ncbon.com/>)) for requirements for licensure.

\* *BIO 111/BIO 111L is a prerequisite for the following:*

- BIO 271/BIO 271L
- BIO 277/BIO 277L
- BIO 280/BIO 280L
- KIN 291
- KIN 292

## Clinical Information

1. Nursing majors are required to purchase uniforms; estimated cost is \$180. Uniforms are required for clinical activities in the 200- to 400-level nursing courses. Students usually purchase uniforms in the second semester of the sophomore year.
2. Students enrolled in 200- to 400-level courses with a clinical component are responsible for their own transportation to and from the agencies used for clinical activities/practicum experiences. Car owners are reminded that current liability insurance is required by North Carolina law.
3. Students admitted to the major must provide evidence of the following by July 1 (forms will be sent to students earlier in the summer):
  - a. Annual negative results from either a QuantiFERON or T-Spot blood test. Students with a positive result from a QuantiFERON or T-Spot test should see their Health Care Provider for a chest x-ray.
  - b. A tetanus toxoid immunization—every ten years with at least one Tetanus, Diphtheria and Pertussis (Tdap)immunization since age 12 years.
  - c. Rubella and Measles evidence as required by the university
  - d. Evidence of a positive titer for Mumps or evidence of two doses of Mumps vaccine (evidence of 2 MMR is acceptable)
  - e. Evidence of chicken pox immunization or positive titer
  - f. Evidence of Hepatitis B immunization. Students who begin their series of immunizations after January 1, 2007 must also have evidence of a post-vaccination positive titer, or evidence of revaccination, unless they are still in the initial course of immunization. For students in the pre-licensure program, the initial series must be started prior to the first year of clinical, and a positive titer or evidence of beginning the second series of immunization is required prior to the start of the second year of clinical.
  - g. Evidence of immunization against influenza (seasonal flu shot) in the last 12 months or declination form on file in the School of Nursing—annual requirement
  - h. Evidence of certification by the American Heart Association in Health Care Provider cardiopulmonary resuscitation (CPR). Students must remain continuously certified in American Heart Association Health Care Provider CPR.

- i. Satisfactory evaluation signed by the student's physician, nurse practitioner, or physician's assistant indicating the applicant's physical and emotional health to provide nursing care. Rarely, immunization requirements must be changed on short notice. Students will be informed of changes as soon as they occur.
- 4. Registered nurse students are responsible for items listed under "General Information", with the following modifications:
  - a. Registered nurses are not required to purchase uniforms, but must wear identifying name tags and lab coats or uniforms appropriate to the clinical setting. Specific requirements will be discussed in each clinical course.
  - b. Immunization requirements listed must be on file in the School of Nursing prior to beginning a clinical course. Forms are sent to students who preregistered for clinical courses. Students who do not preregister and have not received the immunization forms should stop by the Advising Center of the School of Nursing to obtain the forms.
  - c. The letter of physical and emotional health to provide nursing care is not required for Registered Nurse students.
- 5. Students are responsible for all costs associated with their own health care. On-campus students taking six (6) or more credits are required to have health insurance. Other students are encouraged to have health insurance, and to be familiar with its provisions.
- 6. Beginning January 1, 2005, all nursing students must have an approved criminal background check prior to beginning clinical activity. For RN to B.S.N. students, results must be submitted prior to beginning the Nursing Practicum course work or any other course with a clinical component (by August 1 for fall semester or December 1 for spring semester). For students in the pre-licensure program, results must be submitted by June 1, prior to enrolling in the required 300-level nursing courses. The university has contracted with Certiphi.com (<http://Certiphi.com>) to perform this service. The cost is to be paid by the student.

The results will be kept in the student's School of Nursing file and will be destroyed upon graduation, withdrawal, or termination from the program. The Associate Dean for Academic Affairs will receive the results of the criminal background check of each undergraduate student. The School will not use this information in any way except to verify to clinical agencies that students have been subjected to the background check and to release a copy of the information to the agency, if requested. Students must sign two release forms (copies available in the Student Affairs Office), which will authorize the release of the information to the clinical agency, if requested. Directions on obtaining the background check are available in the Student Affairs Office.

This criminal background check does not replace the one that will be done by the N.C. Board of Nursing prior to initial licensure as a registered nurse (see item #5).

- 7. Beginning July 1, 2009, all students must have a negative urine drug screen by a National Institute of Drug Abuse (NIDA)-approved lab prior to clinical activity. The screen must test for the following drugs: AMP (amphetamine), BAR (barbiturates), BZO (benzodiazepines), COC (cocaine), THC (marijuana), MTD (methadone), mAMP (methamphetamine), MDMA (ecstasy), OPI

(opiate), PCP (Phencyclidine), PPX (propoxyphene), ALC (alcohol), and OXY (oxycodone). In some cases, such as when results are inconclusive, it will be necessary to repeat the test. Note: Many labs in North Carolina are not NIDA-approved. The agency has contracted with Corporate Screening to do the drug screens, although tests from other NIDA-approved labs are acceptable if they screen for all the required drugs. Directions on obtaining the drug screens from Corporate Screening are available in the Student Affairs Office.

- 8. If none of the clinical agencies under contract with the School of Nursing are willing to allow a student to participate in clinical activities at that agency because of information gathered from urine drug screen testing, background check, or other pre-clinical screening required by clinical agencies, the student will be required to withdraw from the nursing program.

## Policies for Nurses

### Unsafe Practice Policy

The nursing faculty of the School of Nursing have an academic, legal, and ethical responsibility to prepare graduates who are competent as well as to protect the public and health care community from unsafe nursing practice. It is within this context that students can be disciplined or dismissed from the School of Nursing for practice or behavior which threatens or has the potential to threaten the safety of a client, a family member or substitute familial person, another student, a faculty member, or other health care provider.

### Student Awareness

All students are expected to be familiar with the principles of safe practice and are expected to perform in accordance with these requirements. Within courses, counseling and advising processes, and other instructional forums, students will be provided with the opportunity to discuss the policy and its implications.

### Definition

An unsafe practice is defined as listed below.

1. An act or behavior of the type which violates the North Carolina Nursing Practice Act, Article 9 of Chapter 90 of the North Carolina General Statutes (NCGS §90-171.37; §90-171.44)
2. An act or behavior of the type which violates the Code of Ethics for Nurses of the American Nurses' Association
3. An act or behavior which threatens or has the potential to threaten the physical, emotional, mental or environmental safety of the client, a family member or substitute familial person, another student, a faculty member or other health care provider
4. An act of behavior (commission or omission) which constitutes nursing practice for which a student is not authorized or educated at the time of the incident.

### Investigation and Evaluation of an Unsafe Practice

When an incident occurs which a faculty member believes may constitutes an unsafe practice, he/she shall immediately notify the student and instruct the student to leave the clinical setting. The faculty member will notify the Course Chair and/or Program Director within the School of Nursing.

The Course Chair and/or Program Director will investigate the incident within three working days to determine whether there are grounds for believing that an unsafe practice has occurred. If the incident is minor,

the faculty member, in consultation with the Course Chair or Program Director may require remedial work or instruction for the student.

If the incident is major, the Course Chair or Program Director, in consultation with the involved faculty member, will review the student's clinical performance evaluations, academic record, and potential for successful completion of the major in nursing. Based upon this careful and deliberate review, a decision to reprimand the student, require withdrawal from the clinical course, or to dismiss the student from the School will be made.

The Dean will be informed of the decision and will send written notification of the decision to the student via certified mail.

Should the student wish to appeal the decision, the student will submit a written request to the School of Nursing Appeals Committee. The Program Director will provide the accumulated correspondence or documentation related to the issue to the committee. A request for an appeal should occur within seven (7) working days of receipt of written notification of the decision from the Dean.

### **Hearing Process**

The Chair of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, Course Chair, and Program Director as to the time and place for a hearing.

The Committee will hold a closed hearing within ten (10) working days of receipt of the request for an appeal, at which time the faculty member, Course Chair, and Program Director may be present and provide documentation and other oral or written evidence regarding the incident. The student may be present and will be given an opportunity to provide documentation and other oral or written evidence regarding the incident. The student will be allowed an advocate/support person at the hearing; however, the support person cannot be an attorney, and will not be permitted to speak.

Following the factual presentation, the Committee will convene in executive session to review the actions taken against the student for unsafe practice and to make a recommendation regarding the resolution of the incident. The Committee will base its recommendation on the evidence presented at the hearing. The Committee shall make its recommendation in writing to the Dean and forward pertinent documentation.

The Committee may recommend the following remedies: support for the action taken, remedial work or instruction, a reprimand, withdrawal from the course, or dismissal from the School of Nursing.

### **Post-Hearing Process**

The Dean may accept or reject the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report of the Committee. The Dean will notify the student and the faculty member(s) as to the decision made.

Dismissal from the School of Nursing does not constitute dismissal from the university.

A student who has been dismissed may reapply for admission to the School of Nursing.

## **Dismissal of Students Who Present Physical or Emotional Problems That Do Not Respond to Treatment Policy**

Students can be dismissed from the School of Nursing for Physical and/or emotional problems that do not respond to appropriate treatment and/or counseling within a reasonable period of time.

### **Investigation and Evaluation**

When faculty members identify a student that presents physical and/or emotional problems that do not respond to appropriate treatment and/or counseling, they immediately suspend the student from the course. Faculty notify the Course Chair and/or Program Director within the School of Nursing. Upon determination by the faculty, Course Chair, and Program Director, that the physical and/or emotional problems warrant dismissal from the School of Nursing, the Dean will be notified. The Dean, in consultation with the faculty, and upon review of the documentation, will make a decision regarding dismissal of the student from the School of Nursing. The Dean will send written notification of the decision to the student. Should the student wish to appeal the decision the student will submit a written request to the School of Nursing Appeals Committee. The Dean will provide the accumulated correspondence or documentation related to the issue to the committee.

A request for an appeal should occur within seven (7) working days of written notification of the decision from the Dean.

### **Hearing Process**

The Chair of the School of Nursing Appeals Committee will thereafter notify the student, the faculty member, the Course Chair, and Program Director as to the time and place for a hearing to determine whether the physical and/or emotional problems warrant dismissal.

The committee will hold a closed hearing within ten (10) working days at which time the faculty member, Course Chair, and Program Director will be present and will provide documentation and other oral or written evidence regarding the incident. The student will be present and will be given opportunity to provide documentation and other oral or written evidence regarding the problem.

The student will be allowed an advocate/support person at the hearing; however, the support person cannot be an attorney, and will not be permitted to speak.

Following the factual presentation, the Committee will convene in executive session to determine whether the problem warrants dismissal from the School. The Committee shall make its recommendation in writing to the Dean and forward pertinent documentation. The Committee may recommend dismissal from the School of Nursing major, or reinstatement in the program.

### **Post-Hearing Process**

The Dean may accept, reject, or modify the Committee's recommendation. The Dean's decision will be made after review of the minutes of the hearing and report of the Committee. The Dean will notify the student and the faculty member(s) as to the determination.

Dismissal from the School of Nursing does not constitute dismissal from the university.

A student who has been dismissed may reapply for admission to the School of Nursing.

## Nursing B.S.N. Under the Veteran's Access Program (VAP)

### Veteran's Access Program in Nursing

The UNC Greensboro VAP will have three tracks as detailed below.

- One for the non-RN veteran student who wishes to accelerate the program.
- One for the non-RN veteran student who wishes to receive military experience credit for some courses but not accelerate their nursing program.
- One for the RN veteran student in the RN to B.S.N. concentration.

All VAP students will need 120 credit hours to graduate. This may be comprised of transfer credit, credit earned at UNC Greensboro, or credit by competency testing and/or exam; however, 31 credits of course work must be taken at UNC Greensboro.

UNC Greensboro grants a minimum of 6 credits for military experience and basic training. Credit granted is variable based on military occupational specialties and years of service.

**VAP students' Joint Services transcript will be assessed individually to determine specific General Education course requirements, using American Council for Education (ACE) principles.** This process will be used to determine learning gaps for each VAP student. A learning gap analysis will determine the specific courses for which the veteran may be eligible to receive credit through transfer credit evaluation, competency skills testing, and standardized examination.

Overall VAP requirements for the Nursing major are detailed with the information for the general Nursing major.

## Overall Requirements

- 120 credit hours, to include at least 36 credits at or above the 300 course level

## Degree Program Requirements

Code	Title	Credit Hours
University Requirements (p. 849)		
General Education Requirements - Minerva's Academic Curriculum (MAC) (p. 848)		

## Major Requirements

Code	Title	Credit Hours
<b>Major and Related Area Requirements</b>		<b>96</b>
NUR 210 & 210L	Fundamental Concepts in Nursing and Fundamental Concepts in Nursing Lab *	
NUR 220 & 220L	Nursing Assessment of Well Individuals and Nursing Assessment of Well Individuals Lab *	

NUR 320 & 320L	Nursing Care of Individuals with Chronic Physiological Problems and Practicum for Nursing Care of Individuals with Chronic Physiological Problems
NUR 340 & 340L	Health and Illness in Infants, Children and Adolescents and Practicum for Health and Illness in Infants, Children and Adolescents
NUR 360 & 360L	Childbearing and Reproductive Health and Practicum for Childbearing and Reproductive Health
NUR 355A	Pathophysiology and Pharmacology for Nursing I
NUR 355B	Pathophysiology and Pharmacology for Nursing II
NUR 365	Interprofessional Education Seminar
NUR 375	Nursing Informatics and Technology
NUR 380	Nursing Skills
NUR 410 & 410L	Health and Illness in Older Adults and Practicum for Health and Illness in Older Adults
NUR 415	Nursing Leadership and Management
NUR 420 & 420L	Population Health Nursing and Practicum for Population Health Nursing
NUR 430 & 430L	Nursing Care of Individuals with Acute Physiological Problems and Practicum for Nursing Care of Individuals with Acute Physiological Problems
NUR 440	Senior Capstone
NUR 450	Evidence-Based Practice and Nursing Research
NUR 490	Synthesis of Nursing Concepts
BIO 271 & 271L or KIN 291 & 291L	Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory
BIO 277 & 277L or KIN 292 & 292L	Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory
CHE 104 & CHE 110	General Descriptive Chemistry II and Introductory Chemistry Laboratory
HDF 111	Human Development Across the Life Span
NTR 213	Introductory Nutrition
PSY 121	General Psychology
STA 108	Elementary Introduction to Probability and Statistics
<i>Select one of the following:</i>	
PHI 121	Contemporary Moral Problems
PHI 220	Medical Ethics
RCO 203	Residential College Seminar in Philosophical/ Religious/Ethical Principles
<i>Select one of the following:</i>	
ATY 100	Modern Cultural Diversity
SOC 101	Introduction to Sociology
SOC 202	Social Problems in Global Context

RCO 215	Residential College Seminar in Social and Behavioral Studies	<b>Upper-Division Admission</b> Second-degree students must also apply for admission to the upper-division major.																														
<i>* The course listed requires a 3.0 GPA or higher to enroll.</i>																																
<p>Completion of both courses in a two-course sequence of Anatomy and Physiology I and II can be used to substitute for Human Anatomy (or Clinical Human Anatomy) and Human Physiology (or Clinical Human Physiology) courses.</p> <p>Completion of a higher level chemistry course, can be used to substitute for General Descriptive Chemistry I and Introductory Chemistry Laboratory. Completion of 2 higher-level chemistry courses and their labs can be used to substitute for General Descriptive Chemistry I, General Descriptive Chemistry II, and Introductory Chemistry Laboratory.</p> <p>Completion of Psychology 241, Developmental Psychology, from the N.C. Community College System, can be used to satisfy the Human Development Across the Life Span requirement.</p> <p>Requirements listed above must be completed prior to enrolling in 300-level or 400-level nursing courses. Because of the time commitments involved with the 300- and 400-level nursing courses, and the difficulties in scheduling non-nursing courses concurrently with nursing courses, students should try to have most general education requirements completed prior to entering the upper division major.</p>																																
<h2>Residency Requirement</h2> <p>Students must also meet the Residency Requirement of 31 credits of course work earned at UNC Greensboro.</p>																																
<h2>Electives</h2> <p>Electives sufficient to complete 120 total credit hours required for degree.</p>																																
<h3>B.S.N. as a Second Degree Option</h3> <p>Students with a previous baccalaureate degree are considered to have met the liberal education requirements with their first degree.</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td colspan="2"><b>Prerequisite Courses</b></td><td>28</td></tr> <tr> <td>STA 108</td><td>Elementary Introduction to Probability and Statistics</td><td></td></tr> <tr> <td>HDF 111</td><td>Human Development Across the Life Span</td><td></td></tr> <tr> <td>BIO 271 &amp; 271L or KIN 291 &amp; 291L</td><td>Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory</td><td></td></tr> <tr> <td>BIO 277 &amp; 277L or KIN 292 &amp; 292L</td><td>Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory</td><td></td></tr> <tr> <td>BIO 280 &amp; 280L</td><td>Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory</td><td></td></tr> <tr> <td>NTR 213</td><td>Introductory Nutrition</td><td></td></tr> <tr> <td>PSY 121</td><td>General Psychology</td><td></td></tr> <tr> <td>CHE 104 &amp; CHE 110</td><td>General Descriptive Chemistry II and Introductory Chemistry Laboratory</td><td></td></tr> </tbody> </table>			Code	Title	Credit Hours	<b>Prerequisite Courses</b>		28	STA 108	Elementary Introduction to Probability and Statistics		HDF 111	Human Development Across the Life Span		BIO 271 & 271L or KIN 291 & 291L	Human Anatomy and Human Anatomy Laboratory Clinical Human Anatomy and Clinical Human Anatomy Laboratory		BIO 277 & 277L or KIN 292 & 292L	Human Physiology and Human Physiology Laboratory Clinical Human Physiology and Clinical Human Physiology Laboratory		BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory		NTR 213	Introductory Nutrition		PSY 121	General Psychology		CHE 104 & CHE 110	General Descriptive Chemistry II and Introductory Chemistry Laboratory	
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VAP students will be directly admitted to the upper division of the Nursing major after acceptance into the university and successful completion of pre-requisite course credit.

#### **University Requirements**

Completion of other university requirements for the degree. The plan of study for VAP students wishing to accelerate will be determined individually based upon transfer credit and /or competency testing using national exams.

#### **Upper-Level Courses**

62

Satisfactory completion of the required 200- to 400-level courses \*

VAP students may be granted credit by successful completion of national examination for 300-level and selected 400-level Nursing courses, based upon individualized assessment.

NUR 210	Fundamental Concepts in Nursing
NUR 220	Nursing Assessment of Well Individuals
NUR 310 & 310L	Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan and Practicum for Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan
NUR 320 & 320L	Nursing Care of Individuals with Chronic Physiological Problems and Practicum for Nursing Care of Individuals with Chronic Physiological Problems
NUR 340 & 340L	Health and Illness in Infants, Children and Adolescents and Practicum for Health and Illness in Infants, Children and Adolescents
NUR 355	
NUR 360 & 360L	Childbearing and Reproductive Health and Practicum for Childbearing and Reproductive Health
NUR 365	Interprofessional Education Seminar
NUR 375	Nursing Informatics and Technology
NUR 380	Nursing Skills
NUR 385	Critical Reasoning
NUR 395	Transition to Civilian Professional Nursing **
NUR 410 & 410L	Health and Illness in Older Adults and Practicum for Health and Illness in Older Adults
NUR 415	Nursing Leadership and Management
NUR 420 & 420L	Population Health Nursing and Practicum for Population Health Nursing
NUR 430 & 430L	Nursing Care of Individuals with Acute Physiological Problems and Practicum for Nursing Care of Individuals with Acute Physiological Problems
NUR 440	Senior Capstone
NUR 450	Evidence-Based Practice and Nursing Research
NUR 490	Synthesis of Nursing Concepts

- \* Specific related courses in VAP students' plan of study may be substituted for courses on this list based upon individual assessment.
- \*\* VAP students who have been approved to waive NUR 210/NUR 220 must take NUR 395.

## **R.N. to B.S.N.**

### **Nursing B.S.N., R.N. to B.S.N. Concentration Requirements**

North Carolina graduates of an Associate in Applied Science in Nursing program will fall under the RN to BSN Uniform Articulation Agreement, jointly approved by the NC Community College and the University of North Carolina Systems. Students that fall under the Uniform Articulation Agreement are not required to complete General Education (MAC) Requirements. To be eligible for the Uniform Articulation Agreement, a potential student must:

- Enter a NC Community College Nursing program on or after Fall Semester, 2015
- Earn an Associate Degree in Nursing at a NC Community College with a GPA of at least 2.0
- Earn a C or better in all courses included in the first three blocks of the plan.
- Be licensed as an RN prior to applying to the RN to BSN program.

#### **Second Degree R.N. to B.S.N. students:**

Students with a previous baccalaureate degree are considered to have met the liberal education requirements with their first degree.

#### **Students Who Don't Fall into a Category**

Students who graduated from out-of-state schools, private NC institutions, diploma nursing programs, or associate degree nursing programs that are not part of the Articulation Agreement:

Students who do not fall into a category will have to meet all degree requirements including all General Education (MAC) requirements.

Graduates of foreign nursing programs will be advised on an individual basis.

#### **Current License**

RN students must hold a current, active unrestricted RN license in North Carolina or in a state covered by the multi-state Nurse Licensure Compact. For questions see the NC Board of Nursing website at [www.ncbon.com](http://www.ncbon.com) (<https://www.ncbon.com/>).

#### **Credits Awarded**

30 credits awarded upon successful completion of the bridge courses NUR 370 & NUR 371 and is equated to: NUR 210, NUR 310, NUR 310L, NUR 320, NUR 320L, NUR 340, NUR 340L, NUR 355, NUR 360, NUR 360L, NUR 365, NUR 380, and NUR 385.

**Required:** 120 credit hours, to include at least 36 credits at or above the 300 course level

- The Nursing Major, with R.N. to B.S.N. Concentration is available in a traditional as well as an online format.

Code	Title	Credit Hours
<b>Required</b>		28
NUR 370	Concepts of Professional Nursing	
NUR 371	Nursing Health Assessment	
NUR 470	Community Health Nursing Concepts and Care	
NUR 471	Nursing Care of the Older Adult	

				Credit Hours
		Code	Title	
<b>Required</b>				<b>28</b>
NUR 472		NUR 370	Concepts of Professional Nursing	
NUR 473		NUR 371	Nursing Health Assessment	
STA 108		NUR 470	Community Health Nursing Concepts and Care	
Select one NUR elective from the following:		NUR 471	Nursing Care of the Older Adult	
NUR 330		NUR 472	Nursing Leadership and Management	
NUR 346		NUR 473	Nursing Research	
NUR 390		STA 108	Elementary Introduction to Probability and Statistics	
NUR 405		Select one NUR elective from the following:		
Global Perspectives on the Health of Women		NUR 330	Global Perspectives on the Health of Women	
Introduction to Health Care Informatics		NUR 346	Introduction to Health Care Informatics	
Culture and Health Care		NUR 390	Culture and Health Care	
Pharmacology in Nursing		NUR 405	Pharmacology in Nursing	

### R.N. to B.S.N. for 2Plus Students Option

Students that have completed an Associates of Applied Science in Nursing from a NC Community College prior to Fall Semester 2015, are required to meet the following competencies of the UNC Greensboro General Education Program - Minerva's Academic Curriculum (MAC):

- Quantitative Reasoning - 3 credits
- Health and Wellness - 3 credits
- Critical Thinking and Inquiry in the Humanities and Fine Arts - 3 credits
- Global Engagement and Intercultural Understanding through the Humanities and Fine Arts or through the Social & Behavioral Sciences - 3 credits
- Diversity and Equity through the Humanities and Fine Arts or through the Social and Behavioral Sciences - 3 credits

Students that have completed an Associates of Applied Science in Nursing from a NC Community College prior to Fall Semester 2015, are NOT required to meet the following competencies of the UNC Greensboro General Education Program - Minerva's Academic Curriculum (MAC):

- Foundations - 3 credits
- Critical Thinking and Inquiry in the Natural Sciences - 3-4 credits
- Critical Thinking and Inquiry in the Social and Behavioral Sciences - 3 credits
- Data Analysis and Interpretation in the Natural Sciences - 3 credits
- Written Communication - 3 credits
- Oral Communication - 3 credits

Students who have graduated from associate degree nursing programs after 2015 that are part of the N.C. Uniform Articulation Agreement are exempt from all MAC requirements.

Students who graduate from diploma nursing programs or associate degree nursing programs that are not part of the Articulation Agreement will be expected to meet requirements for all MAC competencies (see complete MAC requirements and approved course listings). Graduates of foreign nursing programs will be advised on an individual basis.

This program of study is congruent with the N.C. Uniform Articulation Agreement.

**Required:** 120 credit hours, to include at least 36 credits at or above the 300 course level

- The Nursing B.S.N. with R.N. to B.S.N. Concentration is available in a traditional as well as an online format.

			Credit Hours
		Code	Title
<b>Required</b>			<b>28</b>
NUR 370		NUR 370	Concepts of Professional Nursing
NUR 371		NUR 371	Nursing Health Assessment
NUR 470		NUR 470	Community Health Nursing Concepts and Care
NUR 471		NUR 471	Nursing Care of the Older Adult
NUR 472		NUR 472	Nursing Leadership and Management
NUR 473		NUR 473	Nursing Research
STA 108		STA 108	Elementary Introduction to Probability and Statistics

### R.N. to B.S.N. under the Veteran's Access Program (VAP) Option

The (VAP) option is for Armed Forces Veterans from any branch, including past service in the Reserves or National Guard who have military health experience or training.

**Required:** 120 credit hours, to include at least 36 credits at or above the 300 course level

- The Nursing Major, with R.N. to B.S.N. Concentration is available in a traditional as well as an online format.

			Credit Hours
		Code	Title
<b>Required</b>			<b>28</b>
NUR 370		NUR 370	Concepts of Professional Nursing
NUR 371		NUR 371	Nursing Health Assessment
NUR 470		NUR 470	Community Health Nursing Concepts and Care *
NUR 471		NUR 471	Nursing Care of the Older Adult *
NUR 472		NUR 472	Nursing Leadership and Management *
NUR 473		NUR 473	Nursing Research *
STA 108		STA 108	Elementary Introduction to Probability and Statistics

Select one NUR elective from the following:

NUR 330	Global Perspectives on the Health of Women
NUR 346	Introduction to Health Care Informatics
NUR 390	Culture and Health Care
NUR 395	Transition to Civilian Professional Nursing

\* Credit may be granted pending transcript review.

### Disciplinary Honors in Nursing

#### Requirements

- A minimum of 12 credit hours as defined below.
- UNC Greensboro GPA of 3.5 or higher at admission and through graduation with grades of at least B (3.0) in all Honors course work.

- Enrolled in the major for at least one semester except for RN-BSN students. RN-BSN students are eligible to begin the honors application upon matriculation into the required nursing courses.

Code	Title	Credit Hours
<b>Required</b>		
NUR 493	Honors Work	12
<i>Select 9 credits from the following</i>		
NUR 310	Nursing Care of Individuals with Neurobehavioral Problems across the Lifespan	
NUR 320	Nursing Care of Individuals with Chronic Physiological Problems	
NUR 330	Global Perspectives on the Health of Women	
NUR 340	Health and Illness in Infants, Children and Adolescents	
NUR 345	Basic Health Management of Children	
NUR 346	Introduction to Health Care Informatics	
NUR 360	Childbearing and Reproductive Health	
NUR 390	Culture and Health Care	
NUR 405	Pharmacology in Nursing	
NUR 410	Health and Illness in Older Adults	
NUR 415	Nursing Leadership and Management	
NUR 420	Population Health Nursing	
NUR 430	Nursing Care of Individuals with Acute Physiological Problems	
NUR 450	Evidence-Based Practice and Nursing Research	
<b>RN to B.S.N. Program Course Options</b>		
NUR 330	Global Perspectives on the Health of Women	
NUR 345	Basic Health Management of Children	
NUR 346	Introduction to Health Care Informatics	
NUR 370	Concepts of Professional Nursing	
NUR 371	Nursing Health Assessment	
NUR 390	Culture and Health Care	
NUR 405	Pharmacology in Nursing	
NUR 470	Community Health Nursing Concepts and Care	
NUR 471	Nursing Care of the Older Adult	
NUR 472	Nursing Leadership and Management	
NUR 473	Nursing Research	

## Recognition

Students who complete Disciplinary Honors receive a Certificate of Disciplinary Honors in Nursing and have that honor, along with the title of their Senior Honors Project, noted on their official transcripts. Students who complete both General-Education Honors and Disciplinary Honors are distinguished for special recognition and receive a Certificate of Full University Honors in Nursing.

## Honors Advisor

Contact Ratchneewan Ross ([r\\_ross2@uncg.edu](mailto:r_ross2@uncg.edu)) for further information and guidance about Honors in Nursing. To apply: <http://honorscollege.uncg.edu/forms/disc-application.pdf>

## Nursing, M.S.N.

The Master of Science in Nursing degree offers two concentrations: Family Nurse Practitioner and Nursing Leadership and Management.

The concentration in Family Nurse Practitioner requires 44 credit hours. The concentration in Nursing Leadership and Management requires 37 credit hours and is designed to be completed in six semesters of full-time study, beginning in August and ending in May of the final year.

All degree requirements must be met within five academic years of initial enrollment. In addition to courses required for the degree program, students may enroll in independent study courses to enhance their program of study. No foreign language is required.

Please refer to the preceding enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Dean of Graduate Education who makes the final decision.

## Family Nurse Practitioner Concentration

Applicants to the Family Nurse Practitioner Concentration program must have or provide the following:

- To help ensure a diverse and equitable admission process UNCG School of Nursing utilizes a "holistic admission" process that considers a number of factors for admission that may not be captured in a traditional admission process (such as prior experience as a nurse and involvement with professional and community organizations)
- Completion of a bachelor's degree or higher in nursing science from a U.S. college or university accredited by an institutional accrediting association or completion of a bachelor's that is equivalent to a U.S. degree from an international college or university recognized and approved by the Ministry of Education or Commission responsible for higher education in the country where the degree is earned.
- Current unrestricted RN license. If not NC RN, license or compact state license, applicants would need to acquire NC RN license prior to start of the program.
- Current/updated resume/CV
- Three professional recommendations that attest to applicant's academic ability, readiness for graduate school, professional competency, and character with at least one reference from a healthcare provider (RN, DO, MD, NP, PA).
- Transcripts from each institution where applicant earned (or will earn) a degree, studied for one semester or more, earned 12 or more credit hours, or took classes related to graduate study interests
- Any applicant who has never studied at a U.S. institution must submit scores from the Test of English as a Foreign Language (TOEFL). Scores must not be more than two years old. The UNCG School of Nursing will consider IELTS score of 7.0 or a minimum TOEFL score of 100 (Internet-based test) with minimum sub-scores of 22 in Reading, 22 in Listening, 26 in Spelling and 24 in Writing.

## Nursing Leadership and Management Concentration

Applicants to the Nursing Leadership and Management Concentration must have or provide the following:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year clinical experience full time.
- A personal statement is required for consideration of admission.
- An interview is required for selected applicants.
- Nonresidential international students are required to participate in a telephone interview.

## Degree Program Requirements

### Family Nurse Practitioner Concentration

Required: 44 credit hours

Code	Title	Credit Hours
<b>Required Courses (42 credits)</b>		
NUR 705	Research and Evidence Based Practice	3
NUR 708	Pathophysiology for Advanced Practice Nursing	3
NUR 709	Pharmacotherapeutics for Advanced Practice Nursing	3
NUR 713	Advanced Health Assessment and Diagnostic Reasoning	3
NUR 713L	Advanced Health Assessment and Diagnostic Reasoning Skills Lab	1
NUR 714	Informatics in Healthcare	3
NUR 716	Management of Child Health in Primary Care	4
NUR 717	Management of Common Gender Specific, Adult, and Adolescent Health Conditions	4
NUR 719L	Family Primary Care Practicum	3
NUR 810	Health Promotion, Disease Prevention, and Population Health	3
NUR 811	Primary Care Management of the Adult I for Advanced Practice Nursing	4
NUR 811L	Practicum for Primary Care Management of the Adult I for Advanced Practice Nursing	3
NUR 812L	Practicum for Primary Care Management of the Adult II for Advanced Practice Nursing	3
NUR 817	Role Transition for Advanced Nursing Practice	2
<b>Capstone (2 credits)</b>		
NUR 718	Complex Problems In Family Primary Care	2
<b>Total Credit Hours</b>		<b>44</b>

### Nursing Leadership and Management Concentration

Required: 37 credit hours

Code	Title	Credit Hours
<b>Required Courses (33 credits)</b>		
NUR 540	Financial Management in Healthcare	3

NUR 601	Critique and Utilization of Research in Nursing Administration	2
NUR 607	Interprofessional/Interdisciplinary Collaboration and Negotiation	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 614	Information Technology in Nursing Administration	3
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
NUR 645	Strategic Management of Health Care Organizations	4
NUR 715	Research Methods in Nursing	3
<b>Capstone Experience (4 credits)</b>		
NUR 646	Nursing Leadership and Management Practicum	4
<b>Total Credit Hours</b>		<b>37</b>

### Required Withdrawal

Withdrawal from the program will be recommended if the student:

- Fails to register for two consecutive semesters (Fall and Spring) in the nursing curriculum.
- Has earned a B- or below in more than 6 credits of course work.
- Has earned a B- or below in any nursing specialty course.
- Has earned a failing grade in any course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation.
- Does not complete requirements for the degree within the time limit (5 academic years).

## Accelerated B.S.N. to M.S.N. in Nursing Application and Admission

Qualified UNC Greensboro undergraduate students who are pursuing a prelicensure B.S.N in Nursing may apply for admission to the Accelerated Master's Program (AMP) in Nursing with a concentration in Nursing Leadership and Management.

The completion of 30 credit hours and an undergraduate GPA of 3.5 at UNC Greensboro is required. Applicants must have completed at least 60 pre-health credits and may not apply for admission to the AMP before they have been admitted to the School of Nursing.

Standard application requirements for the M.S.N. in Nursing apply to the AMP.

Applicants must also submit the AMP admission form available from the School of Nursing Student Affairs Office and a written personal statement describing why the applicant is interested in the AMP program leading to the M.S.N. in Nursing with a concentration in Nursing Leadership and Management. An interview with the M.S.N. faculty is required.

### Courses

Admitted students may apply the following 6 credits of graduate-level course work toward completion of both the undergraduate and graduate degree, provided that they earn a grade of B (3.0) or better in the course and fulfill graduate-level requirements:

Code	Title	Credit Hours
NUR 614	Information Technology in Nursing Administration	3
NUR 715	Research Methods in Nursing	3

Please consult with your advisor to determine how the course taken at the graduate level will meet requirements in the bachelor's degree program. All degree requirements for the M.S.N. in Nursing with a concentration in Nursing Leadership and Management remain the same.

## Doctor of Nursing Practice, D.N.P.

### Post-Baccalaureate D.N.P.

#### Adult/Gerontological Primary Care Nurse Practitioner Concentration

The Adult/Gerontological Primary Care Nurse Practitioner concentration for post-baccalaureate students is designed to be completed in 8 semesters beginning in the Fall semester and ending in the Spring semester of the third year. The concentration requires a minimum of 67 credits and 1,020 advanced practice practicum hours.

#### Nurse Anesthesia Concentration

The Nurse Anesthesia concentration for post-baccalaureate students is a 36-month, 107-credit hour Doctor of Nursing Practice graduate program that provides comprehensive didactic and clinical education to students. Upon completion of the plan of study, graduates possess the knowledge and advanced clinical skills necessary to provide high-quality safe anesthesia care, optimize patients' health outcomes, inform healthcare policy, and pass the National Certification Exam for Certified Registered Nurse Anesthetists (NCE) administered by the National Board of Certification and Recertification of Nurse Anesthetists (NBCRNA). Certified Registered Nurse Anesthetists (CRNAs) are direct anesthesia care providers who administer all types of anesthesia to patients in a variety of settings and participate in all aspects of anesthesia patient care. Providing more than 65% of all anesthesia care in the United States, CRNAs are in high demand and enjoy competitive salaries and excellent job stability and satisfaction.

### Post-Master's D.N.P.

The Post-Master's D.N.P. program is available to Advanced Practice Registered Nurses [APRN] who are certified as Nurse Practitioners, Nurse Midwives, or Nurse Anesthetists; and Nurses with an M.S.N. degree in a Nursing Specialty (Nursing Leadership/Administration, Clinical Nurse Leader, and Nursing Informatics).

The Post-Master's D.N.P. program is designed to be completed in four semesters beginning in the Fall semester and ending in the Fall semester of the following year. The program requires a minimum of 30 credits and 1,000 D.N.P. practicum/immersion hours (practicum hours obtained in the master's program are included in the 1,000-hour total). In addition, all post-master's D.N.P. students must complete 300 hours of D.N.P. immersion/project hours.

All degree requirements must be met within seven academic years of initial enrollment. In addition to courses required for the degree program, students may enroll in independent study courses to enhance their program of study. No foreign language is required.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

#### Post-Baccalaureate D.N.P. applicants must meet the following Application and Admission Requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- A baccalaureate degree in Nursing from a program accredited by a nationally recognized accrediting agency.
- A minimum of one year full-time critical care clinical nursing experience for the Nurse Anesthesia concentration.
- An inferential statistics course, a chemistry course, and health assessment course at the undergraduate level are required prerequisite courses.
- To help ensure a diverse and equitable admission process UNCG School of Nursing utilizes a "Holistic admission" process that considers a number of factors for admission that may not be captured in a traditional admission process (such as prior experience as a nurse and involvement with professional and community organizations).
- A resume.
- A personal statement of 400 words or less that discusses the applicant's nursing background and discusses future goals.
- Three professional nursing references (mix of educational and professional sources).
- An interview is required for applicants.
- Nonresidential international students are required to participate in a telephone interview.

#### Post-Master's D.N.P. applicants must meet the following Application and Admission Requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students seeking to study in the U.S. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse. International students who complete their entire course of study outside the U.S. must be approved to practice as a Registered Nurse or the equivalent title in their home country.
- Master's degree in Nursing with the specialty of Nursing Leadership/ Administration, Clinical Nurse Leader, Clinical Nurse Specialist, Certified Nurse Midwife, Nurse Practitioner, Nurse Anesthetist, Nursing Informatics from a program accredited by a nationally recognized nursing accrediting agency. International students who complete their entire course of study outside the U.S. must hold a Master's Degree in Nursing from an approved University in their home country. Additionally, they must have clinical experience in an advanced nursing role in their home country.
- All APRNs must hold national certification appropriate to their specialty. If national nursing specialty certification is not available in the home country, this certification is not required to apply for the DNP.
- Applicants with a master's degree in Nursing with a focus in Nursing Education from a program accredited by a nationally recognized nursing accrediting agency are eligible for admission after successful completion of the UNC Greensboro School of Nursing 15-credit Post-Baccalaureate Certificate in Nursing with the Nursing Leadership and Management specialty.
- An undergraduate statistics course is a required prerequisite course for the Post-Master's D.N.P.

- To help ensure a diverse and equitable admission process UNCG school of nursing utilizes a "Holistic admission" process that considers a number of factors for admission that may not be captured in a traditional admission process (such as prior experience as a nurse and involvement with professional and community organizations).
- A resume.
- A personal statement of 400 words or less that discusses the applicant's nursing background and future goals.
- Three professional nursing references (mix of educational and professional sources).
- An interview may be required.
- Nonresidential international students are required to participate in a telephone interview.

## Degree Program Requirements

### Post-Baccalaureate D.N.P. Adult/Gerontological Primary Care Nurse Practitioner Concentration

**Required:** 67 credit hours

Code	Title	Credit Hours
<b>Required Courses (61 credits)</b>		
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 705	Research and Evidence Based Practice	3
NUR 708	Pathophysiology for Advanced Practice Nursing	3
NUR 709	Pharmacotherapeutics for Advanced Practice Nursing	3
NUR 709S	Pharmacology Seminar for Adult/Gerontological Nurse Practitioners	1
NUR 713	Advanced Health Assessment and Diagnostic Reasoning	3
NUR 713L	Advanced Health Assessment and Diagnostic Reasoning Skills Lab	1
NUR 714	Informatics in Healthcare	3
NUR 810	Health Promotion, Disease Prevention, and Population Health	3
NUR 811	Primary Care Management of the Adult I for Advanced Practice Nursing	4
NUR 811L	Practicum for Primary Care Management of the Adult I for Advanced Practice Nursing	3
NUR 812	Primary Care Management of the Adult II for Advanced Practice Nursing	4
NUR 812L	Practicum for Primary Care Management of the Adult II for Advanced Practice Nursing	3
NUR 813	Primary Care Management of the Older Adult and Frail Elder	4
NUR 813L	Practicum for Primary Care Management of the Older Adult and Frail Elder	3
NUR 816	Integrated Clinical Management II for the Advanced Practice Nurse in Primary Care	6
NUR 817	Role Transition for Advanced Nursing Practice	2
NUR 818	Biostatistics and Epidemiology Principles for Advanced Practice Nursing	3
NUR 819	Effective Leadership for Practice	3

NUR 824	Theoretical Foundation for Advanced Nursing Practice	3
<b>Capstone Sequence (6 credits)</b>		
NUR 890A	Scholarly Seminar I: Project Development	2
NUR 890B	Scholarly Seminar II: Project Implementation	2
NUR 890C	Scholarly Seminar III: Evaluation, Conclusion, and Dissemination	2

**Total Credit Hours** 67

### Required Withdrawal

A student will be withdrawn from the program if the student:

- Fails to register for two consecutive semesters in the nursing curriculum.
- Has earned a grade of U or B- in more than one AGNP DNP specialty course.
- Has earned a grade below a B- any AGNP DNP specialty course.
- Has earned a grade of U, F, or WF in any core course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation.
- Demonstrates unsafe practice as defined in the School of Nursing Unsafe Practice Policy.
- Does not complete requirements for the degree within the 7-year time limit.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

### Post-Baccalaureate D.N.P. Nurse Anesthesia Concentration

**Required:** 107 credit hours

Code	Title	Credit Hours
<b>Required Courses (101 credits)</b>		
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 705	Research and Evidence Based Practice	3
NUR 714	Informatics in Healthcare	3
NUR 727	Basic Principles of Nurse Anesthesia Practice I	5
NUR 728	Physics, Chemistry, and Mechanics in Anesthesia	1
NUR 728L	Physics, Chem, and Mechanics in Anesthesia Laboratory	1
NUR 729	Health Assessment for Nurse Anesthesia	1
NUR 729L	Health Assessment Laboratory for Nurse Anesthesia	1
NUR 730	Neuropathophysiology of Nurse Anesthesia	3
NUR 732	Advanced Principles of Nurse Anesthesia Practice	4
NUR 751	Pharmacology of Nurse Anesthesia I	2
NUR 752	Biochemistry for Nurse Anesthesia	1
NUR 753	Cardiovascular Pathophysiology for Nurse Anesthesia	2
NUR 754	Pharmacology of Nurse Anesthesia II	2
NUR 755	Cell Pathophysiology for Nurse Anesthesia	1

NUR 756	Respiratory Pathophysiology for Nurse Anesthesia	3	NUR 818	Biostatistics and Epidemiology Principles for Advanced Practice Nursing	3
NUR 757	Pharmacology of Nurse Anesthesia III	1	NUR 819	Effective Leadership for Practice	3
NUR 758	Pathophysiology of Abdominal Systems for Nurse Anesthesia	3	NUR 824	Theoretical Foundation for Advanced Nursing Practice	3
NUR 759	Pharmacology of Nurse Anesthesia IV	1	NUR 826	Analysis and Application of DNP Essentials: Health Care Policy for Advocacy in Health Care; and Inte	3
NUR 771A	Clinical Practicum in Nurse Anesthesia I	6	<b>Capstone Experience (6 credits)</b>		
NUR 771B	Clinical Practicum in Nurse Anesthesia II	8	NUR 890A	Scholarly Seminar I: Project Development	2
NUR 772	Clinical Practicum in Nurse Anesthesia III	6	NUR 890B	Scholarly Seminar II: Project Implementation	2
NUR 773A	Clinical Practicum in Nurse Anesthesia IV	6	NUR 890C	Scholarly Seminar III: Evaluation, Conclusion, and Dissemination	2
NUR 773B	Clinical Practicum in Nurse Anesthesia V	7			
NUR 774	Clinical Practicum in Nurse Anesthesia VI	6			
NUR 775A	Clinical Practicum in Nurse Anesthesia VII	6			
NUR 775B	Clinical Practicum in Nurse Anesthesia VIII	6			
NUR 797	Integrated Clinical Concepts	2			
NUR 818	Biostatistics and Epidemiology Principles for Advanced Practice Nursing	3			
NUR 819	Effective Leadership for Practice	3			
NUR 820	Seminar for Nurse Anesthesia Advanced Practice	1			
<b>Capstone Sequence (6 credits)</b>					
NUR 890A	Scholarly Seminar I: Project Development	2			
NUR 890B	Scholarly Seminar II: Project Implementation	2			
NUR 890C	Scholarly Seminar III: Evaluation, Conclusion, and Dissemination	2			
<b>Total Credit Hours</b>		<b>107</b>			<b>30</b>

### Required Withdrawal

Withdrawal from the program will be recommended to the Graduate School if the student:

- Fails to register for two consecutive semesters in the nursing curriculum.
- Has earned a B- or below in more than 6 credits of course work.
- Has earned a B- or below in any Nurse Anesthesia specialty course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation within the required curriculum.
- Does not complete requirements for the degree within the 7-year time limit.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

### Post-Master's D.N.P. Concentration

**Required:** 30 credit hours

Code	Title	Credit Hours
<b>Required Courses (24 credits)</b>		
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 705	Research and Evidence Based Practice	3
NUR 714	Informatics in Healthcare	3
NUR 810	Health Promotion, Disease Prevention, and Population Health	3

### Total Credit Hours

**Practicum/Immersion Hours**  
The Post-Master's D.N.P. requires 1,000 D.N.P. practicum/immersion hours; hours obtained in the master's program are included in this total. All Post-Master's D.N.P. students must complete 300 hours of D.N.P. immersion/project hours. Students with less than 700 practicum hours upon admission to the Post-Master's D.N.P. will need to take additional credits by enrolling in NUR 789 Doctor of Nursing Practice Advanced Practicum to obtain the required practicum/immersion hours toward a D.N.P. degree and/or earn additional immersion hours in the NUR 890 series.

### Required Withdrawal

Withdrawal from the program will be recommended to the Graduate School if the student:

- Fails to register for two consecutive semesters in the nursing curriculum.
- Has earned a B- or below in more than 6 credits of course work.
- Has earned a B- or below in any course.
- Has a GPA that indicates the inability to meet the 3.0 required for graduation within the required curriculum.
- Does not complete requirements for the degree within the 7-year time limit.

## Nursing, Ph.D.

The Ph.D. in Nursing requires 51 credit hours. Up to 15 credits may be transferred into the program.

Please refer to the enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The Ph.D. in Nursing program is delivered in an online format, with both synchronous and asynchronous experiences. Students will be invited to campus 2-4 times per year for intensive interaction with faculty. If students are unable to travel to campus, a synchronous online experience will be offered.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the

admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Upon admission to the Ph.D. program, students are expected to submit a current unrestricted RN license. International students must submit a nursing license from their home country validated by CGFNS. Even though not required, Ph.D. students are recommended to obtain RN licensure in North Carolina in the event that the license is required for research assignments or, assistantships or dissertation data collection.
- An inferential statistics course within the past five years or permission by the Program Director.
- Master's degree in nursing from a school accredited by a nationally recognized accrediting agency.
- In addition to the application materials required by The Graduate School, applicants must submit a 300-word statement of research goals in doctoral program related to promotion of optimal health for ethnic minorities, women, children, or older adults.
- Selected applicants must participate in an interview with Graduate Nursing Faculty.
- Please refer to the preceding enrollment requirements for all graduate nursing students.

## Degree Program Requirements

**Required:** 51 credit hours

Code	Title	Credit Hours
<b>Required Courses (12 credits)</b>		
NUR 710	Philosophy of Knowledge Development in Nursing	3
NUR 712	Theory Analysis in Nursing Science	3
NUR 782	Health Disparities and Outcomes	3
NUR 783	Advanced Health Policy and Ethics	3
<b>Research Methodology and Statistics (18 credits)</b>		
NUR 701	Statistical Applications for Nursing Research	3
NUR 702	Statistical Applications for Nursing Research II	3
NUR 703	Qualitative Methods for Nursing	3
NUR 704	Quantitative Research in Nursing	3
NUR 707	Measurement in Nursing and Healthcare Research	3
NUR 804	Advanced Research Methods	3
<b>Electives (6 credits)</b>		
Select 6 credits of electives		6
<b>Directed Research (3 credits)</b>		
NUR 790	Directed Research	3
<b>Dissertation (12-18 credits)</b>		
NUR 799	Dissertation	12-18
<b>Total Credit Hours</b>		<b>51</b>

## Students Entering with a D.N.P. Degrees

Students who are admitted and enroll in the Ph.D. in Nursing who have completed a Doctor of Nursing Practice (D.N.P.) degree may have up to 12 credits of course requirements waived from the 51 total credits required for the Ph.D. Each student's D.N.P. transcript will be evaluated and individualized plans of study indicating the courses to be waived will

be developed based on previously completed course work in the student's D.N.P. program.

## Required Withdrawal for Ph.D. Students

Students will become academically ineligible to continue if any of the following occur:

- Grades of U, F, or WF for any credit hours.
- Grades of C, C+, or B-in 6 credit hours.
- Degree requirements not completed within the time limit (7 academic years).

## Required Milestones\*

- Residency (Immersion)
- Plan of Study
- Preliminary Exams
- Research Competency
- Comprehensive Exam (Written & Oral)
- Dissertation Proposal
- Admission to Candidacy
- Dissertation Defense
- Filing the Final Approved Dissertation

\* General information about milestones for doctoral programs is available in Section III (p. 826) of the Graduate Policies (p. 807) page in the University Catalog. For information about how milestones are accomplished for a specific program, please refer to the doctoral program's handbook.

## Advanced Practice Foundations, Post-Baccalaureate Certificate

Students must complete 10 credit hours during a two-year time period to earn the certificate. Credits earned in the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.

Please refer to the enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Dean for Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.

- A personal statement is required for consideration of admission to the Advanced Practice Foundations P.B.C.
- An interview is required for selected applicants for the Advanced Practice Foundations P.B.C.

## Certificate Program Requirements

**Required:** 10 credit hours

Code	Title	Credit Hours
<b>Required Courses (10 credits)</b>		
NUR 708	Pathophysiology for Advanced Practice Nursing	3
NUR 709	Pharmacotherapeutics for Advanced Practice Nursing	3
NUR 713	Advanced Health Assessment and Diagnostic Reasoning	3
NUR 713L	Advanced Health Assessment and Diagnostic Reasoning Skills Lab	1
<b>Total Credit Hours</b>		<b>10</b>

## Nursing Leadership and Management, Post-Baccalaureate Certificate

Students must complete 15 credit hours during a two-year time period to earn the certificate. Credits earned in the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.

Please refer to the enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Dean of Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- A personal statement is required for consideration of admission to the Nursing Leadership and Management P.B.C.
- An interview is required for selected applicants for the Nursing Leadership and Management P.B.C.

## Certificate Program Requirements

**Required:** 15 credit hours

This School of Nursing graduate certificate program provides the opportunity for baccalaureate or higher-prepared registered nurses to

further their knowledge in Nursing Leadership and Management. All courses are offered online and are designed for working professionals.

- Students must successfully complete at least 15 credit hours during a two-year period of time to earn the certificate.
- Credits generated in the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.
- Due to the sequencing of courses, it is advised that students begin courses in the Spring semester.

Code	Title	Credit Hours
NUR 540	Financial Management in Healthcare	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
<b>Total Credit Hours</b>		<b>15</b>

## Nursing, Post-Baccalaureate Certificate

Students must complete 12 credit hours during a two-year time period to earn the certificate. Credits earned in the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School. Students are advised individually and select courses from one or more categories.

Please refer to the enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Dean of Graduate Education who makes the final decision.

Applicants must have the following credentials:

- Current unrestricted licensure as a registered nurse in one of the fifty states or validated credentials by CGFNS for international applicants. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- A personal statement is required for consideration of admission to the Nursing P.B.C.
- An interview is required for selected applicants for the Nursing P.B.C.

## Certificate Program Requirements

**Required:** 12 credit hours

This School of Nursing graduate certificate program provides the opportunity for baccalaureate or higher-prepared registered nurses to

further their knowledge in Nursing. All courses are offered online and are designed for working professionals.

- Students must successfully complete at least 12 credit hours during a two-year period of time to earn a certificate.
- Credits generated in the certificate program may be used to meet requirements in a degree program in accordance with the policies of the Graduate School.
- To earn the certificate in Nursing, students may enroll in courses across or within any of the three categories: Core and Support Courses, Nursing Leadership and Management, and Advanced Nursing Education.

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
<b>Select 12 credits from the following categories:</b>		<b>12</b>
<i>Core and Support Courses</i>		
NUR 620	Law, Policy, and Economics of Healthcare	
NUR 692	Independent Study	
NUR 708	Pathophysiology for Advanced Practice Nursing	
NUR 715	Research Methods in Nursing	
<i>Nursing Leadership and Management</i>		
NUR 540	Financial Management in Healthcare	
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	
NUR 644	Organizational Leadership and Management	
<i>Advanced Nursing Education</i>		
NUR 612	Theoretical Foundations for the Advanced Nurse Educator	
NUR 615	Curriculum Design and Evaluation in Advanced Nursing Education	
NUR 616	Pedagogical Strategies for Advanced Nursing Education	
<b>Total Credit Hours</b>		<b>12</b>

# LLOYD INTERNATIONAL HONORS COLLEGE

205 Foust Building  
336-334-5538  
<http://honorscollege.uncg.edu>

**Omar H. Ali, Dean**  
**Rebecca Muich, Assistant Dean**  
**Angela Bolte, Assistant Dean**  
**Christopher Kirkman, Senior Academic Advisor and Coordinator of International Honors**  
**Eric Toler, Coordinator of Data and Student Records/Academic Advisor**  
**Linda Dunston-Stacey, Budget and Operations Manager/Executive Assistant to Dean**

## About

Lloyd International Honors College (LIHC), a member of the National Collegiate Honors Council, provides motivated, high achieving undergraduate students in all fields of study with an enhanced education that has an international focus. LIHC is an intellectually engaged community devoted to fostering critical thinking, global awareness, and strong preparation for professional, civic, and personal pursuits using experiential learning opportunities and innovative pedagogies of performance, play, and improvisation.

## Admission to Lloyd International Honors College

Admission to Lloyd International Honors College is required to take courses offered by the Honors College and to participate in many of Lloyd International Honors College's programs. Admission processes for Global Honors and Disciplinary Honors are detailed on the website. Minimum requirements to be considered for admission depend on the applicant's status at the time of application. Admission to the college is competitive. Meeting minimum requirements does not guarantee admission.

## Incoming First-Year Students

To be eligible to apply for admission to Lloyd International Honors College, the prospective student must meet minimum test score or high school GPA requirements set by the college, which can be found on the college's website.

## Transfer Students

Students transferring to UNC Greensboro with no more than two semesters at another institution may be eligible to apply for Global Honors. The prospective student must meet minimum test score or high school GPA requirements, which can be found on the college's website. Students transferring to UNC Greensboro after any number of semesters at another institution may be eligible for Disciplinary Honors. An aggregate transferable GPA of 3.30 is required from all former institutions. Transcripts to verify the aggregate GPA should be submitted to Undergraduate Admissions from all prior institutions attended. Students must also have at least one semester at UNC Greensboro with at least a 3.30 GPA before applying for Disciplinary Honors.

## Continuing UNC Greensboro Students

Continuing UNC Greensboro students must have at least a 3.30 UNC Greensboro GPA to apply to either Global or Disciplinary Honors. They must meet with an Honors academic advisor to receive the application for current students. **If applying for Global Honors**, they must meet with an Honors academic advisor to review their options and receive the application for current students. **If applying for Disciplinary Honors, students may apply directly on the LIHC website.**

## Lloyd International Honors College Petition Policy

Incoming first-year UNC Greensboro students who do not meet one of the specified criteria for admission to Lloyd International Honors College may petition the dean for admission. When the candidate makes a persuasive case that he or she is fully capable of succeeding in Global Honors, the dean may admit the student. A student admitted through the petition process will be expected to meet all of the requirements for maintaining good standing in the Global Honors Program, and is subject to the same rules as other Honors College students, including the conditions requiring suspension or removal from the college.

## Programs

Lloyd International Honors College offers two enhanced academic programs—the Global Honors Program and the Disciplinary Honors Program. Students who complete both the Global Honors Program and the Disciplinary Honors Program are recognized for their high achievement and awarded Full University Honors.

## Global Honors

The Global Honors Program is designed to complement and enrich the university's Minerva's Academic Curriculum (MAC) for students in any major. Students who complete the Global Honors Program may replace regular MAC courses with Honors courses, may take Honors courses in a variety of modes, will complete the beginning level of language competency in a second language, and will design an individualized course of academic, professional, and personal development by participating in selected, Honors-approved Global Honors Experiences. Examples of Global Honors Experiences include study abroad, additional Honors courses, additional language courses, leadership development workshops, undergraduate research presentations, and attending Honors Programming. Global Honors students take ownership over their own education and development while learning the essential skills to engage with others creatively and compassionately.

## Disciplinary Honors

The Disciplinary Honors Program allows students in all majors to do Honors work in their majors or in upper-division interdisciplinary studies. Through Disciplinary Honors, students have the opportunity to study topics in depth and to do research under the supervision of a faculty member, thus giving themselves a competitive advantage when applying to graduate school or beginning a career.

## Community College Memoranda of Understanding

- Alamance Community College (NC)
- Durham Technical Community College (NC)
- Guilford Technical Community College (NC)

- Haywood Community College (NC)
- Robeson Community College (NC)
- Southwestern Community College (NC)

Students who graduate from the five listed community colleges with a college-transferrable degree [e.g., Associates in Arts (A.A.) or Associates in Science (A.S.)] may earn the Designation of Honors Graduate from Lloyd International Honors College at UNC Greensboro. The student must transfer in at least 12 hours of Honors course work, be accepted into Lloyd International Honors College through the UNC Greensboro admissions process, and complete the following:

- Proficiency in a foreign language (at the 204-level or higher),
- An approved international experience,
- Disciplinary Honors in the major (with grades of B or better in all Honors work), and
- Achievement of a 3.30 GPA or higher at the time of graduation from UNC Greensboro

To apply for this program, students planning to transfer from the five listed community colleges must submit a Transfer Application to UNC Greensboro through the UNC Greensboro Undergraduate Admissions Office and indicate interest in applying to Lloyd International Honors College. Students will then receive an invitation to apply to LIHC through the "Current UNC Greensboro Student Application."

Students entering LIHC under this memorandum of understanding must apply by April 1 in order to be eligible to begin disciplinary honors in the following fall semester, or by November 1 in order to do so in the following spring semester. Students entering under this memorandum must maintain good standing and fulfill other requirements that the college applies to all Honors students.

## Courses

Honors courses are taught by faculty members who are among the best at UNC Greensboro, who are deeply engaged with their disciplines, and who are dedicated to helping students achieve their greatest potential. Honors courses are typically small (15–25 students) and foster discussion, collaboration, and mutual discovery among students and faculty. Typically, Honors courses fulfill a variety of university and departmental requirements.

There are several types of Honors courses:

- Honors Seminars in which students explore interdisciplinary topics in greater breadth and/or depth than in typical courses while fulfilling Minerva's Academic Curriculum (MAC) requirements;
- Honors sections of regular UNC Greensboro courses that allow students to explore other topics or continue to do Honors work in their major;
- Honors Tutorials and Honors Independent Study through which students either individually or in small groups work with a faculty member on a topic of mutual interest;
- The Senior Honors Project in which a student, under the guidance of a professor, produces a research project.
- Disciplinary Honors Contract courses that allow students to enhance a regular undergraduate course and receive Honors credit for that course. *Note: Honors Contract courses can be used only to fulfill Disciplinary Honors Program requirements; they cannot be used to fulfill Global Honors Program requirements. The same contract course cannot be used to fulfill the requirements for both Global and Disciplinary*

*Honors. Contract courses must be at or above the 300-level to qualify for Disciplinary Honors, unless otherwise specified by the department.*

- Embedded Honors courses. These are special sections of regular UNC Greensboro courses that meet in lecture with a larger non-Honors version of the course. While Honors students in embedded Honors courses share lectures with their fellow non-Honors students, they have a different syllabus and may have different texts, other readings, and additional assignments. Embedded Honors courses require the approval of Lloyd International Honors College and the associated department or school.

The variety of Honors courses, and particularly the chance to customize one's curriculum through tutorials and independent studies, means that students have considerable control over their own education. Moreover, many of the advanced Honors courses, such as the Senior Honors Project, allow students to do original and sophisticated work, and are an excellent preparation for graduate school, professional training, and other post-graduation endeavors.

## Honors Academic Advising

Lloyd International Honors College staff offers advanced group and individual advising to help students discover the best ways to take advantage of Honors at UNC Greensboro, and to make sure that students have the needed support and encouragement along the way to completing their degrees. A variety of informal information sessions and colloquia are also provided for students interested in talking about particular topics of interest such as study abroad, internships, or graduate school.

## Extra-Curricular Activities and Student Involvement

Lloyd International Honors College sponsors a number of extracurricular events. Among these events are orientations for both Global Honors and Disciplinary Honors, the annual Honors Symposium, the Artist-in-Residence program, Food for Thought, Monday Play, Bon Voyage, Bon Retour, lectures and special performances, field trips, and community service projects. Honors students can participate in the Honors Ambassadors program, and the Gray Hall Fellows program.

## Honors Abroad Experiences

In collaboration with UNC Greensboro's Office of International Programs, Lloyd International Honors College from time to time offers Honors Abroad Experiences for Honors students interested in an honors-enhanced study abroad experience at select locations. To be considered, students must:

1. submit an Honors Abroad application to Lloyd International Honors College and
2. be accepted for study abroad at an appropriate location by the International Programs Center.

Accepted students are given an all-expenses paid (except for food) week, or more, at a foreign location with a UNC Greensboro faculty member.

Students accepted into an Honors Abroad Experience enroll in HSS 310, a three-credit Honors course, in addition to whatever courses are taken at the host institution. HSS 310 requires that students meet with a UNC Greensboro faculty member before traveling abroad to discuss readings about their trip and the character of the country they are about to visit. Students and the UNC Greensboro faculty member then spend

approximately a week exploring and taking in cultural activities abroad associated with a particular academic topic. During their semester, students travel and engage in a variety of writing assignments that allow them to reflect on their experience. Finally, students gather for a colloquium upon returning to UNC Greensboro the following semester.

## Honors Awards

Lloyd International Honors College administers awards that recognize high achievement. At the Honors Convocation every spring, the college's Honors Council bestows the Provost Student Excellence Award, the university's highest academic undergraduate honor, on outstanding seniors. At the end of each semester, the Honors College honors students who have successfully completed one of Lloyd International Honors College's programs at a cording ceremony or banquet.

## Honors Housing

North and South Spencer Honors Residence Halls and Gray Honors Residence Hall are housing options for Honors students and are required for incoming freshmen living on campus. Incoming Honors first-year students may apply to live in North and South Spencer Residence Halls upon their acceptance into the Global Honors program. Gray Honors Residence Hall serves sophomore through senior Honors students who are interested in Undergraduate Research and/or community engagement. Current Honors students who desire to live in the Honors Residence Halls must be in good standing (have a 3.30 UNC Greensboro GPA at time of application) and are required to remain in good standing and to meet other requirements that can be found on the Honors College website in order to continue living in the hall.

## Honors Council

*Omar H. Ali (Chair), Dean of Lloyd International Honors College  
 David Aarons, College of Visual and Performing Arts  
 Melody Patterson Zoch, School of Education  
 Nadja Cech and Cerise Glenn Manigault, College of Arts and Sciences  
 Rebecca Kalinoski, School of Nursing  
 Adrienne Craig, Student Affairs  
 Eloise Hassell, Bryan School of Business and Economics  
 Tim Johnson, Housing and Residence Life  
 Kathleen Macfie, International and Global Studies Program  
 Maria Anastasiou, International Programs Center  
 Marcia Hale, School of Health and Human Sciences*

Lloyd International Honors College administers UNC Greensboro's Honors Programs: the Global Honors Program, the Disciplinary Honors Program, and Full Honors, combining the requirements of Global and Disciplinary Honors.

## Disciplinary Honors Program

The Disciplinary Honors Program allows students in all majors to do Honors work in their majors or in upper-division interdisciplinary studies. Through Disciplinary Honors, students have the opportunity to study topics in depth and to do advanced research under the supervision of a faculty member, thus giving themselves a competitive advantage when applying for graduate school or beginning a career. In order to participate in and take Disciplinary Honors courses, students must have a 3.30 grade point average at the time of registration and meet all other course prerequisites.

## Recognition

Students who complete the requirements for the Disciplinary Honors Program receive a Certificate of Disciplinary Honors in [major/Interdisciplinary Studies], have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript, and are recognized at a cording ceremony or banquet at the end of each semester.

## Requirements

The requirements for the Disciplinary Honors Program vary by Major (students should check the individual departments in this *Bulletin* for details on specific course requirements) but, at a minimum, includes those provided below.

1. Minimum GPA  
UNC Greensboro GPA of 3.30 or higher at graduation
2. Honors course work  
At least 12 credit hours of Honors course work with grades of A or B as listed below.
  - a. Course work in the major  
6 credits Honors course work in the major
  - b. Honors project course  
HSS 490 Senior Honors Project
  - c. Additional course work  
3 credits of Honors course work in the major or another area

Unless otherwise specified by the department, Honors Course Contracts must be at or above the 300-level to qualify for Disciplinary Honors. In some departments, graduate-level course work qualifies as Honors for undergraduates.

For those students who wish to pursue Disciplinary Honors in Interdisciplinary Studies, the requirements are as provided below.

1. Minimum GPA  
UNC Greensboro GPA of 3.30 or higher at graduation
2. Honors course work  
At least 12 credits of Honors course work with grades of A or B as listed below. At least 6 credits must be at the 300 level or higher
  - a. Course work  
9 credits Honors course work
  - b. Honors project course  
HSS 490 Senior Honors Project

## Requirements for Specific Majors

The requirements for the Disciplinary Honors Program vary by major. Each academic department at UNC Greensboro has a faculty Honors Liaison who is knowledgeable about both his or her programs and International Honors. You are encouraged to get to know the Liaison in your department, especially by the time you are a junior and fully in your major.

Specific information about pursuing Disciplinary Honors within any of the departments or programs listed below is provided with the information for that entity in this *Catalog*.

- Accounting and Finance
- African American and African Diaspora Studies
- Anthropology
- Archaeology
- Art

- Arts Administration
- Astronomy
- Biology
- Chemistry and Biochemistry
- Classical Studies
- Communication Sciences and Disorders
- Communication Studies
- Community and Therapeutic Recreation
- Computer Science
- Consumer, Apparel, and Retail Studies
- Dance
- Economics
- English
- Environmental Studies
- French
- Geography, Environment, and Sustainability
- German
- History
- Human Development and Family Studies
- Information Systems and Supply Chain Management
- Interior Architecture
- International and Global Studies
- Kinesiology
- Management
- Marketing, Entrepreneurship, and Hospitality and Tourism Management
- Mathematics and Statistics
- Media Studies
- Music Education
- Music Performance
- Music Studies
- Nursing
- Nutrition
- Peace and Conflict Studies
- Philosophy
- Physics and Astronomy
- Political Science
- Psychology
- Public Health Education
- Religious Studies
- Social Work
- Sociology
- Spanish
- Specialized Education Services
- Statistics
- Teacher Education and Higher Education
- Theatre
- Women's, Gender, and Sexuality Studies

## Full University Honors

Students who complete all the requirements for both the Global Honors Program and the Disciplinary Honors Program are recognized for completing Full University Honors. Courses used to fulfill the

requirements of one of those programs cannot be used to fulfill the requirements of the other.

Students who earn Full University Honors receive a Certificate of Full University Honors in [major/Interdisciplinary Studies], have that accomplishment, along with the title of their Senior Honors Project, noted on their official transcript, and are recognized at a banquet held at the end of each academic year.

## Global Honors Program

The Global Honors Program is designed to complement and enrich the undergraduate study of motivated and high achieving students in all majors. In order to participate in Honors and enroll in courses, students must be admitted into, and maintain good standing in, the Global Honors Program. Students who complete the Global Honors Program take Honors courses in a wide range of subjects, reach a basic level of language competency in a second language, and study abroad through an approved program. Courses taken in fulfillment of the requirements for the Global Honors Program typically also fulfill the university's General Education Core requirements.

### Overall Requirements

- Maintain a 3.3 GPA and complete program requirements by the time of graduation.

### Admission Requirements

Admission to The Honors College's Global Honors Program is competitive and by application only. In order to be eligible to apply, incoming first-year applicants must have at least one of the following minimum criteria:

- a minimum 1280 combined Math and Evidence Based Reading and Writing SAT score, OR
- a 26 composite ACT score, OR
- a 3.8 (weighted) high school GPA.

### Program Requirements

Code	Title	Credit Hours
<b>Required</b>		<b>1</b>
HSS 198	Honors Colloquium	
<b>Additional Courses</b>		<b>6</b>
<i>Two Honors courses (in any of the following modes):</i>		
Honors Seminar		
Embedded Honors Section		
Honors Section		
Honors Contract		
<b>Foreign Language Course</b>		<b>6</b>
<i>Up to 102-level or equivalent.</i>		
<b>Global Honors Experience</b>		
<i>Students are required to accumulate 100 points. Experiences include (but are not limited to): *</i>		
Additional Honors Courses		
Additional Language Courses		
Study Abroad		
Community Service		
Internships		

\* Refer to Lloyd International Honors College (<https://honorscollege.uncg.edu/>) website for the complete list of opportunities.

## **Recognition**

Students who complete the requirements for the Global Honors Program receive a Certificate of Global Honors, have that accomplishment noted on their official transcript, and are recognized at a cording ceremony or banquet at the end of each semester.

# INTERDISCIPLINARY PROGRAMS

- Birth Through Kindergarten (p. 770)
  - Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 770)
  - Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 771)
  - Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 771)
  - Add-On Licensure in Birth through Kindergarten (p. 772)
- Health Management (p. 772)
  - Health Management, M.S.N./M.B.A. (p. 772)

## Birth Through Kindergarten

- Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. (p. 770)
- Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate (p. 771)
- Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate (p. 771)
- Add-On Licensure in Birth through Kindergarten (p. 772)

## Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed.

The synchronous online Master of Education (M.Ed.) program in Birth-Kindergarten Interdisciplinary Studies in Education and Development is offered jointly by the Department of Human Development and Family Studies and the Department of Specialized Education Services. The program prepares students to assume leadership roles in diverse settings (both education and community-based) that develop and implement programming for young children with and without disabilities, ages birth to five, and their families. The degree consists of a minimum of 37 credit hours of graduate course work beyond the bachelor's degree.

Two concentrations are offered: one in Early Childhood Leadership and Advanced Teaching Licensure and another in Early Childhood Leadership and Program Administration.

The concentration in Early Childhood Leadership and Advanced Teaching Licensure is designed for students with a Standard Professional I or initial license seeking education in early childhood leadership and an advanced teaching license. Those with an initial license in another field of education must satisfy prerequisite requirements and complete eight weeks of student teaching (which adds 6 credit hours to the program). Students are eligible for the "M" advanced license in BK upon successful completion of the program.

The concentration in Early Childhood Leadership and Program Administration equips teachers, directors/administrators, technical assistance providers, and other professionals working closely with early childhood educators to be leaders in the field. It includes advanced training in a variety of areas, including personnel development and support, financial management, early childhood systems and policy, leadership and mentoring, child and program assessment, and curriculum

within the context of family-centered practices to work effectively with diverse children and families in inclusive settings.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

Applicants must submit an application to The Graduate School, which includes:

- Professional statement, a current resume;
- Official transcripts with a GPA of 3.0 or higher; and
- Three letters of recommendation with at least one academic reference if possible.

Applicants to the Early Childhood Leadership and Advanced Teaching Licensure Concentration must also submit documentation of their initial teaching license.

An interview and writing sample may be required.

The GRE is not required.

## Degree Program Requirements

**Required:** 37 credit hours

Additional academic work may need to be completed by students without foundational skills or content knowledge in early childhood. Credits may only be applied toward the M.Ed. degree from the Birth-Kindergarten Initial Licensure or the Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate courses (see the Birth-Kindergarten: Initial Licensure or the Leadership in Infant and Toddler Learning Post-Baccalaureate Certificate program requirements). The amount of credit that may be applied toward the M.Ed. degree varies depending on the concentration a student selects. Examples of courses that may be applied toward the M.Ed. degree program include SES 601 Introduction to Inclusive Birth-Kindergarten Services and SES 603 Screening/Assessment in Inclusive Early Childhood Services.

Code	Title	Credit Hours
<b>Core Courses Required for both Concentrations (21 credits)</b>		
<i>Course Work Related to Theory and Practice (15 credits)</i>		
HDF 633	Advanced Curriculum in Early Childhood Education	3
HDF 636	Leadership in Educating Young Children	3
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
<i>Course Work Related to Research (6 credits)</i>		
ERM 604	Methods of Educational Research	3
HDF 650	Theory and Research in Early Childhood	3
<b>Concentration (10 credits)</b>		
Select one of the following concentrations:		10
<i>Early Childhood Leadership and Advanced Teaching Licensure Concentration</i>		
<i>Early Childhood Leadership and Program Administration Concentration</i>		
<b>Practicum (6 credits)</b>		

SES 604	Internship in Inclusive Early Childhood	6
<b>Total Credit Hours</b>		<b>37</b>

### Professional Portfolio (Capstone Experience)

The final portfolio is the culminating experience. It includes two components:

1. A written document that includes a series of reflective essays, and
2. An oral defense, discussing the content of the essays and rationale for the use of documents.

This portfolio will demonstrate the mastery of skills and knowledge in the program competency areas. It is submitted by the student and evaluated by a team of two faculty and one practicing professional. If the portfolio and presentation do not meet departmental standards, one revision is allowed. The final portfolio is required of all students graduating from the program.

### Early Childhood Leadership and Advanced Teaching Licensure Concentration

Code	Title	Credit Hours
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In addition to the core courses, the Early Childhood Leadership and Advanced Teaching Licensure Concentration requires:

#### Course Work Related to Theory and Practice (4 credits)

HDF/SES 606	Preschool-Kindergarten Learning in Inclusive Settings	4
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#### Electives (6 credits)

Select 6 credits from the following: *	6
HDF 634 Contemporary Issues in Early Childhood Policy	
HDF 653 Contemporary Research in Family Studies	
HDF 730 Cross-Cultural Perspectives on Child Development	
SES 605 Diversity and Inclusive Early Care and Education	
SES/HDF 607 Infant-Toddler Learning in Inclusive Settings	
SES 647 Collaboration and Leadership	
SES 662 Assistive Technology for Inclusive Education	

#### Practicum (6 credits)

SES 649C	Practicum in Special Education **	6
<b>Total Credit Hours</b>		<b>10-16</b>

\* To be selected from list or with approval of advisor. Other courses with approval of advisor.

\*\* 6 credits in SES 649C is required, as applicable, if student's initial licensure is in an area other than Birth-Kindergarten.

### Early Childhood Leadership and Program Administration Concentration

Code	Title	Credit Hours
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In addition to the core courses, the Early Childhood Leadership and Program Administration Concentration requires:

#### Course Work Related to Theory and Practice (4 credits)

HDF 637	Administration of Early Care and Education Programs: Financial and Personnel Management	4
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#### Required Electives (6 credits)

HDF 634	Contemporary Issues in Early Childhood Policy	3
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SES 605	Diversity and Inclusive Early Care and Education	3
<b>Total Credit Hours</b>		<b>10</b>

### Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Birth-Kindergarten (BK) Initial Licensure provides training for students with a bachelor's degree seeking an initial NC Birth-Kindergarten teaching license. This certificate program requires 20 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and an initial teaching license in BK. Students also have an option for transitioning from this program into the M.Ed. program in which they may be eligible for an advanced license in BK. Course work from the plan of study for the Post-Baccalaureate Certificate may be applied to the M.Ed. in Birth to Kindergarten: Interdisciplinary Studies in Education and Development provided the student meets all admission requirements of The Graduate School, the Department of Human Development and Family Studies and the Department of Specialized Education Services.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The certificate is available to individuals with a bachelor's degree in early childhood education, child development, early childhood special education, or a related field.

Students who wish to transition into the M.Ed. program must submit a new application for the M.Ed. to the Graduate School. It is the students' responsibility to initiate the process and review it with their advisor.

### Certificate Program Requirements

**Required:** 20 credit hours

Code	Title	Credit Hours
<b>Birth-Kindergarten Initial Licensure Required Courses (20 credits)</b>		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
SES/HDF 606	Preschool-Kindergarten Learning in Inclusive Settings	4
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	4
SES 649C	Practicum in Special Education	6
<b>Total Credit Hours</b>		<b>20</b>

### Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate

The online Post-Baccalaureate Certificate in Leadership in Infant and Toddler Learning requires 19 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. The program is designed to provide students with graduate level training and a credential to pursue careers in leadership

positions in early care and education settings focusing on infants and toddlers, including early intervention, Smart Start, resource and referral, and community college instruction.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The certificate is available to students with a bachelor's or master's degree who do not plan to pursue a degree program or for students who are pursuing a master's degree in Human Development and Family Studies or Specialized Education Services. If pursuing a master's degree simultaneously, students must meet all requirements for admission to The Graduate School, Human Development and Family Studies, and Specialized Education Services.

The certificate is also open to graduate students with background knowledge in early childhood education, child development, early childhood special education, or a closely related field. Students who are enrolled in the LITL certificate program and wish to enroll in the M.Ed. program must submit a new application for the M.Ed. program to The Graduate School. It is the student's responsibility to initiate the process and, if accepted to the M.Ed. program, review program requirements with the advisor.

## Certificate Program Requirements

**Required:** 14 credit hours

Code	Title	Credit Hours
<b>Required Courses (14 credits)</b>		
HDF/SES 607	Infant-Toddler Learning in Inclusive Settings	4
HDF 636	Leadership in Educating Young Children	3
HDF 650	Theory and Research in Early Childhood	3
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 602	Inclusive Family-Centered Practices in Early Childhood	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
<b>Total Credit Hours</b>		<b>14</b>

## Add-On Licensure in Birth through Kindergarten

The online Add-On Licensure in Birth through Kindergarten (BK) provides graduate-level training for students who hold a teaching license in another area and want to add the North Carolina Birth-Kindergarten teaching license to their licensure qualifications. The program requires 14 credit hours and is offered jointly by the departments of Human Development and Family Studies and Specialized Education Services. At the completion of the program, students qualify to be recommended for the Add-On Licensure in BK. Credits completed for the licensure program may be counted toward the M.Ed. in Birth-Kindergarten Interdisciplinary Studies in Education and Development.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

In addition to the application materials required by the Graduate School, applicants must have:

- Bachelor's degree in education or related field
- Teaching licensure (initial or continuing) in a non-Birth through Kindergarten area
- Undergraduate GPA of at least 3.0

## Licensure Requirements

**Required:** 14 credit hours

Code	Title	Credit Hours
<b>Birth-Kindergarten Initial Licensure Required Courses (14 credits)</b>		
SES 601	Introduction to Inclusive Birth-Kindergarten Services	3
SES 603	Screening/Assessment in Inclusive Early Childhood Services	3
SES/HDF 606	Preschool-Kindergarten Learning in Inclusive Settings	4
SES/HDF 607	Infant-Toddler Learning in Inclusive Settings	4
<b>Total Credit Hours</b>		<b>14</b>

## Health Management

- Health Management, M.S.N./M.B.A. (p. 772)

## Health Management, M.S.N./M.B.A.

The combined M.S.N./M.B.A. is offered jointly by the School of Nursing and the Bryan School of Business and Economics and requires a minimum of 62 credit hours.

Please refer to the enrollment requirements for all graduate nursing students.

For information regarding deadlines and requirements for admission, please see <https://grs.uncg.edu/programs/>.

The Associate Dean for Academic Programs reviews the credentials of each applicant in collaboration with faculty from each specialty area. Exceptions to the requirements can be made on the recommendation of the faculty. The Associate Dean for Academic Programs forwards the admission recommendation to the Vice Provost for Graduate Education who makes the final decision.

Applicants must meet the following requirements:

- Current unrestricted licensure as a registered nurse in one of the 50 states or validated credentials by CGFNS for international students. Residents of North Carolina must hold unrestricted North Carolina licensure as a registered nurse.
- Baccalaureate degree in nursing from a program accredited by a nationally recognized accrediting agency.
- Minimum of one year full-time clinical nursing experience.
- Satisfactory MAT/GRE score.
- An inferential statistics course and health assessment course at the undergraduate level are required prerequisite courses.
- A minimum of 3.2 GPA is required from the undergraduate nursing program.
- A resume.
- A personal statement of 400 words or less that comments on applicant's nursing background and discusses future goals.

- Three professional nursing references (mix of educational and professional sources).
- An interview is required for selected applicants.
- Nonresidential international students are required to participate in a telephone interview.

## Degree Program Requirements

**Required:** 62 credit hours

### Computer Literacy

Upon entry to the M.S.N./M.B.A. in Health Management program, students should have a working knowledge of word processing and spreadsheet applications in a PC environment. Familiarity with Excel is required.

### Statistics

ECO 250 Economic and Business Statistics I of pre-M.B.A. workshop in statistics is recommended to meet the program prerequisite for statistics.

Code	Title	Credit Hours
<b>Required Courses (62 credits)</b>		
NUR 540	Financial Management in Healthcare	3
NUR 607	Interprofessional/Interdisciplinary Collaboration and Negotiation	3
NUR 609	The Role of the Nurse Leader in Advanced Quality and Safety	4
NUR 614	Information Technology in Nursing Administration	3
NUR 620	Law, Policy, and Economics of Healthcare	3
NUR 641	Leadership and Management Essentials in Healthcare: Theories and Roles	4
NUR 644	Organizational Leadership and Management	4
NUR 645	Strategic Management of Health Care Organizations	4
NUR 646	Nursing Leadership and Management Practicum	4
NUR 715	Research Methods in Nursing	3
MBA 701	Quantitative Analysis	3
MBA 702	Financial and Managerial Accounting	3
MBA 703	Managerial Economics	3
MBA 706	Marketing Management	3
MBA 707	Financial Management	3
MBA 708	Operations for Competitive Advantage	3
MBA 712	Strategic Management	3
MBA 717	Innovation	3
MBA 741	Capstone Consulting Project	3
<b>Total Credit Hours</b>		<b>62</b>

### Required Withdrawal

Please refer to the Required Withdrawal section listed in the M.S.N. requirements: <https://catalog.uncg.edu/nursing/nursing-administration-education-msn/#requirementstext>.

# ACADEMIC OFFICES

- International Programs Center (p. 774)
- Preprofessional Programs (p. 776)
- Residential Colleges (p. 781)

## International Programs Center

207 Foust Building  
336-334-5404  
<https://international.uncg.edu/>

### Administration

**Maria Anastasiou**, Associate Provost for International Programs  
**Denise Bellamy**, Senior Director of International Programs  
**Derek Bradley**, Associate Director, SAE  
**Logan Stanfield**, Assistant Director, SAE  
**Tara Hall**, Faculty-led Program Coordinator, SAE  
**Jennifer Kelley**, International Student & Scholar Services Lead & International Student Advisor  
**Norma Velazquez**, Senior International Advisor (Students and Scholars)  
**Delisha Stafford**, Assistant Director, ISSS/SAE  
**Wayne Johnson**, Financial Coordinator

### About

As the University's central point of contact for all of its international activities, the International Programs Center (IPC) develops, coordinates, and supports global learning opportunities for students. IPC's work supports UNC Greensboro's diversity, equity, and inclusion goals.

### Education Abroad

A UNC Greensboro student in good standing may engage in a summer, semester, or academic year opportunity abroad in several ways.

### Faculty-Led Programs

UNC Greensboro professors regularly develop and lead student group programs overseas for course credit. Over the past few years, groups have gone to such countries as Costa Rica, Italy, Greece, Spain, United Kingdom, and Tanzania, among many others. Faculty lead students abroad on interculturally immersive short-term programs during Winter Break, Spring Break, and over summer.

### Exchange Programs

UNC Greensboro students may study abroad for a semester or year at one of our partner universities while still paying UNC Greensboro tuition and utilizing all their financial aid. This makes exchange programs one of the most accessible avenues for studying abroad. These long-standing exchange partnerships provide reliable support abroad since UNC Greensboro reciprocally hosts exchange students from these partner universities to come and study at UNC Greensboro. Programs are available for every major in over 40 countries around the world.

### Virtual Global Programs

UNC Greensboro students may take advantage of virtual international experiences to learn a language, access subject areas as taught by partner institutions, or even engage in an internship with an organization abroad. These affordable, credit-bearing and non-credit bearing opportunities allow students to engage internationally regardless of where they are located.

### Additional Education Abroad Programs

Students can also take advantage of dozens of additional approved summer, semester, and year-long study, intern, and research abroad opportunities offered by UNC Greensboro partner universities, affiliated education abroad providers, and faculty members. These non-exchange education abroad options also offer a cost effective means to engage in global activities.

Note that participation in non-UNC Greensboro-affiliated education abroad programs requires approval from the International Programs Center in order for transfer credit to be awarded, for non-credit curricular requirements to be satisfied, or for UNC Greensboro financial aid or scholarships to apply.

## International Student and Scholar Services

UNC Greensboro is home to more than 700 international students and scholars who represent more than 70 countries around the world. Specific services and advocacy are provided by the International Student and Scholar Services (ISSS) for international students (both degree-seeking and short-term incoming exchange), and visiting scholars, including faculty, researchers, and observers. IPC provides services from the time of initial contact through the student or scholar's entire experience at the university. IPC offers continued support to international students up to 36 months beyond graduation for those who participate in the Optional Practical or Academic Training post-completion employment benefit associated with the F and J visa status.

### Support for select scholarships

The International Programs Center (IPC) successfully supports study abroad students applying for and receiving the Benjamin Gilman International Scholarship.

IPC also provides information and support to current students and recent graduates applying for the U.S. Fulbright Student Program and the Barry Goldwater Scholarships. Opportunities include undergraduate and graduate study, research, and teaching – often in other countries. IPC works with faculty and units across campus to provide advice and feedback to candidates at all stages of the application process.

## System-Wide Initiative: Baden-Württemberg North Carolina (BW/NC) Exchange Program

On behalf of the UNC System, IPC is responsible for the administration of the Baden-Württemberg state-to-state Exchange Program (<https://sites.google.com/uncg.edu/bwnc-exchange/home/>). We established this study abroad exchange partnership between North Carolina's 15 university campuses and the 9 Baden-Württemberg universities in Germany. The BW/NC Exchange Program allows students to continue enrollment on their home campus while studying abroad at an exchange institution in Baden-Württemberg or North Carolina for no additional tuition.

### Committees

All IPC activities are carefully supervised and supported by the following committees:

- IPC Advisory Committee
- Study Abroad Committee
- Discretionary Funds Committee
- University-Affiliated International Travel Committee
- Global Leadership (GLP) Steering Committee

## Preprofessional Programs

UNC Greensboro offers courses required for admission to medical, dental, pharmacy, veterinary, occupational therapy or physical therapy schools, or as needed for entrance into law school. A suggested two-year pre-engineering curriculum prepares students to transfer to schools with engineering programs.

At UNC Greensboro, Preprofessional Programs *are not majors in which degrees can be earned nor do they prescribe courses required for graduation.*

Rather, these "Programs" are meant to identify students with an interest in applying to a post-graduate professional school in the health sciences, engineering, or law. Therefore, students who choose to designate an interest track must still select an academic area of study as their major.

Students elect to become associated with the Preprofessional Programs by selecting an **interest track** which matches their future career aspirations. Making this election through a form provided on the SpartanConnect website then allows UNC Greensboro to provide targeted advising and support to assist students in preparing for application to their post-graduate schools of choice. The election form can be accessed via the following link: <https://spartancentral.uncg.edu/forms/pre-professional-interest-tracks>

Students interested in designating a preprofessional interest track are urged to seek advising early in their academic careers.

## Health Sciences

UNC Greensboro provides individualized, one-on-one support for students planning for a career in a health-related field through the Health Careers Advisory Committee, a group of faculty and professional advisors who are trained and experienced in helping students successfully navigate the path towards creating a competitive application to these graduate programs after completing a degree at UNC Greensboro. The committee can meet with prospective students before they arrive at UNC Greensboro, they provide assistance while students are at UNC Greensboro, and then also guide UNC Greensboro alumni for as long as needed.

We offer the rigorous courses required for admission to medical, dental, pharmacy, veterinary, physician assistant, optometry, occupational therapy or physical therapy schools, and most other health-related professional schools.

### Health Sciences Interest Tracks

- Pre Medicine (M.D. or D.O.)
- Pre Physician Assistant
- Pre Dentistry
- Pre Physical Therapy
- Pre Occupational Therapy
- Pre Pharmacy
- Pre Veterinary Medicine
- Pre Dentistry, Pre Medicine, Pre Physician Assistant, and Pre Veterinary Medicine (p. 776)
- Pre Engineering (p. 778)
- Prelaw (p. 778)
- Pre Occupational Therapy (p. 779)

- Pre Pharmacy (p. 779)
- Pre Physical Therapy (p. 780)

## Pre Dentistry, Pre Medicine, Pre Physician Assistant, and Pre Veterinary Medicine

### Health Careers Advisory Committee

*Robin G. Maxwell, Committee Chair, Senior Lecturer, Department of Biology  
Jeremy Ingraham, Assistant Chair, Senior Lecturer, Department of Biology  
Angela Allred, Students First Office  
Joseph Bundy, Lecturer, Department of Biology  
Jessica Caporaso, Lecturer, Department of Psychology  
Jennifer Clark, Advisor, School of Health and Human Sciences  
Mark Hens, Associate Professor, Department of Biology  
Karen Katula, Associate Professor, Department of Biology  
John Lepri, Professor, Department of Biology  
Kimberly Miller, Associate Professor, Department of Community and Therapeutic Recreation  
Ron Morrison, Associate Professor, Department of Nutrition  
Pradyumna Pradhan, Lecturer, Department of Chemistry and Biochemistry  
Promod Pratap, Associate Professor, Department of Physics and Astronomy  
Candie Rumph, Lecturer, Department of Biology  
Caitlin Saraphis, College of Arts and Sciences Advising Center  
Randy Schmidt, Professor, Department of Kinesiology  
Casey Taylor, Senior Lecturer, Department of Biology  
Aaron Terranova, Associate Professor, Department of Kinesiology*

Students should declare the appropriate preprofessional **interest track** by using the form provided on our Spartan Central website (<https://spartancentral.uncg.edu/forms/pre-professional-interest-tracks>).

Students with these declared interest tracks will be assigned to a member of this committee to assist in planning their program of study as their **secondary advisor**. They will also be automatically enrolled in the (ORG) Pre-Professional Programs group in Canvas, which will provide resources and communication about upcoming events, opportunities, and deadlines.

The admission requirements vary slightly among the various schools and programs. For specific information students should review the websites of the specific professional schools to which they are most interested in applying. Other sources of information are current databases of programs such as the Medical School Admission Requirements and Admission Requirements of American Dental Schools.

Most professional training programs require a core of courses ("prerequisites") that must be completed before admission. They can be successfully incorporated into almost any major. The choice of major does **not** significantly affect the student's probability of admission to a given professional graduate school. Students should give consideration to any major that they find interesting and in which they excel. Nearly all professional schools require completion of a bachelor's degree, although some Pharmacy and Physical Therapy schools may allow enrollment of students without bachelor's degrees.

The achievement of outstanding academic credentials should not be accomplished at the expense of sacrificing extracurricular activities. Professional programs prefer students who have actively pursued their interests, especially in the areas of leadership, service to under-served populations, and clinical or health-related experiences. (Physician

assistant and veterinary medicine schools require specified hours of clinical care experiences for competitive application. Medical schools prioritize applicants who have paid medical experience such as CNA, CMA, EMT, phlebotomist, etc.)

In addition to course work, virtually all professional schools require some form of standardized test prior to consideration of a student's admission application. These tests are usually taken in the spring before application is made to the professional school centralized application service in early summer. Medical schools require the Medical College Admission Test (MCAT), dental schools the Dental Admission Test (DAT), and veterinary medicine schools and physician assistant schools the Graduate Record Examination (GRE) Aptitude Test, optometry schools require the OAT, etc.

Applications to professional schools are made a year before expected matriculation, usually between **May and September**. This means that the course work included on the standardized entrance test must be completed by the end of the **junior year** of college in order to move straight from college to professional schools the following August without a "gap" year. With this being said, students should be aware that completing requirements to apply after the **senior year** would allow them to spread out the required courses, pursue minors or second majors, or study abroad, which may increase the success of students in admissions to professional schools. In the application year, early application to professional schools (**by August 1**) is strongly recommended, as interviews and acceptances go first to the earliest applicants. (Physician assistant schools start in June, August or January, so their application cycle begins in April.)

Professional school applications are made directly to Centralized Application Services for each type of graduate program. The American Medical College Application Service (AMCAS) is the agent for allopathic medical schools, the American Association of Dental Schools Application Service (AADSAS) is the agent for many dental schools, the American Association of Colleges of Osteopathic Medicine (AACOMAS) is the agent for osteopathic medical schools, the Central Application Service for Physician Assistants (CASPA) is the agent for physician assistant schools and the Veterinary Medical College Application Service (VMCAS) is the agent for most veterinary medical schools. Application information is available from those services directly and through the Canvas Pre-professional Programs group resources. Medical, dental, PA and vet schools not subscribing to the centralized application service must be contacted individually.

Students interested in other post college health careers such as **Optometry, Podiatric Medicine, Chiropractic Medicine, Genetic Counseling**, etc. are encouraged to declare a *Pre-medicine* interest track as well, to have access to the resources and Health Careers Advisory Committee for assistance in planning their programs of study.

## Pre Medicine Recommended Courses

Allopathic and osteopathic medical schools generally require the categories below.

Code	Title	Credit Hours
<b>Biology with Laboratory</b>		
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	12
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	

BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
<b>General Chemistry with Laboratory</b>		
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	8
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
<b>Organic Chemistry with Laboratory</b>		
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory	
<b>Biochemistry</b>		
Select one option of the following:		
Option A		
CHE 420	Chemical Principles of Biochemistry	
Option B		
CHE 556	Biochemistry I	
CHE 557	Biochemistry II	
Option C		
BIO 435	Biochemistry: Metabolic Regulation in Health and Disease	
<b>Physics with Laboratory</b>		
Select one option of the following:		
Option A		
PHY 211 & 211L	General Physics I and General Physics Lab I	
PHY 212 & 212L	General Physics II and General Physics Lab II	
Option B		
PHY 291 & 291L	General Physics I with Calculus and General Physics I with Calculus Lab	
PHY 292 & 292L	General Physics II with Calculus and General Physics II with Calculus Lab	
<b>Mathematics *</b>		
MAT 190	Precalculus	6
STA 108	Elementary Introduction to Probability and Statistics	
STA 271	Fundamental Concepts of Statistics	
<b>College Writing</b>		
ENG 101	Exploring Writing in College Contexts	6
ENG 102	Academic Research and Writing	
<b>Behavioral Sciences</b>		
PSY 121	General Psychology	
SOC 101	Introduction to Sociology	

\* A few schools require mathematics through calculus, while nearly all require statistics.

Other courses that may be required include those detailed below.

Code	Title	Credit Hours
<b>Cell Biology and Genetics</b>		
BIO 355	Cell Biology	6
BIO 392	Genetics	

<b>Histology with Laboratory</b>	4
BIO 472      Histology	

## Pre Dentistry Recommended Courses

Dental school preparatory course requirements are usually much like those for medical school; however, they may also require anatomy in addition to the classes listed above.

Code	Title	Credit Hours
<b>Anatomy with Laboratory</b>		
BIO 271	Human Anatomy	
& 271L	and Human Anatomy Laboratory	
<b>Microbiology with Laboratory (some)</b>		
BIO 280	Fundamentals of Microbiology	
& 280L	and Fundamentals of Microbiology Laboratory	
BIO 481	General Microbiology	
& 481L	and General Microbiology Laboratory	

## Pre Physician Assistant Recommended Courses

Physician assistant programs are more variable in requirements than medical schools. While still requiring the same Biology and Chemistry courses as medical and dental schools, they typically do not require Physics courses, but add courses in **Anatomy, Microbiology, Genetics, and Medical terminology**.

## Pre Veterinary Medicine Recommended Courses

Veterinary school course requirements are considerably more extensive than those for medical or dental schools. In addition to specifying all of the above courses in mathematics, chemistry, and biology, these programs typically require or recommend more courses in **animal science, general microbiology, animal nutrition, and possibly some business courses**. Several hundred hours of work experience with animals or in a veterinarian's practice is required. Students interested in veterinary school should make contact with the school and with the advisory committee at an early stage of their undergraduate careers, to discuss how to meet these requirements.

## Pre Engineering Advisors

**Promod Pratap, Associate Professor, Department of Physics and Astronomy**

The following two-year pre-engineering curriculum offers preparation for students who plan to transfer to engineering programs in other institutions. This program has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Students interested in engineering should contact the advisors above as soon as possible.

See the designated General Education requirements and approved course listings. Recommended are a beginning course in literature, history (200 level), history or philosophy of science, and communications\*. Some engineering programs require proficiency in a foreign language through the level of the first year (101–102). Students should make appropriate

selections after consultation with an advisor. More information may be found on the Web at <https://physics.uncg.edu/undergraduate-program/pre-engineering-at-uncg/>.

Note that the one-hour Kinesiology activity courses may be taken in any semester; most engineering schools require at least two P.E. credits.

## Requirements

Course	Title	Credit Hours
<b>Freshman</b>		
<b>First Semester</b>		
ENG 101	Exploring Writing in College Contexts *	3
CHE 111	General Chemistry I	3
CHE 112	General Chemistry I Laboratory	1
MAT 190 or MAT 196	Precalculus or Calculus A	4
Select 6 credits from GEC Categories		6
Select 1 credit from Kinesiology activity courses		1
<b>Credit Hours</b>		18
<b>Second Semester</b>		
ENG 102	Academic Research and Writing *	3
CHE 114	General Chemistry II	3
CHE 115	General Chemistry II Laboratory	1
MAT 196 or MAT 296	Calculus A or Calculus B	4
PHY 291	General Physics I with Calculus (If student is registered for MAT 196 concurrently, PHY 291 can be taken with permission of instructor.)	4
Select 1 credit from Kinesiology activity courses		1
<b>Credit Hours</b>		16
<b>Sophomore</b>		
<b>Summer Session II</b>		
If student has not taken MAT 296 in the spring of freshman year.		
MAT 296	Calculus B	4
<b>Credit Hours</b>		4
<b>First Semester</b>		
MAT 396	Calculus C	4
PHY 292	General Physics II with Calculus	4
Select 3 semester hours from GEC Categories		3
ECO 201	Principles of Microeconomics **	3
CSC 120	Introduction to Computer Programming for Non-Majors	3
<b>Credit Hours</b>		17
<b>Second Semester</b>		
MAT 390	Ordinary Differential Equations	3
Select 9-12 credits from GEC Categories, including a GenEd Social Sciences (UNCG GSB Attribute)		9-12
<b>Credit Hours</b>		12-15
<b>Total Credit Hours</b>		67-70

\* This requirement may be exempted.

## Prelaw

### Advisory Committee

*Eloise M. Hassell, Lecturer, Department of Management*

*Christopher Hodgkins, Professor, Department of English*

*Thomas Jackson, Associate Professor, Department of History*

*Susan Johnson, Associate Professor, Department of Political Science*

*Bas Van der Vossen, Assistant Professor, Department of Philosophy*

*Saundra Westervelt, Associate Professor, Department of Sociology*

Admittance to law school is based primarily on a student's grade point average, score on the law school admission test (LSAT), and other materials furnished in an application for admission.

Like most universities, UNC Greensboro does not have a Prelaw major. Students who plan to attend law school may select their major from any academically rigorous field. However, since law schools seek to admit students who can think, speak, and write at the highest levels of competency, students (regardless of major) should take courses that develop skills in critical, creative, and reflective thinking as well as clear and cogent writing and speaking. To obtain these skills, it is especially useful to take courses in the areas of Philosophical, Religious, and Ethical Principles (GPR) and Reasoning and Discourse (GRD). Courses in these areas are offered by many departments, including Anthropology, Communication Studies, English, History, Philosophy, Political Science, Religious Studies, and Sociology. In addition, Freshman Seminars, Honors, and Residential College courses are helpful. Students should also be sure to develop computer skills.

Students interested in Prelaw should consult one of the Prelaw advisors from the above list in addition to their major advisors.

## Pre Occupational Therapy Advisors

**Stuart J. Schleien**, Professor and Director of Graduate Study, Department of Community and Therapeutic Recreation

**Leandra A. Bedini**, Professor, Department of Community and Therapeutic Recreation

**Judy S. Kinney**, Assistant Professor, Department of Community and Therapeutic Recreation

**Kimberly D. Miller**, AP Assistant Professor, Department of Community and Therapeutic Recreation

Four occupational therapy (OT) programs are currently available in North Carolina: The University of North Carolina at Chapel Hill, East Carolina University, Lenoir-Rhyne College, and Winston-Salem State University offer a Master of Science (M.S.) in Occupational Therapy. Accreditation changes in occupational therapy now require that all students completing a degree in occupational therapy after January 1, 2007 must obtain the master's degree.

Students seeking admission into a Master of Science program in Occupational Therapy may declare a major in Recreation and Parks Management (RPMT), with an emphasis in Therapeutic Recreation, but will be expected to complete a core of additional courses.

## Requirements

Requirements for entry into an M.S. program in O.T. generally include the courses detailed below. Additional recommendations may include (depending on the master's program of interest to student) a course in either an academic or community-based setting that requires the skills of the body and mind, such as art, music, dance, recreation, sports classes, theater, etc. First aid and CPR certification may also be required. Students should contact an advisor for assistance in planning their program of study.

Code	Title	Credit Hours
<b>Introductory Biology</b>		<b>4</b>
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
<b>Human Anatomy with Lab</b>		<b>4</b>
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
<b>Human Physiology with Lab</b>		<b>4</b>
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
<b>Abnormal Psychology</b>		<b>3</b>
PSY 341	Adult Psychopathology	
<b>Introduction to Statistics</b>		<b>3</b>
STA 108	Elementary Introduction to Probability and Statistics	
<b>Human Growth and Development</b>		<b>10-11</b>
HDF 111 or PSY 250	Human Development Across the Life Span Developmental Psychology	
<i>Select 3 credits of Kinesiology or course related to Human Movement and Analysis</i>		
<i>Select 3 credits of Sociology, Anthropology, or Cultural Diversity</i>		
<i>Select 1-2 credits of Medical Terminology</i>		
<i>Select a reasoning course such as philosophy, logic, ethics, methods, or research inquiry in a social science</i>		

## Pre Pharmacy Advisors

**Nicholas Oberlies**, Professor, Department of Chemistry and Biochemistry  
**Robin G. Maxwell**, Senior Lecturer, Department of Biology

Students seeking a professional degree in Pharmacy may follow a Pre Pharmacy curriculum at UNC Greensboro. In some cases, it is possible to complete the prerequisites in two or more years and then transfer to a school of pharmacy. An additional three to four years will then be required to complete the Doctor of Pharmacy degree. There are 137 accredited schools of pharmacy in the United States. The North Carolina schools are the University of North Carolina at Chapel Hill, Campbell University, Wingate University, and High Point University.

Completion of the Pre Pharmacy work at UNC Greensboro does not guarantee admission to pharmacy school. Students should consult a Pre Pharmacy advisor before registering for courses. Those planning to apply to out-of-state pharmacy schools should bring along information from those schools.

## Requirements

Prepharmacy requirements generally include the courses as listed below. Many schools specify other humanities and social science courses, including communication studies, for a total of around 64 credit hours. Some research experience is also strongly recommended or required to be competitive for most pharmacy schools. Students will also be required to take the Pharmacy College Admission Test before applying to pharmacy school.

Code	Title	Credit Hours
<b>Biology</b>		<b>16</b>
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory *	
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory *	
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory *	
BIO 280 & 280L	Fundamentals of Microbiology and Fundamentals of Microbiology Laboratory *	
<b>Chemistry **</b>		<b>16</b>
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
CHE 351	Organic Chemistry I	
CHE 352	Organic Chemistry II	
CHE 354	Organic Chemistry Laboratory or CHE 355 Intermediate Organic Chemistry Lab	
<b>English</b>		<b>6</b>
ENG 101	Exploring Writing in College Contexts	
ENG 102	Academic Research and Writing	
<b>Mathematics and Statistics</b>		<b>6</b>
MAT 191	Calculus I	
STA 108	Elementary Introduction to Probability and Statistics	
<b>Physics</b>		<b>8</b>
<i>Select one option from the following:</i>		
<b>Option A</b>		
PHY 211	General Physics I *	
PHY 212	General Physics II *	
<b>Option B</b>		
PHY 291	General Physics I with Calculus *	
PHY 292	General Physics II with Calculus *	

\* Courses include an accompanying lab course.

\*\* UNC Chapel Hill also requires CHE 420 or CHE 556.

## Requirements

Requirements for the MPT and DPT generally include the courses listed below.

Additional recommendations include computer literacy and course work in biomechanics, and genetics. Students should contact the programs directly to ensure that they meet current requirements for each school. A complete listing of accredited physical therapy programs is available from the American Physical Therapy Association.

American Physical Therapy Association  
1111 North Fairfax Street  
Alexandria, VA 22314  
703-684-APTA

Students should contact an advisor for assistance in planning their program of study.

Code	Title	Credit Hours
<b>Statistics</b>		<b>3</b>
STA 108	Elementary Introduction to Probability and Statistics	
<b>Introductory Biology</b>		<b>8</b>
BIO 111 & 111L	Principles of Biology I and Principles of Biology I Laboratory	
BIO 112 & 112L	Principles of Biology II and Principles of Biology II Laboratory	
<b>Anatomy</b>		<b>4</b>
BIO 271 & 271L	Human Anatomy and Human Anatomy Laboratory	
or KIN 291	Clinical Human Anatomy	
<b>Physiology</b>		<b>4</b>
BIO 277 & 277L	Human Physiology and Human Physiology Laboratory	
or KIN 292	Clinical Human Physiology	
<b>Physics</b>		<b>8</b>
<i>Select one option of the following:</i>		
<b>Option A</b>		
PHY 211	General Physics I	
PHY 212	General Physics II	
<b>Option B</b>		
PHY 291	General Physics I with Calculus	
PHY 292	General Physics II with Calculus	
<b>General Chemistry</b>		<b>8</b>
CHE 111 & CHE 112	General Chemistry I and General Chemistry I Laboratory	
CHE 114 & CHE 115	General Chemistry II and General Chemistry II Laboratory	
<b>General Psychology</b>		<b>3</b>
PSY 121	General Psychology	
<b>Human Growth and Development</b>		<b>3</b>
HDF 111 or PSY 250	Human Development Across the Life Span Developmental Psychology	
<b>CPR Certification</b>		

## Pre Physical Therapy

### Advisors

**Robin G. Maxwell**, Senior Lecturer, Department of Biology

**Randy J. Schmitz**, Associate Professor, Department of Kinesiology

Six doctoral programs in physical therapy (DPT) are currently available in North Carolina. They are at Duke University, Elon University, UNC-Chapel Hill, East Carolina University, Western Carolina University, and Winston-Salem State University.

Students seeking a DPT degree may major in any academic area but will be expected to complete a core of science courses. The minimum grade point average for admission is 3.0 on a 4.0 scale. Volunteer experience in physical therapy is required for admission.

# Residential Colleges

**Including Warren Ashby Residential College, Ione Grogan Residential College, and Cornelia Strong Residential College**

*University Teaching and Learning Commons*

114 Guilford Hall  
336-256-1397  
<http://residentialcolleges.uncg.edu>

**Jennifer Stephens**, Director of the Residential Colleges Office (RCO), Department of Educational Leadership and Cultural Foundations

**Katherine Reese**, Administrative Support Associate for the Residential Colleges Office

**Sara Littlejohn**, Program Chair of Warren Ashby Residential College and Cornelia Strong Residential College, Department of English

**John Sopper**, Program Chair of Ione Grogan Residential College, Department of Religious Studies

**Chrissy Flood**, Associate Program Chair of Warren Ashby Residential College, Department of History

**Sarah Colonna**, Associate Program Chair of Ione Grogan Residential College, Women's and Gender Studies Program

**Anne Barton**, Associate Program Chair of Cornelia Strong Residential College, Department of History

**Will Dodson**, Residential College Coordinator of Warren Ashby Residential College and Cornelia Strong Residential College, Department of Media Studies

## UTLC Curriculum Committee

**Jennifer Stephens (Chair)**, Director of the Residential Colleges Office (RCO), School of Education

**Katherine Reese (Administrative Support)**, Administrative Support Associate for the Residential Colleges Office

**Sara Littlejohn**, Program Chair of Warren Ashby Residential College and Cornelia Strong Residential College, College of Arts and Sciences

**Jessica McCall**, General Education Council, College of Arts and Sciences

**Brett Nolker**, College of Visual and Performing Arts

**Carrie Rosario**, School of Health and Human Sciences

**John Sopper**, Program Chair of Ione Grogan Residential College, College of Arts and Sciences

**Catherine Sykes**, School of Nursing

**Melody Zoch**, School of Education

## About

The Residential Colleges (Ashby, Grogan, and Strong) provide a small college environment within the large university setting, with the advantages of both available to students. Administered by the Residential Colleges Office in the University Teaching and Learning Commons, the Residential Colleges are curricular and co-curricular academic communities designed around high-impact educational practices and populated by first- and second-year students who live together in a residence hall and take a common core of general education, capstone, and other interdisciplinary courses around a particular concept such as social justice and contemporary media literacies (Ashby), professionalism and team-based learning (Grogan), or sustainability and hands-on research (Strong). Having been a part of the UNC Greensboro academic community since 1970, these innovative living-learning environments offer a full slate of general education courses in Minerva's Academic Curriculum (MAC) in addition to a series of core courses that speak to and engage with a key concept that frames the curricular and co-curricular programming in each RC. The Residential

College model is founded on the idea that students who engage with faculty, take classes together in small communities, and connect their intellectual and academic experiences to their lives and communities have a better chance at thriving in college, while learning to explore new ideas and asking how that knowledge might benefit others.

Open to first- and second-year students in every major on campus, the Residential Colleges help students develop a strong foundation in critical inquiry, writing, speaking, and problem solving, as well as personal and social responsibility. Rich in traditions, the Residential Colleges each maintain a series of annual signature events and unique academic and social programs. The following unique curricular foci and signature pedagogies/methodologies integrate the courses and learning experiences within each RC:

### Ashby Residential College in Mary Foust Hall

Curricular Focus: Social Justice and Contemporary Media Literacies  
Signature Pedagogy/Methodology: Multi-literacies and Genre Work

### Grogan Residential College in Grogan Hall

Curricular Focus: Professionalism  
Signature Pedagogy/Methodology: Project- and Team-Based Learning

### Strong Residential College in Guilford Hall

Curricular Focus: Sustainability  
Signature Pedagogy/Methodology: Field Work and Hands-on Research

## Vision

Drawing on our rich histories, the Residential Colleges offer students innovative and interdisciplinary courses, close working relationships with faculty, and leadership opportunities that encourage intellectual curiosity, personal development, and civic engagement. Additionally, the Residential Colleges provide opportunities for faculty to refine their teaching praxis through supported development in High-Impact Educational Practices (HIPs).

## Requirements

Admission into one of the Residential Colleges is required for enrollment in courses and participation in co-curricular and social programs offered by the Residential Colleges. To apply for admission, incoming students respond to Residential College-specific questions on their university application. Once enrolled in the Residential Colleges, students may earn graduation cords and the Ashby, Grogan, or Strong Residential College Scholar transcript notation and be eligible for awards and scholarships by fulfilling the following minimum requirements:

1. Fulfillment of RC-specific (curricular, co-curricular, and leadership) participation expectations, including 4 semesters of residency in a Residential College.
2. Completion of 6–9 credits of Core RCO courses.
3. Completion of a 3-credit Capstone RCO course, including presentation of an undergraduate research and/or creative inquiry project.
4. Endorsement of the Program Chair of the Residential College.

## Ashby Residential College

*University Teaching and Learning Commons*

124 Mary Foust Hall  
336-334-5915

<http://ashby.uncg.edu>

**Sara Littlejohn**, Program Chair of Ashby Residential College, Department of English

**Christine Flood**, Associate Program Chair of Ashby Residential College, Department of History

**Will Dodson**, Residential College Coordinator of Ashby Residential College, Department of English and Department of Media Studies

## Ashby Residential College Core Values

Liberal education, multiliteracies, innovative learning, and social justice.

## Vision Statement

Ashby Residential College is a home on campus where students can relate serious academic studies to communal issues and personal development. Ashby upholds a tradition that fosters friendships, a commitment to life-long learning, and a responsibility to the community.

## Mission Statement

Ashby Residential College fosters a holistic academic community grounded in liberal education and multi-literacies. Our primary intellectual and social commitments are to global engagement, social justice, and multi-literacies, which includes sustainability, wellness, and global human rights. Our innovative, multidisciplinary curriculum and self-governing activities encourage students to:

- Integrate and apply knowledge to societal challenges with progressively higher levels of explorations and expectations;
- Organize, plan, and implement projects that foster personal development, innovation, leadership, and civic engagement; and
- Develop with faculty, staff, and alumni a strong and diverse community connected by a respect for individuality and a balance between public and private values.

## Overview

Ashby Residential College, founded in 1970, is the oldest residential college in North Carolina. We value faculty-student interactions and emphasize small-seminar classes that meet UNC Greensboro general education requirements. In-house programs provide support in terms of advising, library access, research, and developing skills in speaking and writing. Self-governing activities encourage students to integrate and apply knowledge to societal challenges, implement projects that foster personal development, innovation, leadership, and civic engagement. Mary Foust Hall houses approximately 120 co-ed freshmen and sophomores. All students who have been admitted to UNC Greensboro automatically qualify for application to Ashby. Anyone who wishes to receive more information about the program is encouraged to contact the Ashby Office, located in 124 Mary Foust Hall, 336-334-5915, and to visit the website: <http://ashby.uncg.edu>.

**Ashby Residential College in Mary Foust** is an inclusive, two-year program that offers a unique living and learning environment for a co-ed student community of approximately 120 freshmen and sophomores with a limited number of Upper-Class Mentor participants. Ashby is a small college but with immediate and complete access to the diverse facilities, programs, and departments of a larger university. Ashby provides a setting that encourages innovative study, small classes, unity of academic and social experiences, and close student-faculty contacts. A Residential College Coordinator, who serves on the faculty, resides in the hall. Other faculty members have offices in the residence hall. Students

and faculty serve on governing committees and participate together in special events within the community.

Every semester, the Ashby curriculum includes approximately eighteen courses taught by faculty from departments across campus. These courses meet UNC Greensboro general education requirements as well as requirements for a variety of majors. All students are asked to participate in one of the ARC multidisciplinary core courses, which represent four to five integrated courses from the Ashby curriculum, and to choose another class from the other curricular offerings, which represent a wide range of academic subjects. These seminars, along with varied types of independent study and community service work, make up approximately six hours of a student's semester course load. The remaining semester hours are taken within the greater university. Ashby students are not only full members of UNC Greensboro, but are also encouraged to participate in the life of the university.

## Grogan Residential College

*University Teaching and Learning Commons*

108 Grogan Hall  
336-334-5898  
<http://grogan.uncg.edu>

**John Sopper**, Program Chair of Ione Grogan Residential College, Department of Religious Studies

**Sarah Colonna**, Associate Program Chair of Ione Grogan Residential College, Women's and Gender Studies Program

## About

Grogan Residential College is a two year, residential and academic program that serves undergraduate students in all majors offered at UNC Greensboro. Recognizing the changing realities of work, Grogan helps students connect their passion, curiosity, and interests to their learning and development as future professionals. Grogan offers a personalized approach, project-based learning strategies, and opportunities for broad-based leadership and professional development.

Grogan College also serves as a "teaching innovations lab" where UNC Greensboro faculty develop new and more effective approaches to teaching and learning. Through its unique residential environment, dedicated faculty, innovative CORE courses and related experiential learning opportunities, Grogan College helps students develop perspectives, aptitudes, and skills needed for sustained professional success in a changing world.

## Mission Statement

Grogan Residential College fosters active lifelong learners and creative future professionals.

Members of Grogan College:

- Take Grogan Core courses that connect passion and curiosity to learning and professional development.
- Live with other students who share similar academic and professional interests.
- Connect with faculty through courses, workshops, field experiences, and other programs.
- Engage with peer mentors.

- Develop a capstone portfolio that effectively communicates the value of their Grogan experience and articulates their future professional path.

## Strong Residential College

*University Teaching and Learning Commons*

121 Guilford Hall  
336-334-1325  
<http://strong.uncg.edu>

**Sara Littlejohn**, Program Chair of Warren Ashby Residential College and  
Cornelia Strong Residential College, Department of English

**Anne Barton**, Associate Program Chair of Cornelia Strong Residential College,  
Department of History

**Will Dodson**, Residential College Coordinator of Cornelia Strong Residential  
College, Department of Media Studies

### About

Strong Residential College, founded in 1994, fosters a holistic academic community grounded in liberal education with an intellectual commitment to sustainability and hands-on research.

Strong College strives to help students make connections to the larger, global landscape by focusing on creating sustainable social, economic, structural, aesthetic, and environmental futures through fieldwork research, reflection, and learning—an approach that ultimately threads observation and analysis into intentional connections between education and social responsibility.

Students in this closely knit community will take at least two core courses focused on sustainable communities during their four semesters in the program and will also have the option of taking Minerva's Academic Curriculum (MAC) courses open only to Residential College students. In the fourth semester, students will complete independent capstone projects structured around the concept of sustainable communities. During the two years of the program, students will develop their leadership skills through participation in Strong College committees and will live in Guilford Residence Hall.

# ABOUT UNC GREENSBORO

- Accreditation Status (p. 784)
- Military-Affiliated Students (p. 784)
- Notices (p. 784)
- Research and Engagement (p. 785)
- The Graduate School (p. 785)
- Undergraduate Resources (<https://catalog.uncg.edu/about/undergraduate-resources/>)
- Useful Links (<https://catalog.uncg.edu/about/useful-links/>)
- Vision and Mission Statement (p. 785)

## Accreditation Status

The University of North Carolina at Greensboro is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, master's, educational specialist, and doctoral degrees. The University of North Carolina at Greensboro also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of the University of North Carolina at Greensboro may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).

Those interested may contact the Southern Association of Colleges and Schools Commission on Colleges for accreditation-related purposes such as inquiring about the accreditation status of UNC Greensboro, asking questions about the accreditation process, or to pursue procedures for filing complaints. All other inquiries, such as admission requirements, financial aid, educational programs, etc., should be made directly to UNC Greensboro, 336-334-5000.

## Military-Affiliated Students

Military-affiliated student information is available via the Military-Affiliated Services Office website at <https://military.uncg.edu> (<https://military.uncg.edu/>).

## Notices

### Equality of Educational Opportunity

The University of North Carolina at Greensboro is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, creed, gender, age, national origin, disability, military veteran status, political affiliation, or sexual orientation\*. Moreover, the University of North Carolina at Greensboro is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

This commitment is in keeping with Title IX of the Educational Amendments of 1972 and Section 504, Rehabilitation Act of 1973.

The Affirmative Action Officer is responsible for coordinating compliance and investigating complaints.

Affirmative Action Officer  
PO Box 26170  
UNC Greensboro  
Greensboro, NC 27402-6170

(336-334-5009)

\* *The UNC Greensboro discriminatory conduct policy includes protection for transgendered individuals, and actual or perceived gender identity or expression, within its prohibited discriminatory conduct.*

### Equality of Opportunity in the University

*The following is reprinted from <https://www.northcarolina.edu/apps/policy/doc.php?id=54>*

Admission to, employment by, and promotion in the University of North Carolina and all of its constituent institutions shall be on the basis of merit, and there shall be no unlawful discrimination against any person on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, genetic information, or veteran status. [UNC Policy Manual and Code, Chapter 1 - Section 103]

### UNCG Policy on Discrimination and Harassment

*The following is reprinted from <https://racialequity.uncg.edu/resources/>*

UNCG is committed to equal opportunity in education and employment for all persons and will not tolerate any discrimination against or harassment of persons on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, genetic information, veteran status, disabling condition, or age.

### Equity in Athletics Statement

Pursuant to the federal Equity in Athletics Disclosure Act, information about equity in UNC Greensboro's intercollegiate athletics programs may be obtained from the UNC Greensboro Athletic Department.

UNC Greensboro Athletic Department  
337 Coleman Building  
UNC Greensboro  
Greensboro, NC 27402

### Right-To-Know Statement

Pursuant to the federal Student Right-to-Know Act, UNC Greensboro graduation rates may be obtained from the Office of Institutional Research and Enterprise Data.

Office of Institutional Research and Enterprise Data  
PO Box 26170  
Greensboro, NC 27402-6170  
336-334-3736

### Public Records Policy

The full Public Records Policy can be accessed at [https://policy.uncg.edu/university\\_policies/public-records-policy-2](https://policy.uncg.edu/university_policies/public-records-policy-2) ([https://policy.uncg.edu/university\\_policies/public-records-policy-2/](https://policy.uncg.edu/university_policies/public-records-policy-2/)).

The Policy of UNC Greensboro is to conduct the public business in a transparent manner that is consistent with federal and state laws and regulations and effectively applies any relevant qualifying statutes or laws related to confidentiality, professional privilege, and personal use to all records generated in the course of University business. In accordance with N.C. Gen. Stat. 132-1, the University will, as promptly as possible,

provide responses to public records requests in accordance with the procedures outlined in section 5 of the policy.

With respect to confidentiality, it is the policy of UNC Greensboro to comply with various state and federal laws and to provide for the confidentiality of certain records protected by law, including, but not limited to, FERPA, HIPAA, the State Personnel Act, and the Public Records Act itself.

UNC Greensboro also has compliance and reporting obligations related to tracking Public Records requests. Therefore, all Campus departments and units must consult with the Public Records Officer in the Office of General Counsel before responding to public records requests and report to the Office of General Counsel all public records requests received by their records custodians. This consultation also serves to ensure that all other qualifiers that may impact the release of public records, including confidentiality and professional privilege, inform the final release of records.

## Research and Engagement

Please refer to the Research and Engagement website: <https://research.uncg.edu>.

## The Graduate School

Graduate student information is available via the Graduate School website at <https://grs.uncg.edu> (<https://grs.uncg.edu/>).

## Vision and Mission Statement

The following is reprinted from <https://www.uncg.edu/inside-uncg/mission> (<https://www.uncg.edu/inside-uncg/mission/>).

*Approved by Chancellor Linda P. Brady, October 4, 2012*

*Approved by the UNC Board of Governors, October 11, 2012*

*Reaffirmed by the UNCG Board of Trustees, March 24, 2022*

*Approved by the UNC Board of Governors, July 20, 2022*

UNC Greensboro will redefine the public research university for the 21st century as an inclusive, collaborative, and responsive institution making a difference in the lives of students and the communities it serves.

UNCG is ...

- A learner-centered, accessible, and inclusive community fostering intellectual inquiry to prepare students for meaningful lives and engaged citizenship;
- An institution offering classes on campus, off campus, and online for degree-seeking students and life-long learners;
- A research university where collaborative scholarship and creative activity enhance quality of life across the life-span;
- A source of innovation and leadership meeting social, economic, and environmental challenges in the Piedmont Triad, North Carolina, and beyond; and
- A global university integrating intercultural and international experiences and perspectives into learning, discovery, and service.

# ADMISSION TO THE UNIVERSITY

- Undergraduate Admissions (p. 786)
- Graduate Admissions (p. 796)

## Undergraduate Admissions

Students who participate in North Carolina's Reverse Transfer Program and earn an Associate of Arts or Associate of Science will have fulfilled the university's lower-division general education requirements (Minerva's Academic Curriculum), but not intermediate-level general education requirements like the College of Arts and Sciences' foreign language requirement. Also, due to degree requirements in some majors, additional lower-division courses at UNC Greensboro may be required beyond the general education courses and pre-major courses taken at the community college. UNC Greensboro seeks prospective students with ability, motivation, and the intellectual potential to meet UNC Greensboro standards of performance. UNC Greensboro's admission decision is based on an evaluation of the applicant's secondary school record and/or college record as shown in the subsections of the Undergraduate Admissions portion of the University Catalog.

The University of North Carolina at Greensboro is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, age, or disability. This commitment is in keeping with Title IX of the Educational Amendments of 1972 and Section 504, Rehabilitation Act of 1973, the ADA of 1990, and other applicable federal and state laws. The Affirmative Action Officer is responsible for coordinating compliance and investigating complaints.

## Auditors

Auditing a course is the privilege of being present in the classroom when space is available. No credit is involved, no examinations are required, and no grades are reported. Attendance, preparation, and participation in classroom discussion and activities are at the discretion of the department and the instructor. Online courses cannot be audited. Registration for audited courses begins the first day of classes for a given semester and ends on the last day of late registration.

## Visiting Auditors (Persons Not Requiring a Record of Enrollment)

A person not currently enrolled at UNC Greensboro who desires to audit a course and who does not require a record of enrollment should secure a Visiting Auditor form from the Office of Undergraduate Admissions. This can be found on our website at <https://admissions.uncg.edu/apply/> visiting (<https://admissions.uncg.edu/apply/visiting/>).

A Visiting Auditor may audit courses for a fee of \$125. If the Visiting Auditor is aged 65 years or older and is a resident of or lives in North Carolina, there is no fee for auditing a course.

Auditors must secure permission from the course instructor before submitting their completed form to the University Registrar's Office. Only courses approved by academic departments are open to auditors. Visiting auditors are permitted in lecture courses when space is available with the written approval of the department head or the instructor

teaching the course. Persons may register as visiting auditors beginning the first day of classes for any given semester.

## Criminal Background Checks

Pursuant to University of North Carolina system policy 700.5.1[R], UNC Greensboro will perform background checks on either (a) all applicants offered admission, or (b) all applicants offered admission who indicate their intent to attend, before the applicant may matriculate, as follows:

- The UNC Suspension and Expulsion Data Base
- The National Student Clearinghouse

UNC Greensboro (UNCG) will perform criminal background checks on applicants being considered for admission or already admitted if the application and supporting materials contain one or more of the following security triggers:

1. the application or supporting material contains inconsistent answers that have not been satisfactorily explained;
2. the applicant answers one or more of the four criminal background/discipline questions affirmatively or submits subsequent information indicating (1) pending criminal charges, (2) acceptance of responsibility for a crime, (3) criminal convictions or (4) school disciplinary action, unless the affirmative answer or supporting material relates to a school disciplinary action that resulted from an offense that is remote in time or was insubstantial;
3. the application omits one or more answers without an acceptable explanation;
4. any other reason sufficient to UNC Greensboro.

Students who give a positive response to one of the security triggers are required to submit a background investigation report by an approved third party vendor and a written letter of explanation describing the circumstances related to the positive responses. Admissions reviews this information, and in some cases, the file will move to the Dean of Students Office or to an internal university review committee for a final decision.

If a decision to deny admission is rendered, a student has the right to appeal.

## Domestic Applicants with International Credentials

U.S. citizens, lawful permanent residents (LPR), pending LPR (with approval notice), DACA, temporary protected status (TPS), political asylees, refugees, undocumented individuals, are considered domestic applicants and should apply through the Office of Undergraduate Admissions (<https://admissions.uncg.edu>).

Domestic applicants whose transcripts are from a non-U.S. institution must have a course-by-course evaluation conducted on all international secondary education (freshmen only) and/or any international college/university attended. Visit <http://www.naces.org> for the list of evaluation companies UNC Greensboro accepts or refer to a list of preferred providers at: [https://intladmissions.uncg.edu/international-credentials/](https://intladmissions.uncg.edu/international-credentials) (<https://intladmissions.uncg.edu/international-credentials/>).

The purpose of the credential evaluation report is to verify academic credentials and ensure course credit and U.S. grade equivalency are

completed accurately. This also eliminates the need to obtain official, translated transcripts to be sent to UNC Greensboro.

Applicants who have studied in the U.S. must request official transcripts be sent from each institution directly to the Office of Undergraduate Admissions.

In some instances, course descriptions and/or syllabi may be needed in order to determine course transferability from U.S. and non-U.S. institutions to UNC Greensboro. Course descriptions and/or syllabi must be in English and issued by the sending institution(s) to the Transfer Articulation Division of the University Registrar's Office.

## **English Language Proficiency**

UNC Greensboro Accepts the Following English Language Proficiency scores for direct entry into its Baccalaureate Programs:

- IBT TOEFL 79 [TOEFL iBT Special Home Edition (<https://www.ets.org/s/cv/toefl/at-home>) score report also accepted, same score]
- IELTS 6.5 [IELTS Indicator (<https://www.ieltsindicator.com>) also accepted, same band score]
- Duolingo English Test DET 105 (<https://englishtest.duolingo.com/applicants>)
- ELS 112 score report
- Kaplan International Higher Intermediate Level
- PTE Academic 53
- Cambridge C1 Advanced (<https://www.cambridgeenglish.org/exams-and-tests/advanced>)
- ISE II (B2) (<https://www.trinitycollege.com/qualifications/english-language/ISE>): Distinction in all 4 Skill Levels
- GTEC 1204 (Advanced or CBT Type)
- iTEP 3.8
- American Language Academy (ALA) (<https://ala.edu>) and ALA-Sky Campus Level 5 Certificate

The English Language Proficiency score is waived by one of the following:

- You are a graduate of a U.S. high school or academy.
- You are a graduate of an International School/Academy or IB school where the entire curriculum is taught entirely in English.
- An English Composition grade of C minimum from an accredited U.S. college/university.
- Obtained the highest level of English language training certificate from a qualified English Academic Program (US or non-US) – submitted for review and approval by the International Admissions Office.
- You have graduated from a school or are from: Australia, Canada (English curriculum only), Bahamas, Cayman Islands, Ireland, New Zealand, South Africa, United Kingdom.
- Achieved INTERLINK (<https://interlink.edu/uncg>) Level 6 (on campus) or INTERLINK Level 12 (online program).

## **Former UNC Greensboro Students**

Former students who wish to return to the University must apply to be readmitted and must meet prevailing admissions standards. This policy only applies to undergraduate degree-seeking students.

The following individuals must reapply for admission to UNC Greensboro by the posted deadline for the semester for which they wish to return:

- graduates of UNC Greensboro who wish to return in a new program of study
- former students who have not been enrolled for two or more consecutive terms (excluding summer)
- former students who have been suspended or dismissed for academic or disciplinary reasons

### **Students Returning from Academic Dismissal**

Former UNC Greensboro students who left on academic dismissal must also petition to return to the university by submitting a Return from Academic Dismissal Appeal (<https://studentsfirst.uncg.edu/academic-standing/academic-dismissal>). The admissions application for academically-dismissed students will be reviewed only after a decision has been rendered on the Return from Academic Dismissal Appeal. Formerly dismissed students who successfully petition to return are limited to a maximum registration of 16 semester hours if returning in a fall or spring semester, must enroll in ARS 140 (<https://studentsfirst.uncg.edu/academic-recovery/ars-140>), and must earn a 2.30 term GPA during their first semester upon return. Additional details regarding all parameters for returning from academic dismissal or suspension will be shared with students when their appeal is approved. Students returning from academic dismissal may not return during a summer term.

### **Students Returning from Academic Suspension**

Students returning from academic suspension are similarly limited to the registration parameters and term GPA mentioned above and will be automatically enrolled in ARS 120 (<https://studentsfirst.uncg.edu/academic-recovery/ars-120>) for their first semester back.

The Office of Undergraduate Admissions reserves the right to request additional information regarding an applicant's activities and responses to questions pursuant to University of North Carolina system policy 700.5.1[R]. If additional information cannot be collected, the application may be denied.

## **Freshmen**

For the purposes of admission, a freshman is defined as a first-time undergraduate who is a degree-seeking student with no prior post-secondary experience (after graduating high school). Summer is not considered a degree-seeking term. All students should hold a high school diploma or its equivalent.

## **Minimum Course Requirements**

Minimum Course Requirements. The following courses must be completed at the high school level or the summer following graduation, although courses may be completed at an earlier time (e.g., middle school).

**English: four course units emphasizing grammar, composition, and literature**

**Mathematics: four course units in any of the following combinations:**

- Algebra I, algebra II, geometry, and one unit beyond algebra II; or
- Algebra I, algebra II, and two units beyond algebra II; or
- Common core math I, II, and III, and one unit beyond common core math III; or
- Integrated math I, II, III, and one unit beyond integrated math III; or
- NC Math 1, 2, 3, and one unit beyond NC Math 3 identified as meeting the 4th level mathematics requirement for admission to UNC System institutions.

**Science: three course units, including:**

- Life or biological science (e.g., biology); and
- Physical science (e.g., chemistry, physical science, physics); and
- One laboratory course.

**Second Language: two course units of a language other than English**

**Social Studies: two course units, including one unit in U.S. history\***

\*An applicant who does not have the unit in U.S. history may be admitted on the condition that at least three credit hours in that subject be passed by the end of the sophomore (second) year at UNC Greensboro.

## Minimum Admissions Requirements

Prospective freshmen candidates for admission must meet UNC system minimum requirements, as follows:

1. A composite ACT score of 19 or combined SAT (mathematics and evidence-based reading and writing) of 1010 and/or
2. A minimum weighted high school GPA of 2.5

Additional requirements beyond acceptance into UNC Greensboro may be required for particular baccalaureate program majors.

## Chancellor Exceptions

Admissions criteria are uniformly applied, with a limited number of exceptions allowed by UNC System Policy. Specifically, a limited number (no more than 1% of the admitted class) of exceptions to the UNC first-year admissions requirements are made through a policy known as Chancellor Exceptions. The maximum number of chancellor's exceptions is limited to one percent of the total number of applicants accepted as first-time undergraduates each year. A chancellor's exception may be applied to the SAT/ACT minimum requirement or the high school GPA minimum requirement.

## Special Considerations for Students Missing Minimum Course Requirements (MCRs)

Per UNC System Policy, each campus shall establish policies describing the admission of students requiring special consideration with regard to MCRs. Such students would not otherwise be eligible for admission at the institution, and further evaluation of their records is necessary. Any student admitted under special consideration must show demonstrable promise for academic success at the institution.

Institutions may waive some minimum course requirements for applicants who have superior academic records in high school, as measured by grades, rank in class, test scores, or the rigor of courses

taken, or who demonstrate special talents. These applicants must have completed the eleventh grade and met virtually all of the minimum course requirements as well as the requirements for high school graduation.

Special Considerations for MCRs are reviewed by the Admissions Appeal Committee, which is a faculty-driven body designed to review, consider, and make recommendations on university admissions appeals for undergraduate students who are denied initial admission to the university. This committee consists of six or more faculty and reviews student cases to complete recommendations on admission.

## High School Visiting Students

UNC Greensboro will accept for enrollment in certain university courses high school juniors and seniors and who have the formal endorsement of and permission from a high school counselor and parent/guardian. Enrollment is limited to one course per semester. The cost per course for which university credit is given is the same as for other students taking fewer than nine hours. Credit earned before completion of high school may be applicable to a degree program at UNC Greensboro when the student has met all requirements for high school graduation and satisfied the requirements for admission as a freshman. Individuals wishing to enroll in university courses as indicated should proceed according to the policies of the high schools, and the high schools should contact the UNC Greensboro Office of Admissions for further information.

## Graduates of Cooperative Innovative High Schools (Early College)

Students graduating from a North Carolina Cooperative Innovative High School (CIHS) with an associate's degree will have the option of being evaluated for admission as a freshman or as a transfer student. The student will remain identified as a freshmen by student type for purposes such as housing.

UNC Greensboro will provide written information to the student regarding the different admission requirements that accompany each option and any other relevant information that may be helpful to the student when considering which option to select. The choice of freshman or transfer admissions consideration is only pursuant to admissions requirements.

## Graduates of North Carolina School of Science and Mathematics (NCSSM)

UNC Greensboro will offer freshman admission to any applicant attending the residential program at NCSSM. Such offer of admission shall be contingent upon the applicant:

1. Successfully completing all NCSSM graduation requirements and remaining enrolled and in good standing at NCSSM through the time of the student's graduation. For the purposes of this policy, "in good standing" shall mean with no pending disciplinary charges or pending academic violations that could lead to dismissal as of the date of graduation
2. Meeting Minimum Course Requirements and Minimum Admissions Requirements per UNC system policy
3. Completing all application requirements established by UNC Greensboro by standard deadlines
4. Satisfying the provisions of Criminal Background Check policy

## Academic Proficiency and Placement

Based on academic records or placement tests, incoming first-year students are assessed to determine their proficiency in the written use of English and their mathematical competency level. The objective is to place a student into courses that are commensurate with the student's level of competency; students then register for the course level in which they are placed.

All new students can determine language placement or language course exemption by the following means: Language Placement Test, the CLEP Test, or Certification of Proficiency.

## Immunization Clearance

Students who have been admitted to UNC Greensboro are required by North Carolina State law to submit appropriate verification of immunizations.

**Failure to comply with this requirement within thirty calendar days from the first day of registration may result in the student being administratively withdrawn from the university.**

Students subjected to an administrative withdrawal for failure to comply with medical clearance requirements are entitled to a refund, subject to the guidelines of the Refund Policy.

## Inter-Institutional Registration

Students taking courses through an inter-institutional agreement must meet the standards for participation in the program as set by their home institution and must follow the rules and policies of both campuses.

### Greater Greensboro Consortium and/or North Carolina Inter-Institutional Agreement

A student attending a college or university through the Greater Greensboro Consortium (Bennett College, Elon University, Greensboro College, Guilford College, High Point University, Guilford Technical Community College, and North Carolina Agricultural and Technical State University) or through the North Carolina Inter-Institutional Agreement (with Duke University, North Carolina Central University, North Carolina State University, the University of North Carolina at Chapel Hill, and the University of North Carolina at Charlotte) is not classified as a visiting student at UNC Greensboro and does not go through the admissions process for the fall or spring semesters.

Students wishing to register for courses at UNC Greensboro through the Greater Greensboro Consortium or the North Carolina Inter-Institutional Agreement should contact the registrar of their home institutions. For Summer Session, the Greater Greensboro Consortium is in effect only with North Carolina Agricultural and Technical State University.

UNC Greensboro students wishing to take courses at one of the consortium institutions should request a consortium form from the University Registrar's Office.

Students who wish to register for courses at UNC Greensboro and who are not enrolled at another UNC system school must answer campus safety questions, per UNC Policy 700.5.1[R]. Students may be required to submit to a criminal background check, based on their answers to the campus safety questions.

### Reserve Officers' Training Corps (ROTC) Cross-Registration

The United States Air Force and Army Reserve Officers' Training Corps programs are available to UNC Greensboro students at North Carolina

Agricultural and Technical State University (in Greensboro). As a member of the Greater Greensboro Consortium, UNC Greensboro offers students these opportunities for leadership training and a commission in the Army or Air Force through cross-registration.

The university will grant credit for ROTC courses taken at N.C. A&T. UNC Greensboro students will be awarded elective credit and quality points for ROTC courses completed at A&T through the Consortium.

## International Student Admissions

The University of North Carolina Greensboro welcomes qualified applicants from around the globe, appreciating the intellectual and cultural talents international students add to the UNC Greensboro campus. UNC Greensboro's mission is to be a magnet for international talent, a leader for international enrollment growth, and an authentically welcoming campus. UNC Greensboro advances international enrollment through ethical and responsible recruitment practices and provides service excellence from point of inquiry to admission review. The university celebrates diversity in meaningful ways and aims to be a catalyst for academic, personal, and professional success of admitted students.

Visit the International Admissions Website at <https://admissions.uncg.edu/admissions/international-admissions> (<https://admissions.uncg.edu/admissions/international-admissions/>)

### International Admissions

UNC Greensboro invites motivated, qualified applicants from around the world. The university is an ideal destination of choice for international students to pursue their academic and professional goals. The university fosters a welcoming, inclusive campus amidst an intellectual and culturally diverse student body. The campus appreciates the academic strengths and talents international students bring and provides a full range of student support services from the International Programs Center (IPC) to help them succeed. In addition to its challenging, high quality degree programs, the university is a friendly, safe, beautiful campus of 18,000 proud Spartans of which 700+ international students represent more than 90 countries.

### Definition of International Applicants

International applicants at UNC Greensboro are defined as those who currently hold, or are seeking a F1 visa or other non-immigrant visa category authorized under the USCIS to engage in full-time academic studies, or part-time academic studies, where applicable.

U.S. citizens, lawful permanent residents (LPR), pending LPR, DACA, political asylees, refugees, undocumented individuals, should apply as a domestic applicant through the UNC Greensboro online application, SpartanLink, located on the Office of Undergraduate Admissions website or through The Common Application.

### Applicant Categories

Freshman: A student enrolling directly after high school with no prior college/university coursework.

Freshman Transfer: A student who has less than 24 transferable credit hours from an accredited college/university.

Transfer Student: A student with at least 24 transferable credit hours from an accredited college/university.

**Second Degree-Seeking Student:** A student who has already earned a bachelor's degree from an accredited college/university and who is seeking a second bachelor's degree at UNC Greensboro.

## Application Procedure

All students may apply through one of the accepted UNC Greensboro application options.

International applicants are strongly encouraged to complete applications well before the application deadlines for allow for sufficient processing time and visa preparation through a U.S. Consulate office.

For consideration of admission, students must provide:\*

1. A completed application with all relevant documentation
2. The nonrefundable application fee
3. Demonstrated English language for academic purposes
4. Official secondary school transcripts, in English (for those with < 24 credit hours of college/university coursework)
5. Official transcripts from each college/university attended and a NACES® course-by-course evaluation report. View the Non-Academic U.S. Transcripts Section here for options and details: <https://admissions.uncg.edu/admissions/international-admissions/international-requirements>.
6. SAT or ACT: Optional
7. Freshmen: International students graduating from a U.S. high school are also required to meet Minimum Course Requirements as defined by the UNC system: <https://admissions.uncg.edu/apply/freshmen/hs-course-requirements>.

\*Some majors and programs may have additional admission requirements due to the competitiveness of the program and/or seat capacity so please take this into consideration when you apply to a particular program.

Test results should be sent directly from CollegeBoard or ACT.

UNC Greensboro Test Codes: TOEFL, SAT: 5913, ACT: 3166

## University Credit for International Examinations

UNC Greensboro grants university credit for IB exams and Cambridge Assessment AS/A Levels. Refer to the topic **How to Check if Courses Will Transfer** at <https://spartancentral.uncg.edu/registration-degree-planning/transfer-credit-information>.

## English Language Proficiency Requirement

UNC Greensboro Accepts the following English Language Proficiency scores for direct entry into its Baccalaureate Programs:

- IBT TOEFL 79 [TOEFL iBT® Special Home Edition (<https://www.ets.org/s/cv/toefl/at-home>) score report also accepted, same score]
- IELTS 6.5 [IELTS Indicator (<https://www.ieltsindicator.com>) also accepted, same band score]
- Duolingo English Test DET 105 (<https://englishtest.duolingo.com/applicants>)
- ELS 112 score report

- Kaplan International Higher Intermediate Level
- PTE Academic 53
- Cambridge C1 Advanced (<https://www.cambridgeenglish.org/exams-and-tests/advanced>)
- I ([https://www.trinitycollege.com/qualifications/english-language/ISE/ISE II \(B2\)](https://www.trinitycollege.com/qualifications/english-language/ISE/ISE%20II%20(B2))) (<https://www.trinitycollege.com/qualifications/english-language/ISE>): Distinction in all 4 Skill Levels
- GTEC 1204 (Advanced or CBT Type)
- iTEP 3.8
- American Language Academy® (ALA) (<https://ala.edu>) and ALA-Sky Campus® Level 5 Certificate

The English Language Proficiency score is waived by one of the following:

- You are a graduate of a U.S. high school or academy.
- You are a graduate of an International School/Academy or IB school where the entire curriculum is taught entirely in English.
- An English Composition grade of C minimum from an accredited U.S. college/university.
- Obtained the highest level of English language training certificate from a qualified English Academic Program (US or non-US) – submitted for review and approval by the International Admissions Office.
- You have graduated from a school or are from: Australia, Canada (English curriculum only), Bahamas, Cayman Islands, Ireland, New Zealand, South Africa, United Kingdom.
- Achieved INTERLINK (<https://interlink.edu/uncg>) Level 6 (on campus) or INTERLINK Level 12 (online program).

## Conditional or Provisional Admission

For students who are otherwise qualified for admission to UNC Greensboro, conditional admission is offered through INTERLINK Language Institutes for students who are otherwise qualified for admission to UNC Greensboro, and wish to undertake in-person intensive English instruction from within the United States, conditional admission is offered through the American Language Academy (ALA) located in Greensboro, NC. With successful passing of Level 6, students are then re-issued a direct entry offer of admission to UNC Greensboro. For complete program details, sessions, and cost, refer to: <https://ala.edu/american-language-academy-greensboro>.

On a case-by-case basis, students enrolled in the final English levels in-person at ALA or online in the INTERLINK virtual program may also take limited UNC Greensboro coursework concurrently with their intensive English courses. For complete program details, sessions, and cost for the virtual INTERLINK program, refer to: <https://interlink.edu/uncg>

UNC Greensboro may also offer provisional admission to students through other English as a Second Language (ESL) centers or U.S. community college partners.

### **Students with Non-U.S. Transcripts**

Students with non-U.S. transcripts for their current or prior college/university are required to submit a course-by-course evaluation report with the application. Freshmen with current or prior secondary education transcripts are also required to submit a course-by-course evaluation report, but for the following exceptions.

You do not need the report if you have any of the following: IB Diploma or IB Track, Standard XII Certificate or equivalent (India only), School Leaving Certificate & Mark Sheets for all exams (Nepal only), a GCSE/IGCSE Statement of Results, or a WASSCE/WAEC score report. All non-U.S. secondary education credentials, whether externally or in-house evaluated, must meet U.S. high school diploma equivalency.

The purpose of the course evaluation is to both verify non-U.S. academic credentials and equate foreign coursework to the U.S. grade point average (GPA) and course credit hour system. This also eliminates the need to obtain official, translated transcripts from your school(s) to be sent to UNC Greensboro.

The IRAO accepts academic evaluation reports from any of the NACES—National Association of Credential Evaluation Services (<https://www.naces.org/members/>) members or, the Association of International Credential Evaluators (AICE) endorsed member, Scholaro, Inc.

For information on exemptions from a course evaluation, please visit: <https://intladmissions.uncg.edu>.

The International Programs Center (IPC) (<https://international.uncg.edu>) is the primary resource for admitted and current international students regarding I-20 issuance, immigration guidance, student services, travel advice, connections to additional campus resources, and the international student orientation.

## **Residency**

The Residency Determination Service is the entity responsible for all undergraduate classifications of residency for tuition purposes in North Carolina. Residency classification for tuition purposes determines in-state or out-of-state status and may impact admission, tuition, scholarships, or financial aid eligibility.

A residency determination from RDS is required for undergraduates applying for admission, readmission, or transfer to any NC college or university, public or private, who wish to receive the benefits of in-state tuition and/or eligibility for state grants. Complete the RDS online interview process at <http://www.ncresidency.org>.

## **Second Baccalaureate Degree Students**

An applicant who holds a baccalaureate degree from a regionally accredited institution may earn an additional baccalaureate degree by the following means:

1. Completing a minimum of 31 additional credit hours for each subsequent degree at UNC Greensboro beyond the hours required for their first degree.

2. Satisfying upper division requirements in the major field as recommended and approved by the department and approved by the department chair granting the additional degree.

3. Completing other requirements or pertinent supporting courses as approved by appropriate department chairperson or dean.

An applicant seeking an additional baccalaureate degree must have a minimum of a 2.0 cumulative GPA on a 4.0 scale from their post-secondary work and be eligible to return to their most recent institution.

## **Summer Session**

Currently enrolled UNC Greensboro students who are continuing their studies at UNC Greensboro in the summer do not need to complete a separate application.

New or visiting students planning to attend Summer Session at UNC Greensboro must apply through the Office of Undergraduate Admissions.

## **Transfer Credit**

### **Transfer Articulation Services**

Located in the University Registrar's Office, this unit enters transfer credit course work into the student's official record. Also, in association with university faculty, this unit is responsible for determining how postsecondary-level courses and credits transfer to UNC Greensboro, applying admission-level transfer credit regulations, and enforcing the provisions of the North Carolina Comprehensive Articulation Agreement. Students with questions about transfer credit are encouraged to contact Transfer Articulation Services at [transfercredit@uncg.edu](mailto:transfercredit@uncg.edu).

## **Transfer Credit Policies and Limits**

### **Institutional Accreditation**

UNC Greensboro is accredited by the Southern Association of Colleges and Schools Commission on Colleges. The primary service area for the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) includes Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and Virginia. SACSCOC does accept applications from international institutions that can meet its accreditation standards. The accreditation standards of this Commission require member institutions to analyze credit accepted for transfer in terms of level, content, quality, comparability, and degree program relevance; therefore, course credit for undergraduate degree-seeking students that originates from other SACSCOC member institutions can be readily evaluated by Transfer Articulation Services.

These requirements are consistent with the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, Higher Learning Commission (HLC), Middle States Commission on Higher Education (MSCHE), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and WASC Senior College and University Commission (WSCUC). UNC Greensboro recognizes the accreditation standards of these agencies; course credit originating from any institution accredited by these agencies for undergraduate degree-seeking students can be readily evaluated by Transfer Articulation Services.

## Professional School Admissions

Admission to the university does not constitute selection into any of the professional schools.

## Minimum Transferable Grade

Transfer credit to be awarded is determined by the quality and quantity of the student's previous college work. Course work completed with a grade of C-, D+, D, or D- will not transfer. Transfer courses are evaluated on a course-by-course basis.

## Transfer Credit Limit

The sum total of transfer credit from two-year college(s), that may be applied toward an undergraduate degree may not exceed 64 credit hours.

## Repeated Courses

The university's Repeated Course Policy applies to transfer credit. In the case of duplicate transfer credit, only the first instance in which credit can be awarded will remain on the UNC Greensboro academic record.

## Programs and Articulation Agreements

### Comprehensive Articulation Agreement

The North Carolina General Assembly, the Board of Governors of the University of North Carolina, and the State Board of Community Colleges are committed to the simplification of transfer of credits for students and thus facilitating their educational progress as they pursue associate or baccalaureate degrees within and among public post-secondary institutions in North Carolina. The Comprehensive Articulation Agreement (CAA) is a statewide agreement governing the transfer of credits between NC community colleges and public universities in North Carolina, and has as its objective the smooth transfer of students, providing certain assurances to the transferring student by identifying community college courses that are appropriate for transfer as electives, and specifying courses that will satisfy pre-major and general education requirements.

The CAA establishes the procedures governing the transfer of credits for students who transfer from a North Carolina Community College to a constituent institution of the University of North Carolina. To be eligible for the transfer of credits under the CAA, the student must graduate from the community college with an Associate in Arts (AA) or Associate in Science (AS) degree and have an overall Grade Point Average (GPA) of at least 2.0 on a 4.0 scale and a grade of "C" or better in all CAA courses. Students who do not complete the degree are eligible to transfer credits on a course-by-course basis. Students officially enrolled in an AA or AS program at a North Carolina community college prior to Fall Semester 2014 are subject to the conditions and protections contained in the CAA in place at the time of their initial enrollment as long as they have remained continuously enrolled.

Community college graduates of the Associate in Arts or Associate in Science degree programs who have earned 60 credit hours in approved transfer courses with a grade of "C" or better will receive at least 60 credit hours of academic credit upon admission to UNC Greensboro. A student who completes the Associate in Arts or Associate in Science degree prior to transfer to UNC Greensboro will have fulfilled the university's lower-division general education requirements, but not intermediate-level general education requirements like the College of Arts and Sciences' foreign language requirement. Also, due to degree requirements in some majors, additional lower-division courses at UNC Greensboro may be required beyond the general education courses and pre-major courses taken at the community college.

## Reverse Transfer Program

This program awards an associate degree to students who previously attended a NC community college and earned at least 16 community college course credits. The student will earn their associate degree while completing courses for a baccalaureate degree at the four year institution. There is no cost to participate in the Reverse Transfer program. Students should contact their community college for fees related to printed diplomas and participating in graduation ceremonies.

Students who transfer to a North Carolina university from one of the 58 North Carolina community colleges are given the opportunity to combine the credits earned at the university with credit already earned at the community college to determine if the associate degree requirements have been met.

Students are responsible for opting in via UNCGenie, and the community college evaluates transcripts and awards associates degrees. The awarding of the associates degree will vary according to how many credits the student has earned.

Please see the official Frequently Asked Questions (FAQs) for eligibility and answers to all questions: <http://www.northcarolina.edu/reversetransfer> (<http://www.northcarolina.edu/reversetransfer/>).

Students who participate in North Carolina's Reverse Transfer Program and earn an Associate of Arts or Associate of Science will have fulfilled the university's lower-division general education requirements (Minerva's Academic Curriculum), but not intermediate-level general education requirements. Due to degree requirements in some majors, additional lower-division courses at UNC Greensboro may be required beyond the general education courses and pre-major courses taken at the community college.

## 2Plus Programs

The 2Plus program is for those North Carolina community college graduates who hold a specific Associate in Applied Science (A.A.S.) or Associate Degree in Nursing (A.D.N.) degree and desire to transfer into UNC Greensboro with advanced standing, pursuing a specific UNC Greensboro major. Articulation notices are sent to North Carolina community colleges listing the 2Plus admission requirements. Specific details of each notice may be obtained from the UNC Greensboro Office of Undergraduate Admissions.

2Plus Articulation students are transfer students with several unique requirements and procedures. Details governing their enrollment are provided for in the articulation notices. The decision for admission is based on successful completion of the A.A.S./A.D.N. Degree and other specific factors outlined in the 2Plus articulation notice. Students admitted under the 2Plus agreement must notify the Office of Undergraduate Admissions to change their major. A change in major may result in a change in the student's transfer credit evaluation.

No combination of 2Plus and community college transfer credit may exceed 64 credit hours.

More details about 2Plus admission requirements are available at the 2Plus website: <https://spartancentral.uncg.edu/registration-degree-planning/transfer-credit-information/2plus-equivalencies> (<https://spartancentral.uncg.edu/registration-degree-planning/transfer-credit-information/2plus-equivalencies/>).

## RN to BSN Articulation Agreement

This uniform, statewide academic progression agreement promotes education advancement opportunities for registered nurses moving

between North Carolina community colleges and UNC Greensboro in order to complete BSN degrees. Specific details of the notice may be obtained from the UNC Greensboro Office of Undergraduate Admissions or the School of Nursing which include general education and nursing prerequisite courses. Students who follow the progression degree plan will meet entrance requirements to UNC Greensboro's RN to BSN programs.

#### **Eligibility for the Uniform Articulation Agreement**

A potential student must:

- enter a NC Community College Nursing program on or after Fall Semester, 2015.
- earn an Associate Degree in Nursing at a NC Community College with a GPA of at least 2.0.
- earn a grade of C or better in all courses included in the first three blocks of the progression plan.
- be licensed as an RN prior to applying to the RN to BSN program.

For more details of the agreement's progression plan, please reference the UNC Greensboro School of Nursing website: [http://nursing.uncg.edu/undergraduate/rnbsn/](http://nursing.uncg.edu/undergraduate/rnbsn).

#### **NC School of Science and Math Articulation Agreement**

In addition to examination programs, UNC Greensboro has an established articulation agreement with North Carolina School of Science and Mathematics (NCSSM) since 2010. NCSSM is the only secondary school in the UNC System. Students will be granted credit based on the course equivalencies and related requirements listed below. Students will be granted credit only, grades earned at NCSSM are not factored into a UNC Greensboro's student grade point average.

It is required that students earn a grade of B or higher in all the NCSSM courses listed below, grades of B- or lower are not acceptable. Moreover, most NCSSM courses listed are part of a sequential program. A grade of a B or higher must be earned in all courses within the sequence to receive transfer credit.

NCCSM Course	Hours Granted	Courses
BI 434: AP Biology (I), BI 436: AP Biology (II), BI 438: AP Biology (III)	8	BIO 111, BIO 112
CH 401: AP Chemistry (I), CH 402: AP Chemistry (II)	8	CHE 111, CHE 112, CHE 114, CHE 115
CH 405: AP Chemistry (Adv I), CH 406: AP Chemistry (Adv II)	8	CHE 111, CHE 112, CHE 114, CHE 115
CSC 402: AP Computer Sci A (I), CSC 404: AP Computer Sci A (II)	3	CSC 130
CSC 406: AP Computer Sci A (III), CSC 410: Data Structures I	3	CSC 230
MA 404: AP Statistics (I), MA 406: AP Statistics (II), MA 408: AP Statistics (III)	3	STA 271

MA 416: AP Calculus AB, MA 426: AP Calculus BC	6	MAT 191, MAT 292
MA 420: AP Calculus BC (I), MA 422: AP Calculus BC (II), MA 424: AP Calculus BC (III)	6	MAT 191, MAT 292
MA 440: AP Statistics (Adv Topics I), MA 442: AP Statistics (Adv Topics II), MA 444: AP Statistics (AdvTopics III)	3	STA 290
MA 480: Vector Funct/ Partial Derivs, MA 482: Multiple Intgrls/Vector Flds	3	MAT 394
PH 404: AP Physics C – Mechanics (I), PH 406: AP Physics C – Mechanics (II) / Elect/ Magnetism (I), PH 408: AP Physics C – Elect/ Magnetism (II)	8	PHY 291, PHY 292

#### **Secondary School Course Credit and Advanced Placement**

Transfer credit or exemption from specific degree requirements may be earned by meeting university established minimum scores in recognized examination programs such as AP or IB. Students should contact their secondary school counselors regarding dates and local test centers.

#### **Cambridge International Examinations**

Cambridge International A and AS Level course credit (and/or higher placement) may be awarded after evaluations of documentation. Please contact Transfer Articulation Services for further information.

#### **CLEP - College Board Advanced Placement (AP) Program**

Secondary school students enrolled in AP courses may receive college credit by taking AP examinations upon completion of the courses. Official score reports should be submitted with the application. AP exam scores reported on other transcripts will not be evaluated for transfer credit. Please visit the College Board's AP Score Reporting Services website to order scores to be sent to UNC Greensboro: <https://apstudents.collegeboard.org/sending-scores> (<https://apstudents.collegeboard.org/sending-scores/>).

Please refer to the following website for a complete list of transfer credit awarded at UNC Greensboro for Advanced Placement exams: <https://spartancentral.uncg.edu/registration-degree-planning/placement-tests> (<https://spartancentral.uncg.edu/registration-degree-planning/placement-tests/>).

#### **College Board SAT: Writing Exam**

Exemption from ENG 101 will be based on a score of 650 or above on the SAT Writing Exam. Questions about these exemptions appearing on a student's degree evaluation should be directed to the Students First Office.

## DSST

The DSST Credit-by-Exam program offers students the opportunity to use their knowledge acquired outside of the classroom (perhaps from reading, on-the-job training, or independent study) to accomplish their educational goals. While the exams are funded for active-duty military, DSST exams are not just for those in the military. Adult learners, homeschooled students, and military veterans are also eligible to earn college credits through DSST. Students can visit their website to review offered exams, test preparation, and locate a test center: <http://www.getcollegecredit.com>.

## International Baccalaureate (IB) Program

Secondary school students enrolled in International Baccalaureate courses may receive college credit by taking IB examinations. Official score reports should be submitted with the application. IB exam scores reported on other transcripts will not be evaluated for transfer credit. Students should request that their test scores be sent to UNC Greensboro. Please visit the International Baccalaureate website for steps to order scores be sent to UNC Greensboro: [http://www.ibo.org/programmes/diploma-programme/assessment-and-exams/requesting-transcripts/](http://www.ibo.org/programmes/diploma-programme/assessment-and-exams/requesting-transcripts).

Please refer to the following website for a complete list of transfer credit awarded at UNC Greensboro for IB exams: <https://spartancentral.uncg.edu/registration-degree-planning/placement-tests> (<https://spartancentral.uncg.edu/registration-degree-planning/placement-tests/>).

## Credit For Military Training And Prior Learning Assessment

### Military Course Credit

Elective credit for military training may be awarded where UNC Greensboro has comparable courses and upon receipt of an official transcript from the Community College of the Air Force or a Joint Services Transcript.

## Transfer Students

A transfer student is defined as an undergraduate who has attended another postsecondary institution after graduating from high school.

### Requirements and Procedures

It is required that applicants that have attended another college/university (including 2-year, 4-year, and/or junior colleges) submit an application for admission, all official transcripts for institutions of higher learning attended, and other needed documentation to the Office of Undergraduate Admissions.

To qualify for admission, applicants with at least 24 transferable hours must have a cumulative GPA of at least 2.0 on a 4.0 scale from all post-secondary coursework.

For purposes of undergraduate admission, transfer applicants who have earned at least 24 transferable undergraduate credits from one or more regionally accredited, post-secondary institutions shall not be required to meet Minimum Admissions Requirements (MAR) and Minimum Course Requirements (MCR).

1. Transferable undergraduate credit counted as part of these 24 hours shall include:

- a. Credit earned at foreign institutions deemed to have the equivalence of regional accreditation; equivalence of regional accreditation generally refers to recognition by the foreign country's Ministry of Education and/or recognition by a NACES-accredited organization offering credential evaluation services; and
- b. Credit awarded for prior learning as part of military service, with the military branch designated as the transfer institution
- c. Undergraduate credits awarded for AP, IB, or other credit by exam shall not be included as part of these 24 hours. However, students are encouraged to submit official scores directly from the testing agency for credit evaluation.
- d. Applicants under the age of 21 with fewer than 24 hours of transferable undergraduate credit earned in a post-secondary institution will be evaluated based on first-year (freshman) MAR and MCR.
- e. Transfer applicants who are 21 years of age or older and who have less than 24 transferable hours may be evaluated based on their post-secondary performance and/or high school performance.

Transfer applicants who are 21 years of age or older, have a cumulative post-secondary GPA below a 2.0, are academically eligible to return to their prior institution, and have a 24-month break in their educational studies may be considered as non-traditional adult learners and may be admissible based upon an interview process and approval by the Director of Admissions.

### Comprehensive Articulation Agreement (CAA)

Students who have completed an Associate Degree of Arts (AA) or Associate Degree of Science (AS) at a North Carolina community college with at least a 2.0 on a 4.0 scale will be admitted per State of NC's Comprehensive Articulation Agreement (CAA). Students who have met the CAA are considered to have met the general education requirements at UNC Greensboro. Students are still responsible for meeting any prerequisite course requirements required by academic major programs.

UNC Greensboro will transfer no more than 64 credit hours (96 quarter-hours) earned at two-year institutions. Courses for which there is no equivalent course will transfer as elective credit.

## Veterans

For purposes of undergraduate admission to UNC Greensboro, any individual having completed a minimum of three years of cumulative active duty service in the United States Armed Forces shall be exempt from minimum admissions requirements (MAR) and minimum course requirements (MCR), although they may be considered first-time undergraduates (freshmen) for reporting and/or receipt of services.

Applicants under the age of 21 shall be required to submit a high school transcript or GED, college transcript(s) (if applicable), and a relevant military transcript for evaluation. The branch of service reporting the source of transferred credit hours earned through military training will function as the applicant's institution of transfer. If discharged from active duty, the veteran must have received an Administrative (non-punitive) Discharge. This policy shall not apply to veterans receiving a "Bad Conduct or Dishonorable Discharge."

When enrolling at UNC Greensboro, the veteran should present a Certificate of Eligibility to the Military-Affiliated Services office requesting that certification of enrollment be sent to the VA. This Certification of Enrollment is necessary before educational benefits can be received. Certification of Enrollment must be requested for each academic semester including summer sessions.

## Visiting Students

### Visiting Students

A Visiting Student is defined as a student currently attending a home institution other than UNC Greensboro but who seeks to take a course or courses at UNC Greensboro.

- Applicants from other colleges or universities must obtain prior approval from their current institution to take courses at UNC Greensboro.
- High school students must provide appropriate permission from the high school counselor and parent/guardian.

The university assumes no responsibility for determining the student's course selection when the credits are to be transferred elsewhere. Enrollment by permission from another institution does not obligate the university to continue the student's enrollment at UNC Greensboro after the expiration of the permission period. Visiting students are limited to 21 cumulative credit hours.

### Non-Degree/Special Students

Non-Degree or Special students are students who wish to take courses for the purpose of broadening their cultural interest or purely for their own edification; students taking courses in preparation for application to a program but who are not seeking degree completion with UNC Greensboro; or graduates of four-year institutions seeking certification. Interested individuals should:

1. Submit an application for admission with the non-refundable application fee.
2. Submit proof of high school graduation.

In order to take a course that requires a prerequisite, appropriate transcripts showing successful completion of the prerequisite should be submitted to the Department of Admissions (unofficial or official are both acceptable).

Students admitted as non-degree seeking/special students are not eligible to receive any federal or university financial aid. Visiting or non-degree students may apply for degree-seeking admission, submitting an application, fee, and all official transcripts. Courses taken at UNC Greensboro will be used in the admission review. Special students not seeking certification may enroll in and accumulate no more than 21 credit hours. Credits earned while enrolled as a special student will not count toward graduation until all university admissions requirements have been met.

# Graduate Admissions

## Graduate Admissions and Matriculation

All degree, certificate, or non-degree-seeking students must submit a nonrefundable application fee to the University before the application is processed. Visit UNC Greensboro's Guide to Graduate Admissions (<https://grs.uncg.edu/prospective/guide/>) for any additional requirements. Note that some programs may specify additional material (e.g. portfolio, auditions, test scores).

### Overview

Admission into a UNCG graduate degree or certificate program is a process shared by the Graduate School and the graduate program. To be considered for graduate admission, applicants must meet the requirements of the Graduate School and of the graduate program.

Faculty in the graduate programs recommend students for admission to the Graduate School after they have assessed each prospective graduate student's potential. Programs have significant discretion in determining admission standards and class size based on factors such as availability of academic mentors, financial support, laboratory space, and student distribution within interest areas.

Neither an academic record exceeding minimum requirements, nor satisfactory scores on standardized tests, nor professional expertise alone will assure an applicant's admission in this competitive environment. Rather, the overall record must indicate the strong likelihood that a prospective student will complete graduate study successfully.

Each application to the Graduate School will result in one admission decision. Offers of admission are not official until approved by the Dean of the Graduate School. Official admission decisions are communicated to applicants by email from the Dean of the Graduate School. Prospective students can view the status of the admission application online at the application portal. Click "Manage Your Account" and then "View All Forms."

UNCG has staff who are charged with international recruitment. Additionally, UNCG uses independent contractors in the recruitment of international students. Agreements between Independent Recruiting Agencies and UNC Greensboro include a statement under the Contractor Responsibilities section that the Contractor shall "Recruit students with requisite academic qualifications who meet or exceed the university's admission requirements." UNCG provides those requirements in written materials, such as the UNCG Catalog, and in training sessions conducted by the International Programs Center. The Graduate School Office of Admission has no direct contact with independent recruiting agencies. Students recruited by any means are shown no favoritism in the admissions process. This information is withheld from programs as they evaluate applicants. The only reason this information is collected is to analyze the efficacy of recruitment efforts.

Successful applicants are offered admission for a specific program in a specific term.

### Minimum Requirements for All Applicants

- Applicants must submit a completed online application.
- \$65 nonrefundable application processing fee.
- Applicants whose native language is not English must demonstrate English proficiency (See English Language Proficiency).

- Per UNC Policy 700.5.1[R], the UNC system requires all applicants to answer questions regarding community standards/campus safety questions. Applicants may be required to submit to a criminal background check, based on their answers to the community standards/campus safety questions.

- Completion of a bachelor's degree and a graduate degree (if required by the program) from a U.S. college or university accredited by a regional accrediting association or completion of a bachelor's and a graduate degree (if required by the program) that is equivalent to a U.S. degree from an international college or university recognized and approved by the Ministry of Education or Commission responsible for higher education in the country where the degree is earned.

If degree is in progress:

- For U.S. degree, one transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) is in progress.
- For international degree, a course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of in progress status of U.S. equivalency of a bachelor's and a graduate degree (only if required by the program), credit hours, expected degree, and current GPA. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree.

If degree(s) have been awarded:

- For U.S. degree(s), one transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) was earned
- For international degree(s), a course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of earned U.S. equivalency bachelor's degree and a graduate degree (only if required by the program), credit hours, and GPA. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree.
  - Exception - A credential evaluation is not required for the international undergraduate degree program if the applicant earned or is in the process of earning an advanced degree from an accredited U.S. institution. The final official transcript showing the awarded international degree is still required.

*The Graduate School reserves the right to verify the accuracy and authenticity of the educational documents submitted.*

### Disposition of Application Materials

Credentials or supporting materials submitted for admission to the Graduate School become the property of the University and are not returned. No copies will be provided to third parties outside the University except when compelled by legal authority. Copies will, however, be provided to appropriate offices at the University in the interest of academic matters or financial awards relative to the applicant. Applications and supporting documents are retained according to the retention policies of the state of North Carolina.

## Admission Decision

Admission into a UNCG graduate degree or certificate program is a process shared by the Graduate School and the graduate program. To be considered for graduate admission, applicants must meet the requirements of the Graduate School and of the graduate program.

Faculty in the graduate programs recommend students for admission to the Graduate School after they have assessed each prospective graduate student's potential. Programs have significant discretion in determining admission standards and class size based on factors such as availability of academic mentors, financial support, laboratory space, and student distribution within interest areas.

Neither an academic record exceeding minimum requirements, nor satisfactory scores on standardized tests, nor professional expertise alone will assure an applicant's admission in this competitive environment. Rather, the overall record must indicate the strong likelihood that a prospective student will complete graduate study successfully.

Each application to the Graduate School will result in one, final admission decision. Offers of admission are not official until approved by the Dean of the Graduate School. Official admission decisions are communicated to applicants by email from the Dean of the Graduate School. If the admitted applicant does not register for the term specified in the admission letter, the admission may be subject to cancellation.

## Enrollment Requirements

Students' continued enrollment at UNC Greensboro is contingent upon completion of the following items.

- If a degree was in progress at the time of submitting the application:
  - One, final official transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) was earned in the U.S. This transcript must be issued by the registrar's office showing the degree awarded, earned credit hours, GPA, and no courses in progress. If not received before the first week of classes, courses will be dropped and a registration hold will be placed.
  - For international degree(s), an official course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of earned U.S. equivalency bachelor's degree and a graduate degree (only if required by the program), credit hours, and GPA. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree. This evaluation must include degree awarded (verified) equivalency with no courses in progress. If not received before the first week of classes, courses will be dropped and a registration hold will be placed.
- If degree(s) had been awarded at time of application:
  - One final official transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) were earned in the U.S. This transcript must be issued by the registrar's office showing the degree awarded, earned credit hours, GPA, and no courses in progress and must be received before being allowed to register for the second semester.
  - For international degree(s), an official course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of earned U.S. equivalency bachelor's degree and a graduate degree (only if required by the program), credit hours, and GPA. Programs may

substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree. This evaluation must include degree awarded (verified) equivalency with no courses in progress and must be received before being allowed to register for the second semester.

## English Proficiency

UNCG accepts the following methods of demonstrating English proficiency:

- Test Scores
  - iBT TOEFL 79, TOEFL iBT Special Home Edition 79, and TOEFL Essentials Score 9. Use Code 5913.
  - IELTS 6.5 Band Score (select University of North Carolina Greensboro Graduate Admissions)
  - Duolingo English Test DET 110 (<https://englishtest.duolingo.com/applicants/>)
  - ELS 112
  - Kaplan English Advanced Level
  - PTE Academic 67

\*\*ELPs must not be more than 2 years old from the date of application submission.

- English Language Proficiency may also be demonstrated by successful completion of INTERLINK Level 6 (<https://interlink.edu/uncg/>).
- An applicant whose native language is not English is considered English Proficient under the following circumstances:
  - The applicant is from a country where English is recognized as the primary, official language.
  - The applicant is or will be a graduate of a degree or certificate program from a U.S. regionally accredited university.
  - The applicant is or will be a graduate of a non-U.S. college/university where English is the primary language of instruction.

## I-20 and DS 2019 Issuance

For I-20 and DS 2019 issuance, as required by USCIS, international applicants must show evidence of sufficient funds, for a minimum of one year, to support one's education and living expenses while at UNCG. Financial forms may be downloaded from within the graduate application or on The International Programs Center (IPC) webpage at: <https://international.uncg.edu/international-students-and-scholars/obtaining-or-renewing-your-visa/>.

## Transcripts

Departments/programs may require additional transcripts.

## Pursuing Multiple Degree Programs

Students are prohibited from pursuing multiple degree programs at the same time.

## Deferral of Admission

Graduate admission to a degree or certificate program may be deferred for a maximum of one year from the initial term of admission. The student is responsible for contacting the department to determine if admission for subsequent terms is allowed.

To request a deferral of admission, admitted students must submit a completed Deferral of Admission Form, found within the online application, to the admitting department's Graduate Program Director

no later than the first day of classes of the term of initial admission. The deferral request must be for a specific entry term. The entry term must also be for a term the program has listed as an offered admit term.

After considering the request, the department will forward the form to the Graduate School, who will notify the student of the decision. Merit-based financial aid, i.e. teaching/research assistantships, scholarships, and fellowships will not be deferred; the student must compete again for the awards.

Students who have not enrolled and have not requested a deferral of admission will be required to reapply.

Military-affiliated students should contact the Graduate School for individual assistance with extended deferrals.

### **Non-credential-seeking (Visiting) Students**

Non-degree students who wish to take graduate-level courses (courses numbered 500 – 749<sup>\*</sup>) must have earned a baccalaureate degree from an accredited college or university and must apply through the Graduate School. The Graduate School does not admit an individual as a non-degree student (as if they were in a program). Instead, approved non-degree students will receive notice from the Graduate School that they may register for classes. Visiting students are restricted from registering for any course that is not on a program's list of approved courses.

Non-degree students who wish to take undergraduate-level courses (courses numbered 100-499) must apply through undergraduate admissions, even if they have previously earned an undergraduate degree.

Non-degree seeking students must submit a new application for each semester in which they wish to enroll. A non-refundable fee is charged each time a non-degree seeking application is submitted. An undergraduate transcript(s) from the degree-granting institution is required with the initial application. The transcript is kept on file for any subsequent applications and will only need to be submitted once.

Non-degree students who are permitted to enroll for graduate courses may take courses numbered 500 –749 that have not been restricted by the departments (see Non-degree Seeking Applicants (<https://grs.uncg.edu/prospective/visitingapplicants/>). With the instructor's approval, non-degree seeking students may submit a written petition to the Graduate Program Director or the Department Head to enroll in a restricted course; however, independent study is reserved for only degree seeking students.

To pursue a degree at any time, a non-degree student must formally apply for admission to the Graduate School. If the student meets all Graduate School and program standards and is granted admission, a maximum of nine (9) credits earned while in non-degree status may be applied to an academic degree program; three (3) credits may be applied towards a certificate program. Credit earned must fall within the timeline for completing the degree or certificate.

Non-degree seeking students are not eligible for financial aid.

\* Visiting students are not permitted to enroll in courses numbered 750 or higher.

### **Public School Personnel**

Public school teachers and administrators who wish to take courses solely for licensure renewal credit may do so as non-degree seeking

students. Students who meet all requirements for admission as a graduate degree student will also receive the licensure renewal credit.

If credit is to be applied to a graduate degree, the student must submit an application to the Graduate School before the completion of the course.

### **Readmission and Catalog Policy**

The *University Catalog* is the publication that documents all academic policies, regulations, and program requirements for a given academic year for all students and programs.

A student's catalog year identifies the set of curriculum requirements and regulations for program completion. The catalog year is established for the individual student upon declaration or change of the program.

A student may change a catalog year without a change of program or minor only to a more recent catalog. The student may request this change formally through their department.

Any student who has been inactivated must reapply for admission to the University. If admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

### **Readmission after Academic Dismissal**

A student who is dismissed for academic reasons will be eligible to submit a new application after two semesters or the equivalent and may be admitted only upon the recommendation of the major department head or Graduate Program Director and with the approval of the Dean of the Graduate School. While on academic dismissal, students are not eligible to take courses as a non-degree seeking student.

### **Accelerated Master's Programs**

An Accelerated Master's Program (AMP) allows a student to begin accumulating credits towards completion of a UNCG master's degree while still enrolled as an undergraduate. Successful undergraduate applicants are given an early decision on their graduate application pending successful completion of the baccalaureate degree. These graduate-level courses will count towards both the baccalaureate degree and the graduate degree; the grades will be recorded on both transcripts.

Undergraduate students may apply for admission to the AMP after the completion of 60 credit hours with at least 30 of these credits at UNCG. Minimal criteria for admission to any AMP will include a UNCG cumulative undergraduate GPA of at least 3.5.

The student must apply for admission to the AMP through the Graduate School. To ensure a timely decision and access to course enrollment, students must apply for admission to an Accelerated Master's Program by **July 1** for Fall AMP course enrollment, **November 15** for Spring enrollment, and **April 1** for Summer enrollment.

International students who are admitted into an Accelerated Master's Program should work with the Graduate School and the International Programs Center to apply for a visa extension.

A student enrolled in an AMP program is prohibited from Dual Bachelor's-Master's Registration.

All AMP students are considered to be undergraduate students until the conferral of the baccalaureate degree, which requires an application to graduate from the baccalaureate program. No more than 12 graduate-level credit hours taken as an undergraduate may be applied toward both the undergraduate degree and the graduate degree. To be able to apply

these credits towards the graduate degree, students must achieve grades of B or higher in the AMP courses.

### **Dual Bachelor's-Master's Registration**

Students who do not wish to enroll in a UNCG graduate program may register for graduate-level courses if they have no more than twelve (12) credit hours remaining to fulfill the requirements of their bachelor's degree program. Students must apply for admission to a graduate program before requests for dual registration can be approved, but they do not have to be formally admitted until the end of the semester in which credit is earned. For dual registration status, the approvals of the Graduate School, the University Registrar's Office, the Graduate Program Director in the appropriate graduate program(s), and the student's undergraduate major adviser are required.

Total graduate credit obtained in this dual status may not exceed 12 credits. Graduate courses are not applied to the undergraduate degree.

A student enrolled in Dual Bachelor's Master's Registration may not be concurrently enrolled in an AMP program.

### **Faculty as Students**

Faculty at UNCG may not pursue a graduate degree or certificate in their home department or degree-offering unit. For exceptions, the unit dean may petition the Dean of the Graduate School.

## **TUITION AND FEES**

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Tuition and Fee information is available via the Cashiers and Student Accounts Office at <https://csh.uncg.edu> (<https://csh.uncg.edu/>).

# ACADEMIC REGULATIONS, REQUIREMENTS, AND POLICIES

- Academic Program Terminology (p. 802)
- Graduate Policies (p. 807)
- Undergraduate Policies (p. 836)
- Undergraduate Requirements (p. 848)
- University Policies (p. 850)

## Academic Regulations and Policy Index

### A

- Academic Integrity Policy (p. 850)
- Academic Program Terminology (p. 802)
- Academic Renewal (p. 841)
- Academic Requirements and Limits for Undergraduates (p. 836)
- Academic Standing at UNC Greensboro (p. 836)
- Auditing Courses (p. 850)

### C

- Chancellor's List (p. 841)
- Class Attendance (p. 850)
- Classification of Students (p. 838)
- Copyright Compliance Policy (p. 851)
- Course Credit Regulations and Limits (p. 838)
- Course Prefixes (p. 802)
- Course Selection (p. 839)
- Course Type Abbreviations with Instructional Delivery Method (p. 803)
- Course Withdrawal Policy (p. 840)
- Credit Hours (p. 841)

### D

- Dean's List (p. 841)
- Discriminatory Conduct Policy (p. 851)
- Drug and Alcohol Policy and Operational Procedures (p. 852)
- Dual Registration as Undergraduate and Graduate (p. 852)

### F

- Final Course Examinations (p. 841)

### G

- General Education Program (p. 848)
- Grade Points and Grade Point Averages (GPA) (p. 841)
- Grade Replacement Policy (p. 842)
- Grade Reports (p. 842)
- Grades (p. 842)
- Grading (p. 840)

- Graduate Policies (p. 807)
- Guide To Course Descriptions (p. 803)

### H

- Honors for Second Degree Recipients and Transfer Students (p. 844)

### I

- Immunization Clearance (p. 852)
- Incomplete Grades (p. 843)

### M

- Major Description and Program Requirements and Courses Explanation (p. 805)
- Majors, Minors, Double Majors and Simultaneous Degrees Policy (p. 844)

### O

- Online Sections and Online Programs Policy (p. 852)

### R

- Retroactive Grade Change (p. 843)

### S

- Sexual Harassment (Title IX Policy) (p. 852)
- Steps to Graduation (p. 845)
- Student Catalog Year Policy (p. 852)
- Student Code of Conduct (p. 853)
- Student Learning Outcomes Assessments (p. 849)

### U

- Undergraduate Degrees and Degree Requirements (p. 849)
- Undergraduate Final Grade Appeal Policy (p. 844)
- Undergraduate Policies (p. 836)
- Undergraduate Requirements (p. 848)
- University Directory Information (p. 853)
- University Policies (p. 850)

### W

- Withdrawal for Students Called to Active Military Duty (p. 853)
- Withdrawal from the University (p. 846)

# Academic Program Terminology

- Course Prefixes (p. 802)
- Course Type Abbreviations with Instructional Delivery Method (p. 803)
- Guide To Course Descriptions (p. 803)
- Major Description and Program Requirements and Courses Explanation (p. 805)

## Course Prefixes

Listed below are the current graduate and undergraduate course prefixes.

AAD - Arts Administration	HHS - School of Health and Human Sciences
ACC - Accounting	HIS - History
ADS - African American and African Diaspora Studies	HSS - Honors Programs
APD - Apparel Product Design	HTM - Hospitality and Tourism Management
ARB - Arabic	IAA - Advanced Data Analytics
ARC - Archaeology	IAB - Bioinformatics
ARE - Art Education	IAC - Computational Analytics
ARH - Art History	IAF - Informatics and Analytics Foundations
ARS - Academic Recovery Seminar	IAG - Geospatial Analytics
ART - Studio Art	IAL - Cultural Analytics
ASL - American Sign Language	IAR - Interior Architecture
AST - Astronomy	IGS - International and Global Studies
ATY - Anthropology	ISL - Integrated Studies Lab
BIO - Biology	ISM - Information Systems and Operations Management
BLS - Humanities	IST - Information Science
BUS - Business Administration	ITA - Italian
CCI - Classical Civilization	JNS - Japanese Studies
CED - Counseling and Educational Development	KIN - Kinesiology
CHE - Chemistry and Biochemistry	KOR - Korean
CHI - Chinese	LAT - Latin
CNS - Consortium	LIB - University Libraries
CRS - Consumer, Apparel, and Retail Studies	LIS - Library and Information Science
CSC - Computer Science	LLC - Languages, Literatures, and Cultures
CSD - Communication Sciences and Disorders	MAS - Master of Applied Arts and Sciences
CST - Communication Studies	MAT - Mathematics
CTP - Comprehensive Transition and Postsecondary Education	MBA - Master of Business Administration
CTR - Community and Therapeutic Recreation	MCP - Middle College
DCE - Dance	MGT - Management
ECO - Economics	MKT - Marketing
ELC - Educational Leadership and Cultural Foundations	MSC - Military Science
ENG - English	MST - Media Studies
ENS - Ensemble	MUE - Music Education
ENT - Entrepreneurship	MUP - Music Performance
ERM - Educational Research Methodology	MUS - Music
FFL - Foundations for Learning	NAN - Nanoscience
FIN - Finance	NTR - Nutrition
FMS - Freshman Seminars	NUR - Nursing
FRE - French	ONC - Online NC Interinstitutional
FYE - First Year Experience	PCS - Peace and Conflict Studies
GEN - Genetic Counseling	PHI - Philosophy
GER - German	PHY - Physics
GES - Geography, Environment, and Sustainability	PSC - Political Science
GRC - Grogan College	PSY - Psychology
GRK - Greek	RCO - Residential College
GRO - Gerontology	RCS - Retailing and Consumer Studies
HDF - Human Development and Family Studies	REL - Religious Studies
HEA - Public Health	RUS - Russian
HED - Higher Education	SCM - Supply Chain Management
	SES - Specialized Education Services
	SOC - Sociology
	SPA - Spanish
	SSC - Social Sciences
	STA - Statistics
	STR - Strong College
	SWK - Social Work
	TED - Teacher Education
	THR - Theatre
	UNCX - UNC Exchange
	VPA - Visual and Performing Arts
	WCV - Western Civilization
	WGS - Women's and Gender Studies

# Course Type Abbreviations with Instructional Delivery Method

## **Code—Title (Organized/Individual)**

Description

## **ACT—Physical Activity (IS)**

A course requiring students to participate in physical training, physical conditioning, or other physical exercise activities, sports, or games.

## **ADN—Administrative (IS)**

For administrative use only. Placeholder or other administrative courses used to generate registration activity for a student for billing or other administrative purposes.

## **CBE—Competency Based (IS)**

A course requiring students to demonstrate specific knowledge and skills aligned with clearly defined programmatic outcomes. Courses are typically self-paced and part of a designated competency-based education (CBE) program.

## **CLN—Clinical (IS)**

A course requiring medical- or healthcare-focused experiential work where students test, observe, experiment, or practice a field or discipline in a hands-on or simulated environment.

## **COL—Colloquia (IS)**

A course requiring students to participate in an unstructured or informal meeting for the exchange of views on a specific topic with an expert or qualified representative of the field or discipline.

## **DSC—Recitations (OC)**

course requiring the extended expression of thought supported by generally-accepted principles or theorems of a field or discipline led by a teaching assistant or instructor under the guidance of a permanent faculty member, which often supplements or expands upon the content of a related or co-requisite course. G campus requires a meeting pattern/location.

## **DTS—Dissertation or Thesis (IS)**

## **IND—Individual Study (IS)**

A course requiring students to participate in individualized, independent, directed, or guided studies under the supervision of an expert or qualified representative of the field or discipline that cannot be otherwise classified as Internship, Field Experience, Cooperative Education, Practicum, Recital, Performance, or Ensemble.

## **INT—Internship, Field Experience, or Cooperative Education (IS)**

A course requiring students to participate in a partnership, professional employment, work experience, or cooperative education with an entity external to the institution, generally under the supervision of an employee of the given external entity.

## **LAB—Lab (OC)**

A course requiring scientific- or research-focused experiential work where students test, observe, experiment, or practice a field or discipline in a hands-on environment, typically held in 210 designated spaces.

## **LEC—Lecture (OC)**

A course requiring the extended expression of thought supported by generally-accepted principles or theorems of a field or discipline led by an expert or qualified representative of the field or discipline.

## **LEL—Lecture and Lab (OC)**

A course that requires the combined attributes of a Lecture course and a Lab course.

## **PRC—Practicum (IS)**

A course requiring students to participate in an approved project or proposal that practically applies previously studied theory of the field or discipline under the supervision of an expert or qualified representative of the field or discipline.

## **PRF—Recital, Performance, or Ensemble (IS)**

A course requiring recital-, performance-, or ensemble-focused experiential work, including individual lessons, where students practice or rehearse and ultimately perform works of music, dance, or theatre for a jury or audience.

## **SEM—Seminar (OC)**

A course requiring students to participate in structured conversation or debate focused on assigned readings, current or historical events, or shared experiences led by an expert or qualified representative of the field or discipline.

## **SLF—Correspondence (IS)**

A course requiring the institution to provide instructional materials, by mail or electronic transmission, including examinations on the materials, to students who are separated from the instructor. Interaction between the instructor and the student is limited, is not regular and substantive, and is primarily initiation by the student; courses are typically self-paced.

## **STT—Student Teaching (IS)**

A course requiring students to instruct or teach at an entity external to the institution, generally as part of the culminating curriculum of a teacher education or certification program.

## **STU—Studio (OC)**

A course requiring visual- or aesthetic-focused experiential work where students test, observe, experiment, or practice a field or discipline in a hands-on environment.

# Guide To Course Descriptions

Course descriptions are comprised of the following information:

- course number—each course description is represented by a three-letter prefix (indicating the department or program within which the course is taken) and a three-digit course number.
- course title
- course credit (in parentheses)—after each course title are two (or three) numbers separated by colons which indicate credit hours, lecture, and laboratory hours.
- description of course content
- prerequisites and/or corequisites
- courses with which the course may be cross-listed (i.e., Same as . . .)
- frequency of offering
- General Education credit (Distribution)
- special information (Notes), which may include:
  - special restrictions or other requirements
  - repeat-for-credit notation, if course can be repeated
  - grading mode, if other than letter grade

- previous course occurrences, if renumbered or prefix changed (i.e., Formerly . . .)
- equivalent course credit

See topics listed below for explanations of the above items.

## Course Prefixes

See the topic Course Prefixes (p. 802) in this Academic Program Terminology section.

## Course Numbers and Levels

Course level numbers are structured as listed below.

Course Level Number	Description
100-199	intended primarily for freshmen
200-299	intended primarily for sophomores
300-399	intended primarily for juniors
400-499	intended primarily for seniors
500-599	for all graduate students
600-749	for all graduate students, including doctoral
750-799	doctoral level only

Undergraduates are reminded that a minimum of 36 credit hours must be completed at the 300 level or above to meet graduation requirements.

## Course Credit Hours

Credits for all courses are reported in credit hours. A credit hour credit equals one 50-minute class period per week or its equivalent throughout one semester. The number of credits given for each course is listed as part of the course description immediately following the course title.

## Course Type Abbreviations with Instructional Delivery Method

See the topic Course Type Abbreviations with Instructional Delivery Method (p. 803) in this Academic Program Terminology section.

## Course Description

The description of a course is necessarily brief and is intended to give students a concise overview of course content. A course syllabus, which contains complete details about a course's content and requirements, may be obtained from the department or instructor.

## Course Prerequisites and/or Corequisites

A prerequisite is a course that must be completed before another course may be taken. A corequisite is a course that must be taken concurrently with another course. Prerequisites and corequisites are indicated with the heading Prerequisite or Corequisite followed by the requirements that must be met before that course may be taken. A student may not enroll in a course without having completed the proper prerequisites unless these prerequisites have been waived by the head of the department in which the course is offered.

## Cross-Listed Courses

Each semester a number of courses are cross-listed with courses taught in a different department. These courses meet in the same room at the same time but have different course prefixes and may have different numbers. Cross-listed courses are listed under the Cross Listed Courses heading ("Same as . . ."). Students should be aware of cross-listings

before registering in order to avoid taking a course for which they will not receive additional credit.

## Frequency of Course Offering

Many courses indicate the semester(s) in which they are usually offered. This information is listed under the Offered heading:

- Fall and Spring—course usually offered both fall and spring semesters.
- Fall and Spring and Summer—course usually offered fall and spring semesters and summer session.
- (Fall or Spring)—course usually offered either fall or spring semesters.
- (Fall or Spring or Summer)—course may be offered fall semester, or spring semester, or summer session.
- (Fall or Spring or Winter)—course may be offered fall semester, or spring semester, or winter session.
- (Fall)—course usually offered fall only.
- (Spring)—course usually offered spring only.
- (Summer)—course usually offered summer only.
- (Alt)—course usually offered only in alternate semesters or years.
- (Even, Odd)—course usually offered in even or odd semesters or years.
- (Occ)—course offered occasionally.

Students should also be aware that regularly scheduled undergraduate classes for which fewer than ten students enroll (or graduate classes for which fewer than five students enroll) will be offered only with special approval of the Provost. If enrollment does not justify continuation of a class, the class may not be offered that semester.

## General Education Requirement Abbreviations

See the General Education Program topic in the University Requirements section.

## Other Course Restrictions

Some courses carry additional restrictions (Freshmen only; Majors only; etc.). Such restrictions are also listed in the prerequisite notation.

## Repeat-for-Credit Notation

Some courses may be repeated for credit under special circumstances. Such information is listed in the Notes.

## Grading Method

Courses are graded by letter grade (A–F) unless otherwise noted in the course description. If a course is graded other than by letter grade, this information is stated after the prerequisite listing. Also see the topic on Grading in the Academic Regulations and Policies Section.

## Pass/Not Pass Courses

Undergraduate/advanced undergraduate courses that are graded P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory) and are so noted in their descriptions.

## Equivalent Course Credit

A number of undergraduate courses have course content that is considered equivalent to other similar courses. The course entry in this bulletin will contain a notation under the Notes heading—such as "Students may not earn credit for both . . ." Students should be aware of

such equivalencies before registering in order to avoid taking a course for which they will not receive additional credit.

## Major Description and Program Requirements and Courses Explanation

### Undergraduate Areas of Study

Undergraduate areas of study include all majors, concentrations, teacher licensure programs, minors, and second majors that are available to UNC Greensboro students. Students seeking a baccalaureate degree must select a primary major, and may, after consultation with an advisor, also select a minor or a second major.

### Major

A major is a formalized curricular program leading to a degree. A concentration is a formalized curricular sequence established to achieve a specific goal within a major. Each academic unit or department establishes the course requirements for each major program, concentrations within a major, and related area requirements. All program requirements follow the general structure described below.

### Major Description

The following information is always included at the beginning of the major listing:

1. Name of major
2. Degree awarded
3. Total credit hours required for the degree
4. Concentrations available (if more than one area of study is available)

## Program Admission Requirements

Special program admission and/or continuation requirements, if any, are listed immediately following the description of the major and degree. A number of programs have requirements that must be met before the student can be formally admitted to the major and permitted to take upper-level courses. Such requirements usually involve completion of foundation courses, achievement of a certain GPA, and completion of a specified number of credit hours. Certain programs require portfolio review or audition for admission.

## Program Course Requirements

### General Education Requirements

All students completing undergraduate degrees at UNC Greensboro are required to complete General Education Requirements. All undergraduate programs follow General Education requirements. Most programs in the College of Arts and Sciences have College Additional Requirements (CIC) in addition to the General Education requirements. General Education requirements, including specific courses specified by the program, are listed prior to the major requirements.

### Major Requirements

Major requirements include all courses that must be taken within the major department for completion of the degree. All undergraduate majors require a minimum of 27 credits in the major program of study.

Majors that provide students with more than one concentration or area of study within the major will usually separate the Major Requirements

into Core Requirements and Additional Concentration Requirements. Core courses are those courses required of all students in the major, regardless of concentration. Concentration requirements are additional courses required only for a specific concentration.

A program of study taken by a student as a second major, in addition to the student's primary major, must meet all requirements as stated for that major. For example, a student pursuing English as the primary major who wishes to obtain a second major in French, must meet all the requirements for the English major as well as those for the French major.

### Related Area Requirements

A number of majors require courses from other departments or programs for completion of the degree. Such courses are listed as "Related Area" requirements following the major requirements.

### Teacher Licensure Requirements

Programs that lead to teacher licensure also list teacher licensure requirements.

### Second Academic Concentration Requirements for Teacher Licensure Programs

Several teacher licensure programs require students to complete a second academic concentration in addition to the primary major program. Students in teacher education programs should check with their advisors or with the School of Education Licensure Programs for available second academic concentrations.

### Electives

Most programs do not specify which electives a student must take although some may make suggestions. Electives are those courses taken to complete the credits required for the degree after fulfilling General Education requirements and major, related and/or other program requirements.

### Minors

A minor is a formalized curricular sequence taken by a student outside his or her major area of study. Programs that can be taken as minors are described following descriptions of the major and second major. A minimum of 15 credit hours in a department is required to complete an area of study as a minor. Several areas of study can be taken only as minors. See individual programs for details.

## Special Curriculum Option (Plan II)

For students whose intellectual interests and professional goals span more than one Academic Department, a special curriculum option—called Plan II—allows students to design an individualized interdisciplinary course of study drawing on existing faculty expertise and interest. Plan II programs should reflect the same kind of rigorous intellectual investigation found in UNC Greensboro's established department based majors. Rigorous intellectual investigation varies by discipline, but typically involves a scaffolded set of courses that build upon each other; some degree of formal theoretical analysis is often, if not universally, desirable.

Developing an individualized program is a time consuming process, often taking one year from initial intent to final approval. Students must file a statement of intent to pursue Plan II with the University Curriculum Committee prior to completing their first 45 institutional credit hours, and submit the full plan for review prior to completing their first 60 institutional credit hours. Students desiring to pursue Plan II should be

advised that there is no guarantee that their proposed program will lead to graduation until it has been fully approved.

Required steps have been adopted by the Undergraduate Curriculum Committee for approving Plan II programs. The following is an abbreviated description of the procedures that must be followed:

1. Consult with the Student's First Office regarding established UNC Greensboro majors &/or minors to determine if a program that supports the student's interdisciplinary goals already exists (Plan II programs that replicate existing programs with minor variations will not be approved).
2. Select a faculty advisor with academic expertise in the primary component of the interdisciplinary major.
3. With the help of the faculty advisor, Select another faculty member with expertise in a different component of the interdisciplinary major, as well as a representative of the Unit Advising representative to serve on an advisory committee.
4. Develop a formal proposal with the advisory committee.
5. Proposal must be reviewed by the lead faculty advisor's academic unit's curriculum committee.
6. Proposals are then reviewed by the Undergraduate Curriculum Committee

Minor modifications to an approved Plan II program may be made if approved by both the faculty advisor and the University Registrar's Office. Other modifications require the full process outlined.

# Graduate Policies

## Preface

The UNCG Graduate School Handbook contains the policies, procedures, regulations, and deadlines, as created and revised by the Graduate School's Policy Committee.\* Revisions are finalized by the Graduate Council, after a one-month comment period open to Graduate Faculty. It is the student's responsibility to know and to follow all policies, procedures, regulations, and deadlines. Each graduate program maintains a handbook that describes admission expectations specific to that program and may have additional regulations.

SECTION I: Covers general academic requirements and regulations.

SECTION II: Covers financial information, assistantships, fellowships, and credentialing process for graduate teaching associates.

SECTION III: Provides a summary of Graduate School regulations for all certificates and degrees.

Official University Communication: According to UNCG University policy, e-mail is the official method of communication. All official communications will be transmitted through UNCG University e-mail to students' official UNCG email addresses at the "uncg.edu" domain. Students are responsible for monitoring this e-mail account at all times while enrolled at UNCG. Failure to monitor this account may result in missing important announcements and deadlines and will not serve as a basis for an appeal or modification of deadlines. For answers to questions about Graduate School policies, contact the Office of the Dean of the Graduate School at 336-334-3287 or e-mail the Dean's administrative assistant.

\* Last Updated: April 24, 2020.

## Section I: Academic Requirements and Regulations

### Graduate Admissions and Enrollment

All degree, certificate, or non-degree-seeking students must submit a nonrefundable application fee to the University before the application is processed. Visit UNC Greensboro's Guide to Graduate Admissions (<https://grs.uncg.edu/prospective/guide/>) for any additional requirements. Note that some programs may specify additional material (e.g. portfolio, auditions, test scores).

#### Overview

Admission into a UNCG graduate degree or certificate program is a process shared by the Graduate School and the graduate program. To be considered for graduate admission, applicants must meet the requirements of the Graduate School and of the graduate program.

Faculty in the graduate programs recommend students for admission to the Graduate School after they have assessed each prospective graduate student's potential. Programs have significant discretion in determining admission standards and class size based on factors such as availability of academic mentors, financial support, laboratory space, and student distribution within interest areas.

Neither an academic record exceeding minimum requirements, nor satisfactory scores on standardized tests, nor professional expertise alone will assure an applicant's admission in this competitive

environment. Rather, the overall record must indicate the strong likelihood that a prospective student will complete graduate study successfully.

Each application to the Graduate School will result in one admission decision. Offers of admission are not official until approved by the Dean of the Graduate School. Official admission decisions are communicated to applicants by email from the Dean of the Graduate School. Prospective students can view the status of the admission application online at the application portal. Click "Manage Your Account" and then "View All Forms."

UNCG has staff who are charged with international recruitment. Additionally, UNCG uses independent contractors in the recruitment of international students. Agreements between Independent Recruiting Agencies and UNC Greensboro include a statement under the Contractor Responsibilities section that the Contractor shall "Recruit students with requisite academic qualifications who meet or exceed the university's admission requirements." UNCG provides those requirements in written materials, such as the UNCG Catalog, and in training sessions conducted by the International Programs Center. The Graduate School Office of Admission has no direct contact with independent recruiting agencies. Students recruited by any means are shown no favoritism in the admissions process. This information is withheld from programs as they evaluate applicants. The only reason this information is collected is to analyze the efficacy of recruitment efforts.

Successful applicants are offered admission for a specific program in a specific term.

#### Minimum Requirements for All Applicants

- Applicants must submit a completed online application.
- \$65 nonrefundable application processing fee.
- Applicants whose native language is not English must demonstrate English proficiency (See English Language Proficiency).
- Per UNC Policy 700.5.1[R], the UNC system requires all applicants to answer questions regarding community standards/campus safety questions. Applicants may be required to submit to a criminal background check, based on their answers to the community standards/campus safety questions.
- Completion of a bachelor's degree and a graduate degree (if required by the program) from a U.S. college or university accredited by a regional accrediting association or completion of a bachelor's and a graduate degree (if required by the program) that is equivalent to a U.S. degree from an international college or university recognized and approved by the Ministry of Education or Commission responsible for higher education in the country where the degree is earned.

If degree is in progress:

- For U.S. degree, one transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) is in progress.
- For international degree, a course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of in progress status of U.S. equivalency of a bachelor's and a graduate degree (only if required by the program), credit hours, expected degree, and current GPA. Programs may

substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree.

If degree(s) have been awarded:

- For U.S. degree(s), one transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) was earned
- For international degree(s), a course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of earned U.S. equivalency bachelor's degree and a graduate degree (only if required by the program), credit hours, and GPA. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree.
  - Exception - A credential evaluation is not required for the international undergraduate degree program if the applicant earned or is in the process of earning an advanced degree from an accredited U.S. institution. The final official transcript showing the awarded international degree is still required.

*The Graduate School reserves the right to verify the accuracy and authenticity of the educational documents submitted.*

## Disposition of Application Materials

Credentials or supporting materials submitted for admission to the Graduate School become the property of the University and are not returned. No copies will be provided to third parties outside the University except when compelled by legal authority. Copies will, however, be provided to appropriate offices at the University in the interest of academic matters or financial awards relative to the applicant. Applications and supporting documents are retained according to the retention policies of the state of North Carolina.

## Admission Decision

Admission into a UNCG graduate degree or certificate program is a process shared by the Graduate School and the graduate program. To be considered for graduate admission, applicants must meet the requirements of the Graduate School and of the graduate program.

Faculty in the graduate programs recommend students for admission to the Graduate School after they have assessed each prospective graduate student's potential. Programs have significant discretion in determining admission standards and class size based on factors such as availability of academic mentors, financial support, laboratory space, and student distribution within interest areas.

Neither an academic record exceeding minimum requirements, nor satisfactory scores on standardized tests, nor professional expertise alone will assure an applicant's admission in this competitive environment. Rather, the overall record must indicate the strong likelihood that a prospective student will complete graduate study successfully.

Each application to the Graduate School will result in one, final admission decision. Offers of admission are not official until approved by the Dean of the Graduate School. Official admission decisions are communicated to applicants by email from the Dean of the Graduate School. If the admitted applicant does not register for the term specified in the admission letter, the admission may be subject to cancellation.

## Enrollment Requirements

Students' continued enrollment at UNC Greensboro is contingent upon completion of the following items.

- If a degree was in progress at the time of submitting the application:
  - One, final official transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) was earned in the U.S. This transcript must be issued by the registrar's office showing the degree awarded, earned credit hours, GPA, and no courses in progress. If not received before the first week of classes, courses will be dropped and a registration hold will be placed.
  - For international degree(s), an official course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of earned U.S. equivalency bachelor's degree and a graduate degree (only if required by the program), credit hours, and GPA. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree. This evaluation must include degree awarded (verified) equivalency with no courses in progress. If not received before the first week of classes, courses will be dropped and a registration hold will be placed.
- If degree(s) had been awarded at time of application:
  - One final official transcript from all colleges and universities where a bachelor's degree and a graduate degree (if required by the program) were earned in the U.S. This transcript must be issued by the registrar's office showing the degree awarded, earned credit hours, GPA, and no courses in progress and must be received before being allowed to register for the second semester.
  - For international degree(s), an official course-by-course evaluation from a National Association of Credential Evaluation Services (NACES®) service, showing proof of earned U.S. equivalency bachelor's degree and a graduate degree (only if required by the program), credit hours, and GPA. Programs may substitute proof of earned U.S. equivalency graduate degree in lieu of U.S. equivalency bachelor's degree. This evaluation must include degree awarded (verified) equivalency with no courses in progress and must be received before being allowed to register for the second semester.

## English Proficiency

UNCG accepts the following methods of demonstrating English proficiency:

- Test Scores
  - IBT TOEFL 79, TOEFL iBT Special Home Edition 79, and TOEFL Essentials Score 9. Use Code 5913.
  - IELTS 6.5 Band Score (select University of North Carolina Greensboro Graduate Admissions)
  - Duolingo English Test DET 110 (<https://englishtest.duolingo.com/applicants/>)
  - ELS 112
  - Kaplan English Advanced Level
  - PTE Academic 67

\*\*ELPs must not be more than 2 years old from the date of application submission.

- English Language Proficiency may also be demonstrated by successful completion of INTERLINK Level 6 (<https://interlink.uncg.edu/>).
- An applicant whose native language is not English is considered English Proficient under the following circumstances:
  - The applicant is from a country where English is recognized as the primary, official language.
  - The applicant is or will be a graduate of a degree or certificate program from a U.S. regionally accredited university.
  - The applicant is or will be a graduate of a non-U.S. college/university where English is the primary language of instruction.

## I-20 and DS 2019 Issuance

For I-20 and DS 2019 issuance, as required by USCIS, international applicants must show evidence of sufficient funds, for a minimum of one year, to support one's education and living expenses while at UNCG. Financial forms may be downloaded from within the graduate application or on The International Programs Center (IPC) webpage at: <https://international.uncg.edu/international-students-and-scholars/obtaining-or-renewing-your-visa/>.

## Transcripts

Departments/programs may require additional transcripts.

## Pursuing Multiple Degree Programs

Students are prohibited from pursuing multiple degree programs at the same time.

## Deferral of Admission

Graduate admission to a degree or certificate program may be deferred for a maximum of one year from the initial term of admission. The student is responsible for contacting the department to determine if admission for subsequent terms is allowed.

To request a deferral of admission, admitted students must submit a completed Deferral of Admission Form, found within the online application, to the admitting department's Graduate Program Director no later than the first day of classes of the term of initial admission. The deferral request must be for a specific entry term. The entry term must also be for a term the program has listed as an offered admit term.

After considering the request, the department will forward the form to the Graduate School, who will notify the student of the decision. Merit-based financial aid, i.e. teaching/research assistantships, scholarships, and fellowships will not be deferred; the student must compete again for the awards.

Students who have not enrolled and have not requested a deferral of admission will be required to reapply.

Military-affiliated students should contact the Graduate School for individual assistance with extended deferrals.

## Non-credential-seeking (Visiting) Students

Non-degree students who wish to take graduate-level courses (courses numbered 500 – 749<sup>\*</sup>) must have earned a baccalaureate degree from an accredited college or university and must apply through the Graduate School. The Graduate School does not admit an individual as a non-degree student (as if they were in a program). Instead, approved non-degree students will receive notice from the Graduate School that they

may register for classes. Visiting students are restricted from registering for any course that is not on a program's list of approved courses.

Non-degree students who wish to take undergraduate-level courses (courses numbered 100-499) must apply through undergraduate admissions, even if they have previously earned an undergraduate degree

Non-degree seeking students must submit a new application for each semester in which they wish to enroll. A non-refundable fee is charged each time a non-degree seeking application is submitted. An undergraduate transcript(s) from the degree-granting institution is required with the initial application. The transcript is kept on file for any subsequent applications and will only need to be submitted once.

Non-degree students who are permitted to enroll for graduate courses may take courses numbered 500 – 749 that have not been restricted by the departments (see Non-degree Seeking Applicants (<https://grs.uncg.edu/prospective/visitingapplicants/>). With the instructor's approval, non-degree seeking students may submit a written petition to the Graduate Program Director or the Department Head to enroll in a restricted course; however, independent study is reserved for only degree seeking students.

To pursue a degree at any time, a non-degree student must formally apply for admission to the Graduate School. If the student meets all Graduate School and program standards and is granted admission, a maximum of nine (9) credits earned while in non-degree status may be applied to an academic degree program; three (3) credits may be applied towards a certificate program. Credit earned must fall within the timeline for completing the degree or certificate.

Non-degree seeking students are not eligible for financial aid.

\* *Visiting students are not permitted to enroll in courses numbered 750 or higher.*

## Public School Personnel

Public school teachers and administrators who wish to take courses solely for licensure renewal credit may do so as non-degree seeking students. Students who meet all requirements for admission as a graduate degree student will also receive the licensure renewal credit.

If credit is to be applied to a graduate degree, the student must submit an application to the Graduate School before the completion of the course.

## Readmission and Catalog Policy

The *University Catalog* is the publication that documents all academic policies, regulations, and program requirements for a given academic year for all students and programs.

A student's catalog year identifies the set of curriculum requirements and regulations for program completion. The catalog year is established for the individual student upon declaration or change of the program.

A student may change a catalog year without a change of program or minor only to a more recent catalog. The student may request this change formally through their department.

Any student who has been inactivated must reapply for admission to the University. If admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

## Readmission after Academic Dismissal

A student who is dismissed for academic reasons will be eligible to submit a new application after two semesters or the equivalent and may be admitted only upon the recommendation of the major department head or Graduate Program Director and with the approval of the Dean of the Graduate School. While on academic dismissal, students are not eligible to take courses as a non-degree seeking student.

## Accelerated Master's Programs

An Accelerated Master's Program (AMP) allows a student to begin accumulating credits towards completion of a UNCG master's degree while still enrolled as an undergraduate. Successful undergraduate applicants are given an early decision on their graduate application pending successful completion of the baccalaureate degree. These graduate-level courses will count towards both the baccalaureate degree and the graduate degree; the grades will be recorded on both transcripts.

Undergraduate students may apply for admission to the AMP after the completion of 60 credit hours with at least 30 of these credits at UNCG. Minimal criteria for admission to any AMP will include a UNCG cumulative undergraduate GPA of at least 3.5.

The student must apply for admission to the AMP through the Graduate School. To ensure a timely decision and access to course enrollment, students must apply for admission to an Accelerated Master's Program by **July 1** for Fall AMP course enrollment, **November 15** for Spring enrollment, and **April 1** for Summer enrollment.

International students who are admitted into an Accelerated Master's Program should work with the Graduate School and the International Programs Center to apply for a visa extension.

A student enrolled in an AMP program is prohibited from Dual Bachelor's-Master's Registration.

All AMP students are considered to be undergraduate students until the conferral of the baccalaureate degree, which requires an application to graduate from the baccalaureate program. No more than 12 graduate-level credit hours taken as an undergraduate may be applied toward both the undergraduate degree and the graduate degree. To be able to apply these credits towards the graduate degree, students must achieve grades of B or higher in the AMP courses.

## Dual Bachelor's-Master's Registration

Students who do not wish to enroll in a UNCG graduate program may register for graduate-level courses if they have no more than twelve (12) credit hours remaining to fulfill the requirements of their bachelor's degree program. Students must apply for admission to a graduate program before requests for dual registration can be approved, but they do not have to be formally admitted until the end of the semester in which credit is earned. For dual registration status, the approvals of the Graduate School, the University Registrar's Office, the Graduate Program Director in the appropriate graduate program(s), and the student's undergraduate major adviser are required.

Total graduate credit obtained in this dual status may not exceed 12 credits. Graduate courses are not applied to the undergraduate degree.

A student enrolled in Dual Bachelor's Master's Registration may not be concurrently enrolled in an AMP program.

## Faculty as Students

Faculty at UNCG may not pursue a graduate degree or certificate in their home department or degree-offering unit. For exceptions, the unit dean may petition the Dean of the Graduate School.

## Eligibility to Remain in Graduate School

The Graduate School may dismiss a student for academic reasons, violation of the academic integrity policy, and/or student conduct violations as described in each program's graduate handbook.

## Academic Good Standing

Students enter Graduate School with no academic standing and are expected to earn at least a GPA of 3.0 in their first semester to be placed in Academic Good Standing. Continuing students must maintain a cumulative GPA of at least 3.0 in all graduate course work at UNCG to remain in Academic Good Standing.

## Academic Probation

Any student whose cumulative GPA for all graduate courses falls below 3.0 will be placed on Academic Probation, effective for the next term during which the student is enrolled. Probationary status will be removed and the student returned to Academic Good Standing if (1) the student's GPA for each term during which the student is on probation is 3.0 or better, and (2) the student's cumulative GPA for all graduate courses is at least 3.0 at the end of the semester in which the student completes nine (9) semester hours after being placed on Probation. If Probationary status is not removed upon the completion of 9 semester hours after being placed on Probation, or if the student achieves a term GPA below 3.0 while on Academic Probation, the student will be dismissed from the program and will be ineligible to continue in the Graduate School.

Students on probation are ineligible for assistantships or fellowships.

If the Graduate School determines that it is not possible to return to Academic Good standing within the allotted credit hours for graduation, that student will not be placed on Academic Probation. Instead, that student will be immediately dismissed from the Graduate School.

Students who meet the criteria to be placed on Academic Probation more than once in the same program will not be placed on Academic Probation; instead, they will be immediately dismissed from the Graduate School.

While on Academic Dismissal, students are not eligible to take graduate-level courses as a non-degree seeking student.

Should a student complete or withdraw from one academic program and begin study in another academic program, all grades remain part of the student's academic record and contribute to the student's cumulative graduate GPA.

Students may refer to Graduate Grading for a more detailed description of grading policies.

## Graduate Exams

Graduate students who fail any written or oral milestone exam must petition their advisory committee for permission to take it again. The Graduate School will dismiss any graduate student who fails two attempts for a milestone exam.

## Satisfactory Progress Toward Degree

All graduate students are required to demonstrate satisfactory progress towards degree completion. Department Handbooks shall document the procedure to annually assess students' progress to degree completion. The Graduate Program Director (GPD) must notify the Graduate School

of any student determined not to be making satisfactory academic progress; that student shall be placed on Academic Probation. A student who subsequently fails to make satisfactory progress towards the degree and be removed from probation shall be dismissed from the Graduate School.

### **Satisfactory Academic Professionalism**

Satisfactory performance in the Graduate School also involves maintaining the professional standards and academic progress expected in a discipline or program. Failure to maintain the standards or progress set out in a student's departmental or program handbook may result in dismissal from the program.

### **Satisfactory Academic Progress for Financial Aid**

Federal and state governments require each educational institution to define standards of progress for students seeking financial aid. All students who wish to qualify for financial aid while attending UNCG must meet the following standards:

- Minimum grade point average
- Minimum semester credit hour completion rate
- Cumulative completion rate—attempted vs. earned hours
- Completion of a degree within a maximum number of credit hours

To view the complete SAP (Satisfactory Academic Progress) Policy click here (<https://fia.uncg.edu/forms/2018-19/1819SAPpolicy.pdf>) to view the document.

## **Student Rights, Responsibilities, and Registration**

### **Rights**

Students are entitled to privacy, expression, nondiscrimination, non-harassment, and the opportunity to appeal, petition, or contest university actions pursuant to the procedures referenced below.

### **Responsibilities**

The student is responsible for:

- observing all university and Graduate School policies, regulations, procedures and academic requirements, including specific requirements of the program; and
- maintaining a high standard of academic integrity.

### **Academic Integrity Policy**

Academic integrity is founded upon and encompasses the following five values: honesty, trust, fairness, respect, and responsibility. First responsibility for academic integrity lies with individual students and faculty members of the UNC Greensboro community. A violation of academic integrity is an act harmful to all other students, faculty, and the entire community. Specific information on the Academic Integrity Policy and obligations of faculty and students may be found here (<https://osrr.uncg.edu/academic-integrity/>).

### **Appeals for Academic Decisions**

Qualified faculty members are expected to exercise objective judgment in making academic decisions. Under certain circumstances specified below, students may appeal these decisions. Students must submit appeals in writing and include all documented evidence. Students will receive written determinations regarding their appeals.

Students may appeal to the Graduate School under at least one of the following circumstances:

- The academic decision was applied in a manner inconsistent with University policy.
- The academic decision was arrived at arbitrarily or the policy was unequally applied.
- There was a flaw in the student's right of due process.

The procedure specified below is to be used to resolve grievances against decisions or actions that were made by employees or agents of UNCG that would adversely affect the student's progress toward a graduate degree.

### **Graduate Student Grievance Procedures**

Graduate students may use this procedure to file a grievance against an adverse decision made by a University faculty member or program director ("academic officer(s)") that violates University policy or applicable laws.

#### What May Be Grieved

1. Decisions made by academic officers that:
  - a. Adversely affect the graduate student; **and**,
  - b. Involve a misapplication or misinterpretation of University policies, regulations, rules, or a violation of state or federal law.
2. Graduate Student Final Course Grades

#### What Is Not Covered By This Procedure

Student disciplinary matters and allegations of discrimination or harassment are not covered by this procedure. Please see the Discriminatory Conduct Poli ([https://policy.uncg.edu/university\\_policies/discriminatory-conduct/](https://policy.uncg.edu/university_policies/discriminatory-conduct/)) and the Student Code of Conduct (<https://osrr.uncg.edu/wp-content/uploads/2021/08/Student-Code-of-Conduct-8-13-21-1.pdf>) for more information. Other grievances may be handled using Student Grievance and Appeals Policies and Procedures (<https://sa.uncg.edu/division-of-student-affairs/students/academic-resources/student-grievance-and-appeals-policies-and-procedures/>).

### **Adverse Decisions**

#### Informal Grievance Procedure

Before submitting a formal grievance, the graduate student shall first attempt to informally resolve the issue with the academic officer responsible for the action or decision being grieved. The student shall discuss the problem in a meeting with the academic officer within 15 business days after receiving notice of the adverse action. If informal resolution is unsatisfactory, the student may proceed by filing a written formal grievance with their Graduate Program Director ("GPD").

#### Formal Grievance Procedure

1. The graduate student must submit a written appeal (email allowed) addressed to their GPD within thirty (30) business days following the informal discussion. The Graduate Program Director or the Unit Dean may extend the time limit for good cause shown if the grievant makes a request for extension of time within the thirty (30) day period. If the grievance is against

- the GPD, then the student should submit the formal grievance to their Academic Unit Dean ("Unit Dean"). Filing occurs when the written grievance is submitted to the GPD or the Unit Dean.
2. This communication must clearly set forth, in reasonable detail: 1) what decision is being challenged, 2) which academic officer made the decision, 3) how the policy, regulation, rule, or law was misapplied or misinterpreted, and 4) the remedy sought. The graduate student may attach additional documentation or evidence if necessary.
  3. The GPD or Unit Dean shall review the submission, consult with the academic officer involved, and provide a written decision by email to the graduate student within 30 business days after the filing date. An additional extension may be granted for good cause shown, and the need for an extension and the anticipated decision date will be communicated to the graduate student by email.
  4. If the student is not satisfied with the outcome at this level, the student may submit a written notice of appeal (email allowed) to the Dean of the Graduate School within fifteen (15) business days of receiving the written decision.

#### Graduate School Appeals

The Dean of the Graduate School will convene the Graduate Appeals Committee after receiving timely written notice of appeal. The Appeals Committee is comprised of members of the Graduate Council who are assigned to this standing committee. The Appeals Committee must review all written documentation in the case, and it must provide the graduate student grievant with an opportunity to appear in person to present testimony and evidence. The student appearing before the Appeals Committee may bring one support person who is not allowed to address the committee. The Unit Dean or their designee shall be invited to the hearing to observe but will not participate.

#### Appeal Committee Procedure

1. The Appeals Committee Chair may provide a brief overview of the appeal at the beginning of the hearing. This statement shall be limited to an objective summary of the issues present in the appeal.
2. The student will state their case. There will be no interruptions, but committee members may ask clarifying questions by asking permission from the Appeals Committee Chair.
3. The academic officer whose decision is being appealed will state their case. There will be no interruptions, but Committee members may ask clarifying questions by asking permission from the Appeals Committee Chair.
4. Committee members may also ask questions of any other involved parties present.
5. The Student will respond and ask questions of the academic officer and other involved parties who previously provided information
6. The Appeals Committee will have the opportunity to ask final questions of both the student and the academic officer.
7. The members of the Appeals Committee will deliberate in private.
8. The Appeals Committee Chair will send a written report within fifteen (15) business days to the Unit Dean or designee and the Dean of the Graduate School. This report must describe the facts of the appeal as determined by the Appeals

Committee after hearing the evidence and the Committee's recommendation for the action to be taken.

9. The Unit Dean or designee and the Dean of the Graduate School shall jointly review the report and consult with the Provost. Then, the Dean of the Graduate School will make the final University decision and provide copies of this decision in writing to all involved parties within 20 business days of receiving the Appeals Committee report. This decision is final.

#### **Grade Grievances**

##### Applicable Circumstances

1. Graduate students may appeal a final course grade within 30 business days of the posting date, if:
  - a. The grade assignment is detrimental to the student; and,
  - b. One of the following is true:
    - i. The grade was calculated in a matter inconsistent with University policy, the syllabus, or changes to the syllabus; or,
    - ii. There was an arithmetic or clerical error; or,
    - iii. The instructor failed to assign or remove an Incomplete ("I"), or to initiate a grade change as agreed upon with the student; or,
    - iv. A No Report ("NR") grade caused a student to be placed on probation or dismissed from the graduate school.
2. This grievance procedure does not apply to test grades, partial grades, or grade changes resulting from Academic Integrity violations that are administered by the Office of Student Rights and Responsibilities.

##### Grade Grievance Procedure

1. If an attempt to obtain an informal resolution is unsatisfactory, then the student may submit a written complaint or email to the instructor who assigned the grade, with a copy to the department head for review.
2. If the instructor is no longer employed at UNCG, the department head assumes the role of the instructor.
3. The written complaint must identify the basis of the grade appeal and must state in detail the applicable criteria for the appeal and why the student believes that the grade should be changed.
4. If the request is approved by the instructor and endorsed by the department head, then the instructor will change the final course grade.
5. If the appeal is not endorsed by the instructor and department head, then the student may forward the written complaint to the Unit dean for further review, within fifteen (15) business days.
6. The Unit Dean reviews the written complaint and informs the instructor of the student's appeal. The instructor may file a written response within ten (10) business days of receiving notice from the Unit Dean. Within a reasonable time, normally no longer than fifteen (15) business days, the Unit Dean sends a written response to the student, with a copy to the department head and instructor. The Unit Dean's response shall include a recommendation of whether or not the instructor should re-evaluate the student's work in the course(s).
7. The instructor determines if a grade change is warranted, and if so, will submit a grade change.

8. If this outcome is not satisfactory to the student, then the student may file an appeal with the Graduate School by submitting the same written complaint to the Dean of the Graduate School within 15 business days of receiving notice of the unsatisfactory outcome. No additional documents may be submitted.
9. This appeal is governed by the steps listed in Section above for [Graduate School Appeals](#).

## Student/Advisor Responsibilities and Plan of Study

The student is responsible for continuing in satisfactory academic standing and for meeting all degree requirements and deadlines for graduation or licensure. In addition to graduate student policies detailed in the *Catalog*, graduate students are expected to comply with the general regulations of the University as set forth in the *UNCG Policies for Students* available online here (<https://sa.uncg.edu/handbook/policies/>).

### Academic Advisory Committee

The academic program's Graduate Program Director (GPD) or its Department Head assigns each graduate student an initial academic advisor(s). This initial advisor (documented in Banner) could be the GPD or any other member of the Graduate Faculty. If the Department appoints Academic Advisory Committees, the appointment form must be submitted no later than the close of the registration window for the second semester of study, before the completion of eighteen (18) hours.

### Plan of Study

The student is expected to develop an initial Plan of Study (POS) in consultation with the assigned advisor(s). This POS is a guiding document that interprets curriculum requirements and arranges an orderly sequence of activities for the student's progress toward the anticipated degree. It is evaluated and approved by the Graduate Program Director and then filed with the Graduate School. This must be accomplished no later than the close of the registration window for the second semester of study, prior to the completion of eighteen (18) hours for doctoral and MFA students and before completion of 50% of course work for master's students. Upon formation of the Thesis or Dissertation committee, the chair of that committee becomes the student's advisor, documented in Banner. Students are advised to consult with their advisors frequently and to request changes to the POS as needed. Each time a POS is changed, the new POS must be filed with the Graduate School.

### Course Credit

#### Transfer Credit (Graduate)

In some instances, work done in other institutions may be counted toward the degree. Hours only, not grades, may be transferred from other institutions. Please see the Summary of Master's Requirements and the Summary of Doctoral Requirements in Section III for transfer credit information specific to the type of graduate program.

If transfer credit is to be considered, the following stipulations must be present:

- All credit offered in transfer must have been taken at an accredited graduate school and not have been used to complete the requirements for a degree.
- All credit to be transferred must fall within the time limit for the degree/certificate.
- The student must have earned at least a grade of B (3.0) (or the equivalent) on all transfer credit.

- The credit must be recorded on an official transcript placed on file with the Graduate School.
- All credit must be approved both by the Graduate Program Director in the student's academic program and by the Dean of the Graduate School.
- Transfer credit must be necessary to meet specific degree requirements.

Quarter-hours do not transfer as semester hours. A fraction of an hour of credit will not be transferred. See equivalent samples below:

- 2 quarter hours transfer as 1 semester hour.
- 3-4 quarter hours transfer as 2 semester hours.
- 5 quarter hours transfer as 3 semester hours.
- 6-7 quarter hours transfer as 4 semester hours.
- 8 quarter hours transfer as 5 semester hours.
- 9-10 quarter hours transfer as 6 semester hours.

Upon recommendation by the student's academic program, the Graduate School reviews requests for courses to be transferred for credit toward a graduate degree. Such work must represent graduate-level courses relevant to the degree being sought, with course content and level of instruction resulting in student competencies at least equivalent to those of currently enrolled students as determined by the academic program. Students seeking transfer credit should be prepared to submit a syllabus to their academic program.

### Undergraduate Courses

Courses approved for undergraduate credit only (100-499), including required prerequisite courses, will not be counted toward academic program requirements, do not count toward full-time enrollment status, do not appear on the graduate transcript, and will not factor into the student's GPA. These courses are ineligible for financial aid.

### Auditing Courses

To audit a course, students must obtain written permission of the course instructor and the academic program chair. Students can request this permission only after the end of the official registration period.

Retroactive academic credit for an audited course is not permitted. If a student requires credit for a previously audited course, the student must enroll for the course and fulfill all assignment to receive a course grade and academic credit.

### Registration Status

The Graduate School serves as the Dean's Office authorization for University Registrar forms.

### Full-Time Registration

To be considered full-time, students must enroll in a minimum of nine (9) credit-earning graduate credit hours. There are two instances described below when a student enrolled for three (3) credits is awarded full-time status.

#### Master's and MFA - 3 Credits as Full-Time Status

After completing all required course work, a master's student may be considered full-time while enrolled in a 3-credit hour thesis course (699), DCE 697 or 698, or THE 699. Master's students may maintain full-time status with 3 credits of 699 for two terms.

#### Doctoral Candidacy - 3 Credits as Full-Time Status

After entering candidacy status, a doctoral student is considered full-time while enrolled in 3 credits of dissertation (799). Doctoral candidates may

maintain full-time status with 3 credits of dissertation enrollment until completion of the number of dissertation credit hours specified by their programs in the *University Catalog*.

### **Extension Status**

Students who have already enrolled in the maximum number of 699/799 hours but who have not yet completed the requirements for thesis/dissertation enter extension status. To maintain continuous enrollment, extension students are required to enroll in and pay for tuition and fees for at least one extension hour.

The following applies to students in extension status:

- Students must be enrolled in 9 credit-hours to be considered full-time.
- The Graduate School will no longer contribute towards the UNCG sponsored health insurance.
- Students may purchase this insurance if they are enrolled in at least one extension hour.
- Students in extension status lose eligibility for all state-funded support but may be supported by external funds. Contact the Graduate School for more information on this option.

Permission to enroll in extension courses will require verification by the committee chair that the student is making satisfactory progress. These credit hours will not count toward the degree, may impact eligibility for federal financial aid support, and may adversely impact loan repayment schedules. Official information may be found by clicking here (<https://studentaid.gov/manage-loans/lower-payments/get-temporary-relief/>).

### **Continuous Enrollment**

Students pursuing a graduate degree or certificate program are required to be enrolled from the time of matriculation through degree/certificate completion. Continuous enrollment is defined as completing a minimum of one (1) hour of graduate credit (including 699/799/801/802/803) every fall and spring semester, or one semester during the academic year in combination with a summer session. This course work must be approved for the student's program of study and selected in consultation with the departmental Graduate Program Director and/or advisor or committee chair. State funds may not be applied to support tuition for any course that is not documented on the student's Plan of Study.

All graduate students must be enrolled for at least 1 credit during the semester in which they are scheduled to receive their degrees/ certificates. This may include extension courses (801/802/803).

Any student who breaks continuous enrollment must apply for re-admission to the university. If re-admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

### **Visa Requirement for International Students**

Failure to maintain continuous and accurately reported full-time registration can have severe consequences, including, but not limited to, loss of visa status and deportation. Each term, the academic department must supply a letter to the International Programs Center verifying that the student remains in good standing and is making satisfactory progress toward completion of the degree. Official information on maintaining visa status is located here (<https://international.uncg.edu/international-students-and-scholars/degree-seeking-students/maintaining-your-status/>) in the International Programs Center.

Please note: Certain restriction may apply on distance and online course enrollments. International students should consult with their graduate program with questions about maintaining full-time enrollment.

### **Registration while on Assistantship or Fellowships**

Each student holding a service (assistantship) or non-service (fellowship) appointment must be registered full-time to hold that position during the fall and spring semesters. Faculty members who wish to request an exception to this requirement may do so by filling out the Reduced Course Load Request Form (<https://grs.uncg.edu/faculty/>). International students must also contact the International Program Center if they request a reduced course load. (See Section II: Financial and Employment Information and Regulations for more information.)

### **Dissertation Registration**

Students may not register for dissertation (799) until they have achieved candidacy. Programs with documented external licensing or accreditation requirements that impact the normal progression to candidacy may be exempted from this requirement.

### **Milestone Exam Registration**

Students must be registered in the semester any milestone exams are taken and graded; this is normally a fall or spring semester. A student who registered full-time in the immediately preceding spring and upcoming fall terms may take comprehensive exams during the summer without registering for summer session. Students who are eligible to take exams over the summer should not expect to receive results of the exam until early in the fall semester.

### **Changes to Registration**

The Graduate School serves as the Dean's Office authorization for University Registrar forms.

### **Adding Courses**

Courses may be added only during the official add period. Please refer to the University Registrar's Calendar for official add period dates for the standard semester and summer terms.

In rare cases, the Graduate School may authorize a student to enroll in a course after the census date in a given term. Effective dates are not altered. For courses scheduled outside the standard term dates, proportional deadlines are similarly applied.

### **Dropping Courses**

Drop deadlines for the standard semester and summer terms are given in the University Registrar's Academic Calendar (<https://reg.uncg.edu/calendars/>). To drop a course outside the normal drop period, the student must complete and obtain the required signatures on the registration drop/add form, available through the student's academic program or the Graduate School. For courses scheduled outside the standard term dates, proportional deadlines are similarly applied.

No regularly scheduled course may be dropped in the last two weeks of classes in a fall or spring semester or during the last week of a summer session. For courses scheduled outside the standard term dates, proportional deadlines are similarly applied.

Important note: Dropping a course after the census date may have financial and academic consequences. Please refer to Financial Consequences of Academic Actions in Section II.

A student registered for and wishing to drop an interinstitutional course follows the same procedures and deadlines as required for dropping courses at UNCG.

Official withdrawal from the University is required if a student wishes to drop all courses after census date.

## Independent Study Registration

Independent study is reserved for degree-seeking students. Non-degree seeking and certificate students are not eligible to register for courses considered to be Directed Student Learning, (independent work with an instructor). No student may register for an Independent Directed Studies course as a substitute for existing courses.

Degree-seeking students must have completed several regular courses of graduate work and be in academic good standing to be eligible for the course type IND (independent study). Registration for independent study must have the approval of the instructor, the Department Head, and the Dean of the Graduate School.

Master's students may register for no more than 3 credit hours of independent study per semester and may count no more than 6 credit hours of independent study toward satisfying the minimum requirements for the master's degree.

Doctoral, Doctoral Track, and M.F.A. students may count no more than 15 credits of independent study toward degree requirements.

## Cross Registration

The Graduate School participates in the three interinstitutional agreements:

- Interinstitutional Registration
- the Greater Greensboro Consortium
- UNC Online

Students taking courses through a cross-registration agreement must meet the standards for participation in the program as set by their home institution, including the transfer credit policies of the Graduate School, and must follow the rules and policies of both campuses. Students must be registered for at least half of their hours at UNC Greensboro the same semester in which they register through either the Interinstitutional or the Consortium agreement. Under Interinstitutional Registration and the Greater Greensboro Consortium, enrollment and payment of tuition and fees take place on the home campus. For UNC Online, students must pay the appropriate tuition and fees to the visited institution.

Courses taken through cross-registration are considered transfer credit and although the course title will appear on the student's UNC Greensboro transcript, grades are not recorded or calculated into the student's overall GPA.

Regardless of modality, no cross-registered course may be taken pass/fail (satisfactory/unsatisfactory, etc.), and all courses must earn a specific grade to be eligible for transfer. Please refer to the Graduate Grading section of this Handbook for the policy concerning interinstitutional grading.

Application forms and information are available at the Graduate School and the University Registrar's Office. The student must fill complete the application form and obtain their Graduate Program Director's signature certifying the following requirements:

- an equivalent course is not available on this campus,
- the course is appropriate for the student's degree program, and
- it is a graduate-level course according to the current numbering schemes in the visited institution's catalog.

## Interinstitutional Registration

The Interinstitutional Registration program with North Carolina State University, University of North Carolina at Chapel Hill, University of

North Carolina at Charlotte, North Carolina Central University, and Duke University allows degree-seeking graduate students at UNC Greensboro, with the approval of Dean of the Graduate School and their Graduate Program Director, to take courses at these specific campuses. Eligible courses are limited to traditional, campus-based courses. Distance learning, extension, and online courses are not eligible through the interinstitutional agreement.

## Greater Greensboro Consortium

Through membership in the Greater Greensboro Consortium (GGC), UNC Greensboro also participates in an open-access agreement with North Carolina Agricultural and Technical State University, High Point University, and Elon University. With permission of their Graduate Program Director and UNCG's Dean of the Graduate School, degree-seeking students may register for campus-based courses at Consortium Schools.

## UNC Online Interinstitutional Agreement

The UNC Online Interinstitutional Agreement allows degree-seeking graduate students at UNC Greensboro to take online courses at the 15 other UNC system schools. This requires approval by the Dean of the Graduate School and their Graduate Program Director. Students must pay the appropriate tuition and fees to the visited institution. Approved requests should be submitted through UNC Online (<https://online.northcarolina.edu/>).

Note: Courses taken through cross-registration with another institution are considered transfer credits. Grades do not appear on the UNC Greensboro transcript and are not calculated in the GPA.

## Cancellation of Registration

The University will cancel registration under the following circumstances:

### Failure to Attend

Students who did not attend or participate in any courses will have their registration cancelled.

*\* If a student attended or participated in any portion of his/her courses, then Dropping Courses or official Withdrawal from the University processes should be followed. Appropriate justification and approval by the academic program should be included with the cancellation request prior to submission for electronic processing by the Graduate School.*

### Academic Ineligibility

The Graduate School will automatically cancel the registration of those students who become academically ineligible. (See Eligibility to Remain in Graduate School.)

### Nonpayment of Tuition and Fees

A student's registration will be canceled if they do not pay tuition and fees (or properly arrange for a payment schedule) by the payment deadline given in the University Registrar's Calendar.

### Failure to Submit Immunization Records

North Carolina law requires immunization records. The Certificate of Immunization ([https://shs.uncg.edu/wp-content/uploads/MedicalHistoryForm\\_Spring2019.pdf](https://shs.uncg.edu/wp-content/uploads/MedicalHistoryForm_Spring2019.pdf)) or record of immunization must be filed within 30 days of first registering for classes. All new, transfer, and readmitted students (who have not attended UNCG during the previous year) must submit a completed immunization record to Student Health Services to avoid registration cancellation.

The Annual Immunization Report is done each fall. The statute applies to all students except students residing off-campus and registering for any combination of:

- Off-campus courses
- Evening courses (classes beginning after 5 p.m.)
- Weekend courses
- Enrollment in fewer than five credit-hours in Greensboro Campus courses that meet before 5p.m.

For additional information about the University's Cancellation policies (p. 850), please refer to the Office of the University Registrar.

## Graduate Grading

### Permanent Grades

Permanent grades include all grades except NR, IP and I. The distinction between permanent and temporary grades is used to regulate grade changes.

### Grading Scale for Permanent Course Grades

Plus/minus grades are incorporated into the GPA for all graduate level courses according to the following scale:

Grade	Grade Points Awarded Per Hour of Credit
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
F/WF	0.0
W	0.0
S/U	0.0

### Grade Point Average (GPA)

The grade point average is determined by dividing the accumulated number of grade points earned by the accumulated number of semester hours undertaken. Hours attempted but not passed must be included in this calculation. Courses graded S/U and courses transferred from another institution (except those courses taken through cross registration) may not be used in determining the UNC Greensboro grade point average.

### S-U Courses (Graduate)

Grades for the following courses are reported as Satisfactory (S) or Unsatisfactory (U):

- Thesis and dissertation courses upon completion (699, 799)
- 800-level extension courses (801, 802, 803)
- Other courses as indicated in the departmental listings

### Temporary Grades

#### Not Reported (NR)

The NR grade is assigned by the Registrar's Office in instances in which the instructor does not report a grade and the semester has officially closed. Failure to submit a grade may cause a student to be placed on

academic probation. All NR grades must be removed before final degree clearance.

#### Incomplete (I)

The symbol I indicates inability, for reasons beyond the student's control, to complete course requirements by the end of the term in which the course was offered. The Incomplete may be removed by completion of the deferred requirements within six months from the last day of examinations in the term in which the course was taken. An Incomplete not removed within this time limit automatically becomes an F. A grade of I in any course, including work not required for the student's program, must be removed before graduation. A grade of I cannot be removed with a grade of W.

#### In Progress (IP)

Extension of thesis, research extension, and extension of dissertation courses may be graded with IP on a limited basis, but faculty advisers are required to provide documentation of the student's satisfactory progress toward completion of the program. There are other courses that use this grade as well, typically courses that can extend beyond normal semester dates (e.g. an internship, practicum, etc.).

In the case of a thesis, master's production, or dissertation in progress, a grade of In Progress (IP) will be recorded each semester of registration for credit until successful completion of the thesis, master's production, or dissertation, when a final grade of Satisfactory (S) will be assigned.

### Cross-Institutional Grading

For a cross-institutional course to apply as transfer credit towards a UNCG student's graduate degree, the cross-institutional course may not be taken pass/fail. Grades earned for courses taken via cross-institutional registration do not factor into a student's academic eligibility calculation.

### Grade Change

Non-temporary course grades are permanent grades. A permanent grade change may be initiated only by the instructor and only in cases of arithmetic or clerical error, and then only with the approval of the department head of the instructor's academic program. If a student receives a course grade other than incomplete (I), an instructor may not initiate a change of a course grade as a result of reevaluating the quality of the student's performance or as a result of additional work (whether that work is specified in the syllabus or not) performed by the student. Final approval resides with the Dean of the Graduate School.

Such grade changes must be finalized no later than the last day of classes of the next succeeding fall or spring semester.

### Repeating a Course for Credit

Except for independent study or where specific provision is made in the *Catalog*, no student may repeat for credit a course for which he/she has earned credit. If a student repeats such a course, the grade will be recorded on the transcript, but no additional credit will be allowed toward graduation. A failing grade remains on the student's academic record permanently.

### Graduation and Commencement

#### GPA Requirement for Graduation

For the completion of graduate programs, the GPA for graduate courses taken since matriculation in the program must be at least 3.0, even if they

are not required on the Plan of Study. A higher GPA may be required in the major field at the option of the major department.

In the case of a student who has attempted the minimum number of credit hours for the degree or certificate without achieving the required GPA, the Dean of the Graduate School, upon the recommendation of the department, may permit the student to continue taking courses in an effort to earn the required minimum GPA. If permission is granted, a maximum of 25% of the course work hours required for the program may be added to the plan of study, not to exceed 12 credit hours. The additional credit hours may not be independent study.

## Commencement Ceremony

Master's students completing all degree requirements by the end of the spring semester are encouraged to participate in the May Commencement ceremony. Students completing all degree requirements by the end of the fall semester are encouraged to participate in the December Commencement ceremony. Students completing all degree requirements by the end of the Summer Session may participate in either the following December or May Commencement ceremony by applying before required due dates (see Graduate School calendar) to graduate, paying the graduation fee, and notifying the Graduate School. Degree candidates will not earn degrees nor be graduated from the University until they have completed all degree requirements. Participation in a commencement ceremony does not presume graduation from the University.

## Doctoral Hooding Ceremony

Only those doctoral candidates who have successfully defended their dissertation may participate in the Doctoral Hooding Ceremony. Students defending in the spring semester are expected to participate in the May ceremony. Students defending in the fall semester are expected to participate in the December ceremony. Students completing all degree requirements by the end of the Summer Session may participate in either the following December or following May ceremony. Students must apply before required due dates (see Academic Calendars) to graduate, pay the graduation fee, and notify the Graduate School.

Students who plan to defend after the cut-off date for graduation may apply to participate in that semester's hooding ceremony but will not be listed in the program. These students will be listed in the commencement program during the semester in which they complete all degree requirements. Participation in the hooding ceremony does not presume graduation from the University. Doctoral candidates will not earn degrees nor be graduated from the University until they have completed all degree requirements.

## Applying for Graduation

Students may not be admitted to and graduate from the same degree program in the same academic term. However, students who are in academic good standing in a degree program may be admitted to and graduate from a concurrent certificate program in the same academic term.

Students must formally apply for graduation (or to participate in the doctoral hooding ceremony) to the Graduate School by the end of the first week of classes during the term in which they plan to graduate. Degrees are awarded at the end of each semester and the second summer session (i.e., in December, May, and August).

All graduate students must be enrolled for at least one credit during the term in which they are scheduled to receive their degree. This

may include extension courses (801, 802, 803). (See the Continuous Enrollment policy under Registration Status in Section I.)

Diplomas and transcripts of students owing money to the University will be withheld until their account is cleared. Students may not be admitted to and graduate from the same degree in the same academic term. However, students who are currently enrolled in a degree-seeking program, may apply to and graduate from a certificate program.

Students who do not apply for graduation before the published deadline for any semester may apply for graduation during the next semester. Students who have applied for graduation but fail to meet the requirements must reapply for graduation by the published deadline for the semester in which they will fulfill the requirements. Degrees are conferred only after all requirements are completed and the Board of Trustees has taken official action.

## Graduation Fee

The graduation fee is payable in the Cashier's and Student Accounts Office. Students who do not graduate in the term for which they originally applied must file a new application but will not be assessed an additional fee. Students should contact the Graduate School regarding status.

## Degree Name Changes

In the event that the name of a degree changes after a student graduates, graduates will be awarded a degree by UNC Greensboro with the official name and credential of the academic program's degree at the time of graduation and will not be able to change that degree at a later date if officially changed by the University.

## Medical or Personal Issues

### Leave of Absence

UNC Greensboro supports a leave of absence policy to assist graduate students who are temporarily unable to continue their programs. The leave of absence may extend for up to one academic year.

Current students who must break continuous enrollment may apply for a leave of absence. Students choosing this option must file a Graduate School Request for a Leave of Absence that states the reason for the requested absence and that they will neither use University resources, nor require faculty communication or interaction during the leave period. If the leave of absence extends beyond one academic year, the student's matriculation is closed, and the student must re-apply for admission to the Graduate School.

International students who wish to apply for a leave of absence are advised to consult with the International Program Center before submitting the Request for a Leave of Absence with the Graduate School.

It is the student's responsibility to ensure that the proposed leave is compatible with the regulations of any granting agency from which funding would normally be received during the leave period and that such agencies are informed of the proposed leave. Students on student loan programs should inquire with the Financial Aid Office and/or lender regarding any consequences that such a leave may have on their ability to receive future aid or on their repayment status.

Graduate students on assistantship, who are granted a leave of absence, will have their salary and stipend suspended during the period of their leave. If feasible, the remainder of their appointment will be held for them upon their return to the next term. If a graduate assistant and Graduate Program Director disagree on the leave or its arrangements, students

may appeal to the Graduate School. (See Appeals for Academic Decisions under Student Rights, Responsibilities, and Registration in Section I.)

### **Preparing the Application for Leave of Absence**

In consultation with the supervising faculty member, the Application for Leave of Absence form is to be completed by the student and signed by both the student and the advisor or supervising faculty member. The application is to be submitted to the Graduate Program Director for review and signature before being forwarded to the Dean of the Graduate School. Whenever possible, application should be made in advance of the anticipated leave or as soon as possible after commencement of the leave.

### **Withdrawal from the University or a Course**

Graduate students who must withdraw from the University for any reason may do so by dropping all courses online through UNCGenie until the last day to drop without academic penalty. Course withdrawals that occur after this date are automatically assigned a WF grade, which is calculated as an F (failing) grade.

Students whose registration for all courses is cancelled by the University must seek reactivation or readmission through the Graduate School to return to school in subsequent terms.

### **Withdrawal After Drop Deadline Due to Extenuating Circumstances**

Graduate students with appropriate cause as determined by officially documented military deployment, medical, psychological, or unanticipated personal life events, or administrative reasons, may petition the Graduate School for an exemption from the published Withdrawal from a Program or a Course Policy.

The Graduate School shall be responsible for authorizing exemption requests in consultation with the instructor of every course, and with other departments or agencies as needed. If a Course Withdrawal Request After the Drop Deadline is authorized, all requested courses will be indicated on the transcript with a grade of W.

A course abandoned with insufficient reason for withdrawal is assigned the grade of F. In certain cases, faculty may initiate the withdrawal procedure for cause.

If a student withdraws from all courses, the student is considered officially withdrawn from the university.

### **Retroactive Withdrawal Policy**

In very rare cases, students who have experienced extenuating circumstances may request to retroactively withdraw from all courses in a term up to one year following the term in which the courses were taken. Students may not request to withdraw from specific courses; the request to withdraw must be for all courses a student enrolled in for the requested withdrawal term. If a Retroactive Withdrawal Request is approved, the student will be withdrawn from all courses in the requested term and receive W grades on their transcript for those courses. A grade of W will not negatively affect GPA or academic standing at the University. In accordance with the Academic Integrity Policy, a request to retroactively withdraw from courses will not be approved for a course(s) in which an academic integrity violation has resulted in a F grade. Students must initiate the Retroactive Withdrawal Request by contacting the Graduate School.

### **Health Insurance Plans**

As stipulated by the UNC Board of Governors, all students enrolled at UNCG are required to have verifiable health insurance coverage. To

ensure that this requirement is met, all students will automatically be billed for the Student Health Insurance Plan (SHIP) each semester through their Student Account. Students who have a creditable health insurance plan and do not wish to participate in SHIP must submit their active health insurance information by completing an on-line waiver request through the Student Blue portal prior to the posted deadline each semester. A student who fails to submit a waiver request is required to pay the amount posted to their account.

### **Criteria for Graduate Students to be Eligible for SHIP**

- Enrolled in a degree-seeking program
- Enrolled in one (1) or more credit hours, including extension credit. (Online Program students are not eligible for the plan.)

### **Conflict of Interest**

#### **Student-Faculty Relationship**

It is essential to the promotion of high academic standards and maintenance of sound professional practice that the student-faculty relationship be free of real or apparent conflicts of interest based on familial relationships. To this end, a member of the faculty shall not serve in any capacity that will involve evaluating the academic performance of a graduate student when there exists between them a relationship in the first or second degree of affinity or consanguinity or when they otherwise are so closely identified with one another as to suggest a possible conflict of interest.

#### **Students as Faculty**

Graduate students should not be assigned to graduate assistantships that generate conflicts of interest. Graduate students may not teach any course at the 500-level or higher.

A student pursuing a graduate degree at this institution may not be appointed as a member of the General Faculty, except under both of the following conditions:

- the appointment begins in the same semester that the degree is awarded.
- the conditions of employment are approved by the Graduate School, the Department Head and Unit Dean, of the program in which the student is pursuing a degree, and the employing academic Department Head and Unit Dean, if appropriate.

Graduate students should not be assigned as an instructional assistant for any course at the 500-level or higher. In these situations, the Graduate Program Director must file the Conflict of Interest Form with the Graduate School for evaluation.

Graduate students normally do not teach other graduate students from the same academic program. However, there are times when a graduate student must enroll in an undergraduate pre-requisite course with another graduate student serving as Instructor of Record. In these situations, the Graduate Program Director must file the Conflict of Interest Form with the Graduate School for evaluation. In such cases, a full-time faculty member must be designated as the graduate student's teaching supervisor and be responsible for grading the graduate student's work.

## Section II: Financial and Employment Information and Regulations

### Tuition and Other Charges

#### Tuition for Graduate Students

All students must pay tuition and fees according to the schedule printed in the University Registrar's Calendar unless they qualify for a deferment. Refer to the University Cashier's Office for current cost of attendance information. Financial aid cannot be used to satisfy balances carried forward from a prior academic year.

#### Residence Status for Tuition Payment

As a state-supported institution, the tuition rate for legal residents of North Carolina is less than the tuition rate for nonresidents. All students claiming North Carolina residency must file through the North Carolina's Residency Determination Service (<https://ncresidency.cfnc.org/residencyInfo/>).

Students classified as in-state pay only the resident tuition rate. Students classified as out-of-state pay the out-of-state differential and the resident tuition.

Information regarding residency requirements is also available on the Residency Determination Service website. A new application for residence status for tuition purposes may need to be submitted with all reapplication or readmission requests.

#### Fees for Graduate Students

University fees support non-academic services for students. The University works to keep fees competitive with peer institutions and only charges students what is defensible in covering costs associated with the services provided. For a list of required fees for graduate students, see the Cashier's and Student Accounts Office (<https://csh.uncg.edu/>). All graduate students are responsible for paying student fees.

#### Payment methods

The Cashier's and Student Accounts Office (<https://csh.uncg.edu/>) details student billing information, payment due dates and methods, payment plans, and fees. Graduate assistants are eligible for the payment plans that are described on the Accounting Services website under Payment Plans (<https://csh.uncg.edu/payment-plan-information/>).

#### Late registration service charge

A student has not completed registration until all required steps have been taken, including payment of tuition and fees. Any student failing to complete registration on the published deadline dates will incur a late enrollment charge. See the Registrar's Registration Guide (<https://reg.uncg.edu/registration/>) for deadlines.

#### Past due accounts

Any indebtedness to the University which becomes past due immediately jeopardizes the student's enrollment, and no such student will be permitted to enroll for an ensuing semester or summer term. Billing fees and/or collection costs may be added to the indebtedness. Further, any student who fails to pay all indebtedness to the University, including collection costs, may not be issued a transcript or diploma. Unresolved debts may be turned over to a collection agency, reported to a credit bureau, and/or deducted from state income tax refunds.

Debts include, but are not limited to, parking violations, library fines, residence hall fees, academic fees, and others. Disputed settlements

of University fees, returned checks, EFTs, and credit card payments are determined by the Cashiers Office.

#### Refunds

Refunds of tuition and fees, and the policies governing them, are described on the Refunds (<https://spartancentral.uncg.edu/tuition-billing-payments/refunds/>) page, with additional details at the Student Financial Services page.

#### Doctoral Student Status

Doctoral Students are placed in one of three categories, pre-candidate, candidates, or extension. Graduate School Benefits are different for each status.

#### Assistantships

The term **Graduate Assistant** is the umbrella term that encompasses all types of graduate student service appointments.

All assistantships are administered by individual units (departments, colleges, centers, etc.). Any student interested in an appointment as a graduate assistant should make direct contact with the department, college, or unit of interest. Each unit may have deadlines for applying for positions and/or specific requirements for the assistantship.

Students may also consult the Graduate Assistantship Applications listed in UNCG Human Resources Spartan Talent search postings found here (<https://spartalent.uncg.edu/postings/search/>).

All policies on graduate teaching assistants adhere to the UNC System policy Guidelines on Training, Monitoring, and Evaluating Graduate Teaching Assistants (<https://www.northcarolina.edu/apps/policy/>) (400.3.5.1[G]).

#### Acceptance of an Offer of Financial Support

UNCG is a member of the Council of Graduate Schools and adheres to the following resolution:<sup>\*</sup>

*Acceptance of an offer of financial support\* (such as a graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and graduate school expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.*

*Students are under no obligation to respond to offers of financial support prior to April 15# earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organizations subscribing to the above Resolution that a copy of this Resolution or a link to the URL should accompany every scholarship, fellowship, traineeship, and assistantship offer.*

~ Council of Graduate Schools, Resolution Regarding Graduate Scholars, Fellows, Trainees and Assistants. Renewed October 2014.\*

- \* This resolution applies to offers of financial support only, not offers of admission.

## **Eligibility for Graduate Assistantships**

UNC Greensboro recognizes that Graduate Assistants are students first; Graduate Assistants have remunerated responsibilities to the institution, but those duties should support the educational aspirations of the student's academic program.

To qualify for a graduate assistantship, students must be admitted and enrolled full-time in a graduate degree program.

Students who are employed in full-time positions either inside or outside the University are not eligible for assistantships.

The primary objective for graduate assistants is to pursue their individual course of study. However, these students are also employed by the University to teach, conduct research, or assist with administrative duties. Graduate assistantships are mutually beneficial to both students and the University. Assignments should be directly related to the student's field of study or provide the opportunity to develop transferable, professional skills.

Graduate Student Assistantships benefit the student by providing:

- financial assistance to graduate students while they pursue their degree
- teaching and research experience for graduate students
- training in high impact practices in pedagogy
- opportunities to develop professional skills

Graduate Student Assistantships benefit the university by providing:

- instruction for critical teaching needs
- research support for our research active faculty
- administrative support for many areas of the university in support of our mission

Regardless of the source of funding, the responsibility for administering all graduate student financial support resides in the Graduate School in the office of the Dean of the Graduate School. The Graduate School closely monitors the state dollars budgeted as tuition support. Units are solely responsible for supplying stipend funds. Units may also provide additional tuition support to that allocated by the Graduate School or may supplement the Graduate School's contribution towards student eligibility for health insurance support.

Open Graduate Assistantships are expected to be used to recruit new students to UNCG. In the case of a documented retention issue, or an identified personnel need, please contact the Graduate School.

## **Types of Appointments**

The term Graduate Assistant is the umbrella term that encompasses all types of graduate student appointments. The following titles are used for graduate students at UNCG to help identify those students with duties that require higher levels of experience for the position held. (SACSCOC) Graduate Assistants who serve in multiple capacities should be given the title representing the preponderance of the assigned work. In all cases, a student who is serving as an Instructor of Record must be assigned as a Graduate Teaching Associate (GTA).

### **Graduate Teaching Associate**

The Graduate Teaching Associate (GTA) is a graduate student, enrolled in accordance with their plan of study, who serves as Instructor of Record for an undergraduate course in the discipline. The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) requires that all Graduate Instructors of Record (GTA) have "earned at least 18 graduate semester hours in their teaching discipline, be under the direct supervision of a faculty member experienced in the teaching discipline, receive regular in-service training and be evaluated regularly". This student has full responsibility for a course, including leading the class and assigning grades. Associates may also lead discussion sections, grade papers and exams, or supervise laboratory sections. Graduate Teaching Associates may NOT teach graduate-level courses.

### **Graduate Instructional Assistant**

The Graduate Instructional Assistant (GIA) is a graduate student, enrolled in accordance with their plan of study, who may assist with grading and other administrative responsibilities related to a course, but they are not responsible for final grades. GIAs may be listed in the schedule for labs, recitations, tutorials, etc. that are linked to a course with a credentialed Instructor of Record. These courses are designated with an R or an L after the course number and are linked to the Lecture course taught by the faculty member. This may include lab assistance and set-up, serving as a lab supervisor, meeting students in office hours or group settings to provide tutorial assistance, lead recitation sections, or other duties, but does not deliver new course content. GIAs serve under the direct supervision of the faculty member who is instructor of record and a member of the graduate faculty, participates in pre-service training, and receives regular in-service training as well as planned, periodic evaluations.

### **Graduate Research Assistant**

The Graduate Research Assistant (GRA) is a graduate student, enrolled in accordance with their plan of study and assigned to work in a faculty member's lab or provide fundamental support for a faculty member's research. The supervising faculty member may or may not be the student's main advisor. Duties of research assistants vary by discipline and lab but include all tasks needed to pursue research in a given area, such as: data collection, entry, and analysis; reviewing the literature and other library work; writing reports; copying, filing, and collating; organizing and/or cleaning the lab or office.

### **Graduate Clinical Assistant**

The Graduate Clinical Assistant (GCA) is a graduate student, enrolled in accordance with their plan of study and engaged in clinical teaching, research, or clinical practice under the supervision of or in collaboration with a member of the graduate faculty. These students may be assigned case-loads, group counseling, crisis intervention, outreach programming, personality assessments, maintaining clinical records, or other clinical duties as assigned.

### **Graduate Office Assistant**

The Graduate Office Assistant (GOA) is the title given to graduate assistants when there are no expectations of classroom teaching or grading. This individual may staff an open laboratory, studio, or workshop, where students complete assignments or work on projects; provide non-graded, individual instruction or tutoring; or help faculty prepare and manage classroom materials. The office assistant may also perform academic duties such as assisting in non-central roles of faculty research. An office assistant may also be assigned to a wide variety of other responsibilities that are not related to instructional or research processes but support the mission of the University. Graduate students

who have appointments in non-academic units are always classified as office assistants.

The Graduate School reserves the right to withdraw an assistantship appointment at any time because of failure to meet basic eligibility requirements, including maintaining adequate academic performance (3.0 GPA) and satisfactory progress toward degree, or for violation of University policies. Units may also withdraw an assistantship based on failure to follow guidelines or for substandard performance in assistantship duties.

## Graduate Assistant Training

Hundreds of graduate students serve as teaching or lab assistants or graders each semester, supporting the mission of excellent undergraduate education at UNCG. To ensure high-quality experiences for undergraduates as well as our new teaching associates and instructional assistants, the Graduate School requires each student appointed as grader, lab assistant, instructional assistant, clinical assistant, or graduate instructor of record to attend Graduate Assistantship Training. This comprises a series of online tutorials to be completed over the summer and a full-day workshop on the Monday the semester opens. These are appointments as GTA, GIA, and GCA. If a GRA is working with undergraduate students in any capacity, they are required to take the online training.

The Graduate School's program covers pedagogy, University Policies, (e.g., FERPA, Title IX, access and equity, etc.), mentoring students from diverse backgrounds, knowledge of human development appropriate to instructing undergraduate students, assessment, and other areas the faculty deem important. Waivers requesting a student be exempt from or delay training may be considered in unusual circumstances. Approval of the Unit Dean (or designee) and Graduate School Dean is required.

Training for newly assigned GTAs and GIAs occurs on the Monday before classes begin each fall. Programs may require additional teaching assistant training that is more specific to the discipline. The Graduate School maintains an active roster of all students who have successfully completed Assistantship Training.

## Credentialing Process for Graduate Teaching Associates

SACSCOC requires that Instructors of Record be credentialed by the course. The GPD must file the initial credentialing form no later than the start of the semester before a Graduate Teaching Associate may be added to the schedule of courses. Any time a Graduate Teaching Associate receives a new course assignment, the GPD must credential that student for the new assignment. Departments are expected to maintain accurate records documenting the SACSCOC mandated faculty supervision and observations. Graduate Instructional Assistants do not need to be credentialed, but they must attend mandatory TA training. To credential a Graduate Teaching Associate, click [http://go.uncg.edu/gta-credentialing/](http://go.uncg.edu/gta-credentialing).

## Appointment Process

All appointments for assistantships must be processed at least annually through the Graduate School. Selection of assistantship recipients, notification of the appointment, duration, and the stipend amount are the responsibilities of the department or unit making the offer. The appointing unit must use the approved graduate assistantship hiring proposal in Spartan Talent. The hiring proposal must include a clear description of the expectations of the assistantship, the anticipated beginning and ending dates (not more than 12 months per appointment letter), stipend

amount, average hours of service per week, the work schedule (where appropriate), and the conditions for reappointment, if any.

In addition, the graduate assistant must be apprised of the financial penalties related to academic fees that may be incurred if the assistantship starts after the beginning of the semester or is terminated before the end of the semester or session. Units making the appointment may include an attachment to the standard hiring proposal where it is necessary to specify duties and other requirements and terms of the appointment but may not alter the language of the standard hiring proposal.

Where students are to be continued (reappointed) for the next fiscal/academic year, each contract should be revised to reflect expectations for the coming year starting each July 1 (or in the case of appointments of less than 12 months, the start of the contract).

## Specifying duties

Work assignments for students should be clear and specific and should reflect a relationship to the student's academic program. Duties to be accomplished by any graduate assistant must be agreed upon in writing by the student and the faculty advisor (or supervisor).

At no time may a graduate assistant receive academic credit for the work assigned for the assistantship. Supervisors should make a clear distinction between the work to be performed for the assistantship and the work being performed toward completing the degree. For example, it would be unusual for time spent completing class assignments to be part of the duties of an assistantship. Hours spent on thesis or dissertation research would not routinely be considered part of assistantship duties unless the research and the assistantship are part of an externally funded research project and that research directly supports the work of the project.

Where duties require students to work outside the hours typically expected according to the appropriate University calendar (e.g., nights, weekends, holidays), the appointment letter should specifically describe these expectations.

## Maximum work hours

A typical graduate assistantship will require an average of 15–20 hours of service per week and this must be clearly described in the appointment letter. Projected hours per week should be in line with the stipend.

To remain in compliance with the Fair Labor Standards Act (FLSA), the Graduate School recommends that students should not normally conduct service work (research or teaching assistantships) more than 20 hours per week. This recommendation enables them to work on their own studies and research for at least the remaining 20-hours per work week. Requests for hours above 20 require approval from the Dean of the Graduate School. In no case will students be permitted to conduct service work on campus for pay more than 29 hours per week.

Graduate Program Directors in each graduate program are best informed to make these service assignments on an individual basis and should be responsible for monitoring that service expectations do not impede any student's significant progress toward their degree.

A student may have multiple graduate assistantships or hourly appointments by the University; however, it is the responsibility of the secondary employer to receive permission of the primary employer and the Graduate School prior to assignment of any additional work, and to

ensure that the maximum work load of 29 hours per week (20 hours per week for F-1 visa holders) is not exceeded.

Graduate assistants are not permitted to accept off-campus employment without permission from the Graduate Program Director and Dean of the Graduate School.

Graduate Assistants requesting to work more than 20 hours per week must fill-out the Exemption to 20-hours Requirement form.

## **Work calendar, University holidays, and leave**

Graduate assistants are expected to develop a plan with the department of employment in which they will meet the service obligation to which they have agreed. As with all professional employees, graduate students are expected to communicate with their employer in a timely manner if absences occur or if they are unable to fulfill their responsibilities.

Graduate assistants will be expected to work their average hours during the typical nine-month Academic Calendar, including during the exam period. Graduate assistants holding nine-month appointments are entitled to the official University holidays and/or breaks accorded nine-month faculty. Graduate assistants with 12-month appointments are entitled to the official University holidays accorded to 12-month administrative staff.

Graduate assistants are not required to work during the following circumstances:

- Fall Break, Spring Break and the holiday break between fall and spring semesters
- State holidays such as Thanksgiving (Thursday and Friday), Memorial Day, 4<sup>th</sup> of July, Martin Luther King, Jr. Day, etc.
- When the university is officially closed for emergencies

Any expected deviation from the typical calendar must be specified in the offer (e.g., being present to feed lab animals during holidays, working on weekends or at night, etc.) Graduate assistants do not accrue leave. They are expected to work typical hours per week according to the calendar specified by their program.

## **Leave without pay**

Graduate assistants may request up to four weeks of leave without pay per semester and one week of leave without pay per summer session for illness of a close family member, death in the immediate family, or personal illness or hardship. If leave without pay is not approved by the supervisor of the graduate assistantship, the graduate assistant may petition the Dean of the Graduate School for approval.

## **Parental leave**

A graduate assistant is eligible for up to six weeks of parental leave. The request for parental leave must be made to the department at least one month in advance, with notification provided by the department chair to the Dean of the Graduate School. The Graduate School encourages the department and student to work together to enable the student to maintain enrollment and employment status during this time. The Graduate School can help explore options on an individual basis.

## **Stipends**

At no time may a graduate assistant be paid less than the North Carolina Minimum Wage. The Graduate School does not currently regulate or cap assistantships as long as they exceed the minimum threshold. We expect that stipends should be commensurate with market, experience, and

skills, and should be equitable with other stipends within the department that involve similar responsibilities.

## **Payroll, I-9, and First Day of Work**

Graduate assistantships typically start at the opening of the semester, usually a week before classes begin. However, there may be good reasons why an assistantship should start before the semester begins, such as to provide preparation time for teaching a class, to provide training, to accommodate the timeline of a research project, to address administrative tasks that need to be completed prior to the start of the semester, etc. Appointments for new fall semester assistantships may therefore start as early as July 1. Regardless of start date, a student may neither begin a work assignment, nor be added to payroll unless an I-9 is on file.

Continuing graduate students enrolled and employed in the spring, who plan to continue their education in the fall, can remain in a student worker status during the summer, employed as either a graduate assistant or graduate hourly.

**Important Note:** The start of the fall semester (August Payroll) is the busiest time of the year to process payroll. Students assigned a start date and the student produces the mandatory I-9 prior to August 5 of any given year, that graduate assistant will not receive a paycheck until the end of September.

A new incoming graduate student may be hired as a temporary employee student prior to July 1. On July 1, that student will convert to Graduate Assistant status.

## **Fees as a graduate assistant**

A student on an assistantship must pay fees for graduate students as listed on the Cashier's Webpage.

## **Student Responsibilities to Maintain a Graduate Assistantship**

### **Minimum enrollment**

To hold a graduate assistantship, a student must maintain full-time status. (Faculty advisors may request an exception to this policy by clicking here (<https://forms.gle/EcGFhx39ZnR9Q1GM9/>).) Students on assistantship are not required to enroll in summer courses.

- Undergraduate courses required by the program of study will not be considered to satisfy this requirement.
- The Graduate School reserves the right to disallow a student who is not enrolled full-time to receive an assistantship.
- Summer school is not supported by state appropriations; therefore, no tuition support is available for summer enrollment, nor are students expected to enroll.

### **Performance and good standing**

To remain eligible to continue receiving assistantship support, students must be in compliance with all policies contained in the Graduate School Policies & Procedures section of the *Catalog* and policies from the department/program awarding the assistantship.

- Students must maintain minimum enrollment levels, maintain at least a 3.0 GPA, make satisfactory progress toward the degree, perform at a high level in the assistantship duties, and follow all other expectations of conduct appropriate to a graduate student.

- Failure to comply with these expectations can result in loss of support and other sanctions outlined in the Catalog. Conduct, ethical, and integrity violations can lead to immediate termination of the assistantship as well as other sanctions outlined in the Catalog.

## Health Insurance Contribution

As determined by the UNC Board of Governors, all students enrolled at UNCG are required to have verifiable health insurance coverage. Students who have private health insurance should visit Student Blue (<https://shs.uncg.edu/student-insurance/>) for information on opting out of the UNCG Plan. Graduate Assistants who receive the minimum stipends listed below AND are receiving full tuition support are eligible for a Graduate School contribution towards their premium if they have elected NC Student Blue. The amount available fluctuates each year.

### Minimum Stipend Levels to Trigger Health Insurance Support

- \$6,000 per year for Master's students
- \$8,000 per year for MFA students
- \$9,700 per year for Doctoral students

## Renewal of Assistantships

Although programs try to support graduate students through the average length of program, graduate assistants have no right to continuing support beyond the term of a current appointment. Renewal of an assistantship can only occur where funds are available, and where performance during the prior appointment has been reviewed and found to be acceptable.

When graduate assistants are not performing within acceptable standards, we encourage supervisors to communicate feedback to students in writing early and often during the appointment.

Because graduate students often rely upon support from assistantships, it is ideal to communicate intent to renew or to not renew an assistantship as early as is practical.

## International Student Employment

International graduate students are required to hold proper immigration status before any assistantship can be paid or attending benefits ensue. Special employment regulations for international students are governed by the Code of Federal Regulations and the Department of Homeland Security/U.S. Citizenship and Immigration Services (USCIS). To ensure compliance with the Code of Federal Regulations, detailed information about international student employment and procedures for applying are available in the International Programs Center (<https://international.uncg.edu/>).

### Speaking Proficiency for International Graduate Teaching Associates

UNCG complies with North Carolina System requirements to assure that all instructional activities are conducted by individuals possessing appropriate proficiency in written and oral use of the English language. Instructional activities include lectures, recitation or discussion sessions, and laboratories. The individuals to be certified include graduate students for whom English is not the first language. (See English Proficiency under International Applicants in Section I.)

## Social Security Card for International Students

Every student with an F student visa or M student visa who is granted employment authorization by the U.S. Citizenship and Immigration Services (<https://www.uscis.gov/>) (USCIS), needs a Social Security Number. For information on how to apply for a Social Security Number, click here (<https://studyinthestates.dhs.gov/obtaining-a-social-security-number/>). International Students shall not begin work until they have obtained a Social Security Number and produced this for I-9 verification. Please visit the International Program Center (<https://international.uncg.edu/international-students-and-scholars/>) for more information.

New international graduate assistants assigned as an instructor of record may not be eligible to work at the start of the semester. The student should notify their supervisor if there is need to cover instructional duties for a short period of time.

## Hourly Off-Campus Employment for International Students

Permission for off-campus employment must first be requested through the International Programs Center. Off-campus employment generally is unavailable to international students during the first academic year and should not be considered as a means of financial support.

Students with F-1 visas may apply to the USCIS for limited off-campus work authorization after their first year of study.

## Fellowships

Fellowships are monetary awards that require no service or work from the student. Fellowships may be institutionally awarded (through the Graduate School or through one of UNCG's graduate programs) or they may be externally awarded and brought to UNCG. Fellowships are awarded by government agencies (federal, state, local), private foundations, industries, professional groups, and others. The Graduate School maintains a list of available fellowships on its website that includes information on many prominent external fellowships.

Students do not apply for UNCG Graduate School Fellowships; they are nominated for consideration by faculty. Typically, fellowships are awarded on merit and some require demonstrated financial need.

Unless otherwise stipulated by the grantor and/or donor, holders of fellowships or traineeships are required to maintain full-time status.

Fellowship recipients are eligible for appointment as graduate assistants. For students simultaneously holding fellowships or traineeships and assistantships, the normal department stipend should be provided. The non-service fellowship is in addition to the stipend.

Most UNCG Graduate School Fellowships are for one year only. Departments may request that the total amount of the fellowship be paid out over a specified number of years. Fellowships may be withdrawn at any time for failure to maintain satisfactory academic status or for violating University policies.

Please see the Graduate School Webpage on Fellowships (<https://grs.uncg.edu/financial/fellowships/>).

## Tax liability

Tax laws change every year and in unpredictable ways, at both the federal and state/local level. Students receiving any financial aid, including assistantships and fellowships, fee waivers, and other support, should

consult a qualified tax liability tax advisor. The Internal Revenue Service offers guidelines for tax responsibility for fellowship and other stipend awards under the topics "Scholarships, Fellowship Grants, Grants, and Tuition Reductions" (for U.S. citizen students) and under the topic "Taxation of Non-resident Aliens" (for non-U.S. citizen students). The Graduate School is not authorized to provide tax advice.

## Tuition Support

Requests for tuition remission and in-state tuition awards are initiated by the academic program in which the student is enrolled. Tuition remission and in-state tuition awards are available fall and spring semesters only. No summer awards are made.

Units making GA appointments may, at their discretion, recommend partial tuition support in proportion to the hours worked (e.g., a 10-hour assistantship may be assigned a 50% tuition award; a 15-hour assistantship may be assigned a 75% award, etc.). This must be communicated as part of the hiring proposal and contained in the appointment letter signed by the student.

## Out-of-State Students

Out-of-State students must be awarded a fellowship or assistantship appointment of at least \$2,000 to be eligible for a Tuition Remission Award, which reduces tuition to in-state rates. If awarded, the out-of-state tuition differential will be paid on the student's behalf for the first year of an assistantship. Students are expected to make a good faith effort to obtain NC residency by the end of the first year. International students on an F1 Visa are exempt from this expectation.

Out-of-State students who are awarded a Tuition Remission Award may also be eligible for an In-State Tuition Award. The combination of these two awards covers all tuition, but students remain responsible for University fees.

Out-of-State students may not be awarded an In-State Tuition Award unless they have already been awarded a Tuition Remission Award.

## In-State students

In-State students are not required to hold an assistantship or fellowship appointment to be eligible for an In-State Tuition Award. The amount awarded may range from covering the cost of 1 credit hour through full-time. The amount indicated on the hiring proposal is placed on the student's account. If a student registers for more credits than the award covers, the student will be billed for the difference. These are non-service awards.

Additional financial policies and procedures can be found on our Financial Information (<https://grs.uncg.edu/financial/>) website.

## Eligibility

Students must meet the following criteria to qualify for tuition remission and/or in-state tuition awards:

1. Students must be degree-seeking and full-time. Certificate students are ineligible.
2. Out-of-State Students enrolled in doctoral, doctoral track, or stand-alone master's programs must receive at least the state-mandated minimum stipend of \$2,000.
3. Students must maintain academic good standing, 3.0 GPA or above.

Important note: Students determined at any point in the semester to no longer meet the eligibility requirements to receive a tuition remission

and/or in-state tuition award will have the full amount of any tuition remission and/or in-state tuition award rescinded and are then personally responsible for paying the full cost of tuition for that semester.

## Duration of Graduate School Support

- Stand-alone master's program students should not expect tuition remission and/or in-state tuition awards beyond four semesters.
- MFA students should not expect tuition support beyond the expected number of semesters to completion. Some programs are four semesters, others six semesters.
- Doctoral students (or students in doctoral track sequence programs) should not expect tuition remission and/or in-state tuition awards beyond ten semesters. (Departments with students who complete a stand-alone master's program and are subsequently admitted to a doctoral program may petition the Graduate School for additional semesters of support.)

Individual programs are permitted to grant additional semesters of tuition support provided Graduate School funding sources are not used. Semesters in which the student does not receive a tuition award from the Graduate School do not count toward the semester limits.

Students who are enrolled in an academic program, do not complete the degree, and later enroll in a different program are only eligible for the maximum semesters of eligibility as noted above during their enrollment at the University.

## Financial Consequences of Academic Actions

### Termination of Assistantships

Termination of an assistantship is different than non-renewal. Non-renewal of an assistantship refers to a situation in which a student completes an appointment and is not offered another. Termination of an assistantship refers to a situation where an assistantship is ended prior to the end of the appointment. Termination may be initiated by the Department, the Graduate School, or the student. Termination of an assistantship can have significant and permanent consequences for a student and should only be undertaken after clear feedback on deficiencies and attempts to assist the student in meeting expectations.

### Financial Liability From Loss of Assistantship

Stipend payments will cease immediately upon termination of an assistantship, regardless of the reason for termination. Any pay received erroneously more than the contracted amount or after termination of the assistantship must be returned to UNC Greensboro.

Students who have received a tuition remission and/or in-state tuition award who resign or are terminated from their University assistantship prior to the end of the semester (for personal, financial, medical, or any other reason) will have the full amount of their tuition remission and/or in-state tuition award rescinded and are then personally responsible for paying the full costs of tuition for that semester. Tuition remission and/or in-state tuition awards are not prorated.

Appeals to the above policy must be directed to the Graduate School, along with a written recommendation from the Dean, Department Head, or Graduate Program Director for the student's academic program, and a letter of confirmation from Student Health Services if the resignation is for medical reasons.

For international students who are required to have an assistantship to maintain immigration status or students required to maintain an assistantship for other reasons, loss of an assistantship may change the ability to continue studies at UNCG. Loss of an assistantship may also change eligibility for certain forms of financial aid. It is the student's responsibility to understand these implications and work with appropriate offices where necessary.

## Termination by Student

Graduate students who decide to terminate their assistantship appointments should consult with the assistantship supervisors as soon as possible – and if possible, at least two weeks prior to termination – to ensure a smooth transition in hiring a replacement graduate assistant. The notice of termination, prepared by the student, should be both verbal and written. Withdrawing from the University (that is, withdrawing from all classes) will result in the termination of an assistantship. International students should consult with appropriate offices relating to immigration/visa status if considering this option.

## Termination for Academic Deficiency

An assistantship may be terminated for academic deficiency if a student drops below the minimum credit hour requirement or fails to meet other academic requirements as described under Academic Good Standing under Eligibility to Remain in Graduate School in Section I. Any student placed on probation will be terminated from their assistantship by the Graduate School. Students may lose their assistantship without being dismissed from the University.

## Termination for Failure to Perform Duties

If, in the opinion of the immediate supervisor of the graduate assistant, a student is not carrying out the duties of their assistantship satisfactorily, the supervisor will immediately provide feedback to the student and attempt to resolve the problem. All conversations and feedback will be documented and placed in the student's written record with a copy provided to the student. If the student's performance remains unsatisfactory, the student will receive a written warning from the department chair (or designee) delivered through official UNCG email detailing the nature of the problem.

If, after this formal warning, the student fails to improve to reasonable standards, the department chair will give the student a written notice of termination of assistantship. This letter of termination will be sent to the student through official UNCG email and will specify the date of termination and any requirements for vacating the position. At least two weeks should elapse between the written warning and the notice of termination. The Dean of the Graduate School will be notified of the termination.

## Termination for Cause

An assistantship may be terminated without notice for serious violations of UNCG's community norms and values, including violations of the Academic Integrity Policy. Allegations regarding violations of this nature should be referred to the appropriate disciplinary body. If a student is unable to perform their duties resulting from violations such as these, their assistantship shall be suspended pending completion of due process. A student suspended from their assistantship but found not to be guilty of the alleged violations shall be reinstated in good standing and reimbursed for lost assistantship revenue.

## Termination Due to Loss of External Funding or Financial Exigency

A sudden or unexpected loss of funding from either an external funding source or (in very rare cases) a dramatic change to the University budget environment may result in the termination of an assistantship. While the University works diligently to reduce the probability of this outcome, it is possible that unexpected developments could require this step. Unexpected loss of external funding cannot be used to justify termination of assistantships not directly funded by that project.

Should the University receive notification that research funding will be discontinued, the affected graduate students will be notified with as much advance notice as possible. Departments shall make every effort to secure funding to enable affected students to continue throughout the current semester.

## Adding a Course

Students who have received a tuition remission and/or in-state tuition award that is less than nine (9) credit hours and registers for more than the amount awarded may contact their Graduate Program Director to see if funds are available to cover the additional costs. If funds are not available, the student will be billed and is responsible for paying for the additional credits.

## Dropping a Course

Students who have received a fellowship, tuition remission, and/or in-state tuition award who drop a course at any point in the semester will be re-evaluated to ensure that they still meet the eligibility requirements to receive financial support.

Students who meet the eligibility requirements and for whom the reduction in credit hours occurs before the census date (generally two weeks after classes begin) may have their financial account adjusted with no penalty. Please consult the Graduate School about the consequences of dropping a course after the census date.

## Withdrawal

Withdrawal from the University constitutes an immediate termination of support. (See Termination by Student above.)

## Hourly on-campus Employment

Nonacademic employment opportunities are available on-campus on a first-come, first-considered basis. Once all appropriate requirements are met, applications may be made directly to the hiring source.

## Protections

Graduate students at UNCG are future colleagues and should be treated with respect befitting that status. Students are entitled to a workplace free from harassment and/or discrimination. If students feel they have been subject to a hostile work environment, harassment, discrimination, abuse, or have any other concern about working and academic conditions, they should contact the Office of Equity, Diversity, and Inclusion (<https://diversity-inclusion.uncg.edu/>), Office of Human Resources (<https://hrs.uncg.edu/>), or the Dean of the Graduate School.

It is considered misconduct for individuals to enter into a romantic or sexual relationship with any student for whom they currently serve in an evaluative, directing or supervisory role, or in circumstances where the student is part of a group of students whom they oversee, regardless of whether the relationship is consensual.

## **UNCG Policy on Discrimination and Harassment**

UNCG is committed to equal opportunity in education and employment for all persons and will not tolerate any discrimination against or harassment of persons on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, genetic information, veteran status, disabling condition, or age.

## **Section III: Summary of Graduate School Regulations for All Certificates and Degrees**

### **Graduate Certificates**

A graduate certificate provides a credential to document the acquisition of skills and knowledge in a narrowly focused subset of a broader field. Certificates may provide a credential in the focus area with as few as nine (9) and as many as twenty-seven (27) credit hours. Certificates may be pursued independently, or degree-seeking students may choose to embed a certificate within their plan of study.

Students may be interested in gaining both a graduate degree and a certificate credential. Students must be admitted to both programs. A matriculated, degree-seeking student who is concurrently pursuing a certificate may apply academic credit to both the certificate and degree programs. The certificate functions as an area of specialization, like a minor. Enrolled students do not have to pay the application fee to pursue a concurrent certificate.

All students must apply to and be accepted by Certificate Programs.

Students who have graduated and then later discover they have fulfilled requirements for a certificate may neither apply for that certificate, nor be awarded it.

Graduate certificates do not automatically qualify for federal financial aid unless the certificate has been approved through the gainful employment requirements.

### **Summary of Requirements for Certificates**

- Full admission to a certificate program.
- A plan of study submitted to the Graduate School when applying for graduation.
- Satisfactory completion of all course requirements.
- A minimum GPA of 3.0 in all certificate courses and a minimum overall GPA of 3.0.
- Payment of the graduation fee.

### **Semester Hours Required for Certificates**

In general, certificate programs range between twelve (12) to eighteen (18) semester hours of graduate courses with at least half of this course work at the 600-level or above. No certificate may require fewer than nine (9) hours. A certificate program may petition for a 9-credit program if that number of credits is associated with external demands. No more than three (3) semester hours with a grade of C+ (2.3) or C (2.0) will count towards a certificate.

All courses for a certificate will be letter graded except for internships, practicums, independent projects, or clinical work.

### **Plan of Study for Certificates**

The course work comprising the certificate program must be an integrated and organized sequence of study.

### **Independent Study for Certificates**

Independent Study is not permitted for certificate students.

### **Transfer Credit for Certificates**

Subject to time limits, a maximum of three (3) semester hours of transfer credit will be accepted toward a certificate upon recommendation of the department. (See Transfer Credit under Course Credit in Section I for more information.)

## **Master's Degrees**

### **Summary of Requirements for Master's Degrees**

- Full admission to a master's degree program.
- Submission of plan of study to the Graduate School prior to 50% of program completion.
- Satisfactory completion of all course requirements.
- Achievement of the required B (3.0) GPA overall: for courses listed on the plan of study, and, if required by the department, for the major.
- Minimum requirements for the degree: no more than six (6) semester credit hours evaluated as C+ (2.3) and/or C (2.0).
- Completion of all milestone requirements: as required by degree program (foreign language, comprehensive exams, etc.).
- Capstone Experience: at the discretion of individual programs, may include some combination of (a) comprehensive written or oral examination, (b) thesis or research paper, (c) portfolio, (d) creative work, and/or (e) internship experience.
- An application for graduation and the final Plan of Study filed with the Graduate School by the end of the first week of classes of the term in which the degree will be granted.
- Payment of the graduation fee.
- Payment of all accounts owed the University: diplomas and transcripts of students owing money to the University withheld until the account is cleared.

All the requirements above must be met by the deadlines stated in the Academic Calendar. Some special programs may have additional requirements not listed above but explained in materials supplied by the major department or school.

### **Requirements for Master's Degrees**

#### **Plans of Study for Master's Degrees**

The Plan of Study sets the specific requirements for the degree as determined by the advisory committee, consistent with the specific program guidelines and Graduate School policy. These credits constitute the core of each student's graduate degree curriculum.

The Plan of Study must be signed by the student and Graduate Program Director/designee at the earliest practical time following the student's admission to the Graduate School, but no later than 50% of the program's completion. The plan must indicate the following:

- All courses the student is expected to complete as a minimum requirement, including courses required for the major, supporting courses, number of elective hours, and courses recommended for transfer.

- Courses required by the department but not counted toward the degree, including prerequisite courses.
- No more than six (6) semester hours of independent study.
- No more than six (6) semester hours of credit evaluated as C+ (2.3) and/or C (2.0) applied toward the minimum hours required for the degree.
- At least one half of the course work credited toward the degree must be in 600-level courses or above.
- Capstone Experience.

Credit earned for STA 667 Statistical Consulting is not applicable to a graduate plan of study.

Undergraduate courses or courses not required on the POS are not eligible for financial aid or state funding.

### **Language Requirements**

The following degree programs require demonstration of foreign language proficiency: History M.A., English M.A., Music M.M. (voice and conducting), and French/Spanish M.A., M.Ed. and M.A.T. Specific requirements are stated under the respective departmental program description in the *University Catalog* and further defined in department handbooks. Exceptions to any language requirement are made at the discretion of the major department.

### **Capstone Requirement**

A capstone experience is a complex assignment that involves many steps and serves as a culminating academic and intellectual experience at the end of an academic program. Typically, capstones provide evidence of synthesis and evaluation. The capstone experience may comprise a comprehensive written or oral examination, thesis or research paper, portfolio, creative work, internship, or some combination of these courses.

Institutional Review Board (IRB) approval is required for research involving human subjects. In addition, both the supervising faculty member and the student researcher must have a current CITI certificate on file with the Office of Research and Engagement. For students whose research involves animals, Institutional Animal Care and Use Committee (IACUC) approval is required. Required approval must be obtained prior to initiating any such research with these populations.

Capstones should be completed in the final stages of the master's degree.

If a failing grade is given on the first attempt to satisfy the capstone requirement, the student may be allowed one additional attempt, with permission of the Graduate Program Director. If the student fails to meet the department's minimum criteria for the capstone experience on the second attempt, the GPD shall notify the Graduate School will subsequently send the student a letter of dismissal from the program.

Maximum credit allowed for Capstones is six (6) hours. Additional extension hours may be required to maintain continuous enrollment but do not count toward the degree, do not qualify the student for graduate school support, and are ineligible for financial aid.

### **Specific Requirements for Thesis Students**

Students propose and prepare a thesis under the guidance of a thesis committee comprising a chair and at least one other member appointed by the Graduate Program Director. The chair must be a full member of the Graduate Faculty; other committee members may be adjunct members. Although all members of the committee may come from the

major department, appointment of one member from another department is allowed.

An oral examination on the thesis may be required at the discretion of the major department or school, either for the individual or all students in a thesis program.

The process for submitting the approved thesis to the Graduate School has two components: 1) Submitting the approval copy and 2) Submitting the final copy. Specific instructions affiliated with each step are available on the Graduate School's website (<http://grs.uncg.edu/enrolled/etd/>); deadline dates are available in the Academic Calendar (<https://reg.uncg.edu/calendars/>).

Students submit their thesis via the online submission system available on the Graduate School's website (<http://grs.uncg.edu/enrolled/etd/>). The submission must conform to UNC Greensboro's formatting requirements and must be uploaded by the deadline dates as specified in the Academic Calendar. The Graduate School requires all approved theses to be published through UMI Dissertation Publishing/ProQuest Information and Learning. There is no charge for basic publishing; however, optional services requested by the candidate during submission may have associated charges.

### **Examinations**

If the capstone for a master's program is a written or oral exam, the student register during the semester(s) in which exams are graded. The Graduate School permits examinations to be rescheduled or held via distance technologies in cases of extreme hardship. The department head will ensure that all participants agree with the chosen format.

### **Transfer Credit and Cross-registration for Master's Degrees**

(See Transfer Credit under Course Credit in Section I for more information.)

At the master's level, credit may be given for graduate work taken at other institutions, but certain conditions must be met:

- It must be approved both by the student's major department and by the Dean of the Graduate School.
- It must be necessary to meet specific degree requirements.
- Transfer credit may not exceed one-third of the minimum number of hours required by the student's program not including thesis or capstone hours.
- Cross-registration at other UNC institutions, in combination with transfer credit, may not exceed 50% of the total hours required by the student's program.
- All credit offered in transfer must have been taken at an accredited graduate school and not have been used to complete the requirements for a previously-earned degree.
- Such work must have been taken within the five-year time limit.
- The student must have earned a grade of B (3.0) or better on all transfer credit. In a four-letter grading system, only credit earned with either of the top two grades is transferable. The transfer of credit where a grade of P or its equivalent is received in a two- or three-letter grading system (such as P-F, S-U, or H-P-F) reduces hour for hour the number of C grades earned that may count toward the minimum requirement for the degree.
- The credit must be recorded on an official transcript placed on file with the Graduate School.

Hours only, not grades, may be transferred from other institutions. When grades are provided for cross-registered courses, the grade will factor into the GPA. Quarter-hours do not transfer as semester hours. A fraction of an hour of credit will not be transferred. See sample below:

- 2      quarter hours transfer as 1 semester hour.
- 3-4    quarter hours transfer as 2 semester hours.
- 5      quarter hours transfer as 3 semester hours.
- 6-7    quarter hours transfer as 4 semester hours.
- 8      quarter hours transfer as 5 semester hours.
- 9-10   quarter hours transfer as 6 semester hours.

Students must secure approval from their major advisor and the Dean of the Graduate School in advance of registration at other universities. In general, however, not less than two-thirds of the total program for the master's degree must be completed at The University of North Carolina at Greensboro.

All credit to be transferred must come within the time limit described above and must be supported by filing an official copy of the transcript with the Graduate School. No credit will be transferred unless it is required to meet specific degree requirements.

No more than three (3) semester hours of institute and workshop credit may be counted toward satisfying the minimum requirements for the master's degrees.

## **Master of Fine Arts Degrees**

M.F.A. programs are specialized graduate programs that focus on the actual practice of a creative skill. This concentrated professional degree is intended to provide the student with an advanced education prior to becoming a practicing professional. MFA students produce creative work throughout the program; capstone projects are expected to demonstrate a high level of professional competence and maturity.

M.F.A. degrees are typically sixty (60) credit hours. Admission is based on a combination of undergraduate academic history, professional experience, and demonstrated creative skill.

UNCG offers M.F.A. degrees in Creative Writing; Dance with a concentration in choreography; Drama with concentrations in Acting, Directing, Design; and Theatre for Youth; Interior Architecture; and Studio Arts.

### **M.F.A. Requirements**

#### **Plan of Study M.F.A. Degrees**

The Plan of Study will determine specific requirements for the degree as determined by the advisory committee, consistent with the specific program guidelines and Graduate School policy. These credits constitute the core of an M.F.A. graduate degree curriculum. The Plan of Study must be signed by the student and Graduate Program Director at the earliest practical time following the student's admission to the Graduate School, but no later than the registration period during the second semester of enrollment. The plan must indicate the following:

- All courses the student is expected to complete as a minimum requirement, including courses required for the major, supporting courses, number of elective hours, and courses recommended for transfer.

- Courses required by the department but not counted toward the degree, including prerequisite courses.
- No more than six (6) semester hours of independent study.
- No more than six (6) semester hours of credit evaluated as C+ (2.3) and/or C (2.0) applied toward the minimum hours required for the degree.
- At least one half of the course work credited toward the degree must be in 600-level courses or above.
- Capstone Experience.

#### **Capstone Requirement for MFA**

Each candidate for the M.F.A. should be required to present a final body of work or culminating performance demonstrating professional competence in the field. A written document or thesis that demonstrates a student's ability to think critically and contextualize their work historically and/or theoretically and within the landscape of contemporary practices is a requirement of some programs, but the focus of the capstone experience should be creative or visual work.

Unless otherwise specified, M.F.A. students are subject to the academic policies associated with master's degrees.

## **Doctoral Degrees**

A doctoral degree is the highest degree a student can earn for graduate study. Course work leading to the doctoral degree is planned to give students a comprehensive knowledge of their field of specialization and a proficiency in the methods of research. The final basis for granting the degree is their grasp of the subject matter across a broad field of study, their competence in planning and conducting research, and the ability to express themselves adequately and professionally both orally and in writing. Only the dissertation committee can certify that they have earned this degree.

UNCG offers two classifications of doctoral degrees. The Ph.D. is classified as doctoral degree of research and scholarship. The D.N.P., D.M.A., and Ed.D. are classified as a doctoral degree of professional practice.

Many doctoral programs require students to have previously earned a master's degree. Some doctoral programs allow students with a bachelor's degree to matriculate directly into the doctoral degree program; others are admitted through a doctoral track program.

## **Master's Doctoral Track Permission to Proceed**

A student admitted to the Graduate School into one of the doctoral track programs is required to earn a master's degree. Upon completion of 30 credit hours, the Graduate Program Director must evaluate each doctoral-track student and submit the Recommendation to Proceed Beyond Master's Degree Form to the Graduate School for each student who is considered qualified and recommended for doctoral study. Students who are recommended to continue in the doctoral program are not required to file a separate application with the Graduate School. Students recommended to continue are subject to the same examination policies of all doctoral students. Students are coded into Banner as master's students until the master's degree is awarded. At that time, students who have been recommended to continue will be moved to doctoral pre-candidate status in Banner.

## **Doctoral Degrees of Research and Scholarship**

These are doctoral degrees that require advanced work beyond the master's level, including the preparation and defense of a dissertation

based on original research, or the planning and execution of an original project demonstrating substantial artistic or scholarly achievement.

### **Doctor of Philosophy (Ph.D.)**

The degree of Doctor of Philosophy is conferred upon those students who have completed, with high distinction, a prescribed period of intensive study and investigation culminating in an original dissertation offering a significant new contribution to knowledge in their subject.

A Ph.D. may be earned in Business Administration, Chemistry and Biochemistry, Communication Sciences and Disorders; Community Health Education; Computational Mathematics; Computer Science; Consumer, Apparel, and Retail Studies; Counseling and Counselor Education; Economics; Educational Research, Measurement and Evaluation; Educational Studies; English; Environmental Health Science; Geography; History; Human Development and Family Studies; Information Systems; Kinesiology; Music Education; Nanoscience; Nursing; Nutrition; Psychology; Social Work, and Special Education.

### **Doctor of Musical Arts (D.M.A.)**

The Doctor of Musical Arts degree program is a performance-oriented degree offered only in the School of Music. The requirements of the Graduate School apply to the Doctor of Musical Arts; however, due to the highly specialized nature of the degree, the student should consult the Graduate Program Director in the School of Music and the D.M.A. Graduate Handbook (<https://vpa.uncg.edu/wp-content/uploads/2019/09/DMA-Handbook-8-2019.docx>) for specific requirements and procedures.

### **Doctor of Education (Ed.D.)**

The major premise of the Doctor of Education degree program is that students receive depth in subject matter as well as professional development. Therefore, the program is purposely flexible, allowing the students to develop, with their advisory committee, a course of study best suited to their ability, experience, and major professional goal. It is expected that each student will make a significant research contribution to the discipline culminating in a scholarly dissertation. An Ed.D. may be earned in Educational Leadership or in Kinesiology.

## **Doctoral Degrees of Professional Practice**

These are doctoral degrees that are conferred upon completion of a program providing the knowledge and skills for the recognition, credential, or license required for professional practice or teaching. Dissertations for these doctoral degrees require the planning and execution of an original project demonstrating substantial artistic or scholarly achievement following disciplinary norms. They often focus on applying existing knowledge and theories in original ways. The dissertation for the D.M.A. comprises live performance with written scholarship.

### **Doctor of Nursing Practice (D.N.P.)**

The Doctor of Nursing Practice degree program is an applied degree offered only in the School of Nursing. The requirements of the Graduate School stated below apply to the Doctor of Nursing Practice; however, due to the highly specialized nature of the degree, students should consult the *University Catalog* for information regarding the specific requirements and procedures for the Doctor of Nursing Practice (p. 759).

## **Minor**

Certain doctoral programs may permit, encourage, or require a minor, which is a formalized curricular sequence of advanced work in one or more areas outside the major field but cognate to it. Students should ask the chair of their advisory/dissertation committee if a minor is

appropriate or required. The minor must consist of at least 12 hours of study. The student's advisory/dissertation committee approves the minor, and it must appear on the doctoral plan of study.

For information concerning the doctoral minor in educational research and methodology, human development and family studies, information systems, and statistics, see the relevant academic programs.

## **Concurrent (embedded) Certificates**

Students may pursue a graduate certificate concurrently with their doctoral program. Courses taken as part of a certificate program may also satisfy degree requirements. Certificates function similarly to a cognate, which is a minimum of nine (9) hours of course work organized around a narrow subfield. Certificates provide doctoral students with the ability to earn enhanced credentials. Enrolled students do not have to pay the application fee to pursue a concurrent certificate.

## **Summary of Requirements for all Doctoral Degrees**

- Admission to a doctoral program, including the removal of any deficiencies identified at the time of admission.
- An initial academic advisor assigned upon receipt of the intent to enroll form.
- An approved advisory committee: filed in the Graduate School by the end of eighteen (18) semester hours.
- An approved plan of study: signed by the GPD and all other committee members and filed in the Graduate School by the end of eighteen (18) semester hours.
- Completion of all milestone requirements (e.g. language, research, exams).
- Completion of the immersion requirement.
- Completion of any required diagnostic qualifying examination.
- Completion of all course requirements in the student's approved program of study.
- Completion of the comprehensive written and oral examination and any required additional work resulting from this examination.
- Formation of an approved dissertation/project committee with an assigned chair/document mentor: filed in the Graduate School before a student may defend the proposal.
- Acceptance of a dissertation/project proposal: the approved topic filed in the Graduate School.
- Admission to candidacy upon the satisfaction of the requirements above (formal application to be made in the Graduate School).
- Submission of a dissertation/document acceptable to the dissertation/project committee.
- Satisfactory public oral defense of the dissertation.
- Acceptance of the dissertation by the Graduate School. (Submission requirements differ for each type of doctorate; students should consult their Graduate Program Director.)
- Application for graduation with the Graduate School: filed by the end of the first week of classes of the term in which the degree will be granted.
- Payment of the graduation fee.
- Payment of all accounts owed in the University: diplomas and transcripts of students owing money to the University withheld until the account is cleared.

The requirements above are the minimal requirements of every doctoral program at UNCG and must be met by the deadlines stated in the Academic Calendar. Detailed explanations of these minimum

requirements follow. Some programs may have additional requirements not listed above but are explained in detail in the specific doctoral program handbook. Students are expected to familiarize themselves with all program requirements.

## Admission to Doctoral Programs

Admission to a doctoral program may occur in one of three ways:

- Some programs may permit admission to a doctoral-track program directly from an undergraduate program in the case of exceptionally well-qualified applicants. The department will notify students if they are to move seamlessly into doctoral-level course work. The Graduate Program Director must file the Permission to Proceed to Pre-Candidacy Status. The decision to continue (or not) must be made no later than the completion of thirty (30) credit hours. Students in doctoral-track programs who are not allowed to continue may be awarded a master's degree if the student has completed all requirements of the stand-alone master's degree.
- A student who has been awarded a master's degree from UNCG, but is not in a doctoral-track program, must file an application and be admitted to a doctoral program.
- A student who has been awarded a master's degree from another institution must apply and be admitted to a doctoral program. The program will either administer a set of diagnostic exams, or carefully examine syllabi to determine which courses from the master's degree may apply to the doctoral plan of study.

In addition to satisfactory entrance examination scores and recommendations (explained in the application materials), final approval of the major department or school and of the Dean of the Graduate School are required.

Admission to doctoral programs is highly competitive. At times, academically qualified applicants may be denied due to program capacity constraints.

Admitted students are placed in Pre-Candidate Status. Pre-Candidates acquire knowledge and tools needed to undertake original and independent research. They are exposed to the breadth of content in their discipline and learn the associated research theories and methods to focus intensively on a narrow and original area of research. A student achieves candidacy [all but dissertation (ABD)] upon completion of all pre-candidacy milestones.

## Academic Advisor(s) and Committees

The Graduate Program Director is assigned as the initial Academic Advisor and is expected to guide the student in the selection of course work until the academic advisory committee is formed.

### Academic Advisory Committee and Chair

The Academic Advisory Committee must be appointed, and the appointment form submitted, no later than the close of the registration window for the second semester of study (prior to the completion of eighteen (18) hours. The Academic Advisory Committee is appointed by the Dean of the Graduate School upon the recommendation of the major department head and must be mutually acceptable to the student and all committee members. This committee may be comprised of only one member of the Graduate Faculty. Any other members of the department who are also members of the Graduate Faculty may serve on an Academic Advisory Committee. The Academic Advisory Committee may mentor the student in all aspects of the program until the Dissertation Committee is formed and approved.

## Doctoral Committees

The minimum number of faculty required for all doctoral committees is three, with the majority from the program. The chair must be from the department and a member of the graduate faculty; adjunct members may serve but may not chair. Individual programs handle committee assignments in the manner that best suits progress to degree completion for that discipline. It is not unusual for a student to have an **academic advisory committee** who guides the student in the pre-candidacy phase and a final **dissertation committee** with the expertise to guide and mentor the specific topic of dissertation research.

Faculty serving on committees are expected to approve the Plan of Study; evaluate any diagnostic or qualifying exams; rule on special programmatic decisions and policy applications; prepare, approve, and evaluate the comprehensive (written and oral) examination; guide the dissertation; and, serve as the examining board for the oral defense. Depending on department culture, these responsibilities may be extended beyond the student's committee. However, only the approved Dissertation Committee has the authority to determine if the proposal has been accepted and the dissertation defense has passed.

### Dissertation Committee and Chair

The Dissertation Committee, comprising at least three graduate faculty (with a suggested maximum of five), should be finalized prior to the defense of the dissertation proposal. The Chair serves as the primary mentor and in consultation with the committee, guides the student in the preparation of the dissertation proposal, the dissertation itself, and conducts the final oral examination (dissertation defense). Only the Dissertation Committee may accept the dissertation proposal and determine the results of the dissertation defense.

Programs will determine whether a member outside of the discipline is required or not. The Dean of the Graduate School appoints this committee upon the recommendation of the major Department Head or Graduate Program Director and must be mutually acceptable to the student and all committee members. Of the three members, the chair must be from the program department, and at least two must be Members of the Graduate Faculty. An appointment as a Courtesy Member of the Graduate Faculty must be made for any member from outside the University.

Individual doctoral programs may have additional dissertation committee requirements. Students should consult the program handbook for specific details.

The Graduate Program Director coordinates committee appointments and adjustments and is ultimately responsible for ensuring compliance with Graduate School policies. (See Policy on Appointment to the Graduate Faculty (<https://drive.google.com/file/d/13orBJE9NBnO-YcGtzVbYHoSqZYsPky3o/view/>) for further details).

Students and Faculty may wish to consult the document Best Practices in Advising and Mentoring Graduate Students (<https://grs.uncg.edu/wp-content/uploads/2019/09/Best-Practices-in-Graduate-Mentoring.pdf>). This document contains the formal policies and procedures that govern these relationships and conveys general expectations for both faculty and students.

## Doctoral Requirements

### Research Competence

Research and innovation are central to doctoral education. Therefore, competence in research is required of all doctoral students. Whereas the specific requirements will vary from field to field and according to

the student's professional objective, the plan of study must provide for proficiency in techniques of research that not only are appropriate to the field of study but also will help prepare prospective holders of the doctorate to continue their intellectual and professional growth.

### **Language Requirement for the Ph.D. in English, History and the D.M.A. in Music**

Doctoral students in English, History, and Music (voice and conducting) each have foreign language requirements. Students should consult their program handbook for detailed information on how to satisfy this requirement.

The language requirements must be passed prior to the comprehensive examinations and prior to admission to candidacy.

The language or languages used to satisfy a language requirement must be approved by the student's major advisor. French, German, and Spanish are most frequently used. A student whose native tongue is a language other than English may use English, but not the native language, to satisfy a language requirement. When English is offered, the Department of English or the student's major department in consultation with the Department of English will administer the examination. A statement certifying the candidate's proficiency in English must be filed in the Graduate School before the comprehensive examination may be taken.

### **Doctoral Students and Immersion Within a Community of Scholars**

The Graduate School expects all graduate programs to encourage and provide opportunities for immersion of doctoral students in scholarship.

Immersion goals can be achieved by multiple means, including, but not limited to, individual and group research training; providing access to resources such as libraries, research equipment, scholarly materials, and laboratories; providing networking opportunities with UNCG and external scholars and graduate students; participation in scholarly seminars presented by scholars from UNCG or elsewhere; assisting with developing applications for external funding of scholarly endeavors; participation at scholarly conferences; and publications or other forms of scholarly dissemination.

Doctoral students are expected to satisfy an immersion requirement, which provides them the opportunity for an extended period of intensive study and intellectual and professional development among a community of scholars.

Immersion "allows students to concentrate focused time on their degree, acquire the necessary habits, attitudes, skills, and insights" (CGS, 2005) required for contributions to scholarship and have opportunities to work closely with other scholars, including faculty and other graduate students. These scholarly skills, attitudes, and experiences go beyond acquiring knowledge in classes and in experience in professional practice.

The Immersion Requirement for doctoral degree programs (Ph.D., Ed.D., D.M.A., D.N.P.) can be accomplished through one of two mechanisms:

1. Two consecutive semesters of six-credit-hour enrollment on campus. Programs will be expected to provide opportunities during those two semesters to cultivate immersion in scholarship and achieve the goals of residency. Students completing residency via full-time enrollment should understand residency goals and plan not only to complete required courses, but also to sustain scholarly engagement and immersion in research, scholarship and professional development.
2. Program-specific alternative immersion plan. Academic degree programs may propose alternative methods by which enrolled

students in the program will achieve immersion goals to be approved by the Graduate School. The approved plans will be documented in the Catalog as well as on the program's Plan of Study template. Program-specific alternatives may be proposed for doctoral degree programs offered online or for site-based programs.

Courses taken by UNCG degree students via inter-institutional registration earn immersion credit as if they were courses on UNCG's campus.

### **Credit Requirements for Doctoral Degrees**

The minimum credits required for direct-entry doctoral programs are forty-five (45) hours inclusive of dissertation hours. Doctoral programs that award a master's degree as part of the doctoral program must comprise a minimum of sixty (60) total hours, with thirty (30) earned post-master's. Students entering a program with an earned master's in a related field must complete at least thirty (30) course hours before enrolling in dissertation hours and an additional twelve (12) credits minimum must be dissertation hours.

A minimum of eighteen (18) credit hours of didactic course work and a minimum of twelve (12) hours of dissertation research are required for any doctoral degree.

### **Transfer Credit for Doctoral Degrees**

In some instances, work done in other institutions may be counted toward the degree, particularly work culminating in a master's degree from an institution accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, the Higher Learning Commission (HLC), the Middle States Commission on Higher Education (MSCHE), the New England Commission of Higher Education (NECHE), the Northwest Commission on Colleges and Universities (NWCCU), the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or the WASC Senior College and University Commission (WSCUC) and representing an appropriate area of study. If the student proposes the transfer of credit from another graduate school, the work for which credit was received must be covered by the comprehensive examination, and the transfer must be recommended by the student's advisory/dissertation committee before the Graduate School will credit the work to the student's doctoral program.

A maximum of one-third of non-dissertation course credit hours may be transferred to a doctoral program.

The following conditions apply to transfer credit for doctoral program:

- All credit offered in transfer must have been taken at an accredited graduate school.
- Such work must have been taken within the time limit described above.
- The student must have earned a grade of B (3.0) or better on all transfer credit. In a four-letter grading system, only credit earned with either of the top two grades is transferable.
- The credit must be recorded on an official transcript placed on file with the Graduate School.
- The credit must be approved by both the student's doctoral advisory/dissertation committee and the Dean of the Graduate School.
- The credit must be necessary to meet specific degree requirements.

Hours only, not grades, may be transferred from other institutions. Quarter-hours do not transfer as semester hours. A fraction of an hour of credit will not be transferred. See sample below:

- 2 quarter hours transfer as 1 semester hour.
- 3-4 quarter hours transfer as 2 semester hours.
- 5 quarter hours transfer as 3 semester hours.
- 6-7 quarter hours transfer as 4 semester hours.
- 8 quarter hours transfer as 5 semester hours.
- 9-10 quarter hours transfer as 6 semester hours.

Students must secure approval from their doctoral committee and the Dean of the Graduate School in advance of registration at other universities.

To ensure that the courses fall within the time limit permitted, the transfer credit will be accepted finally and posted to the transcript only at the time of completion of the degree requirements.

(See Transfer Credit under Course Credit in Section I for more information.)

## Milestones for Doctoral Programs

Doctoral education comprises a set number of credit hours earned through graded courses as listed in the course requirements above, an original dissertation, and a series of scholarly requirements and exams that are referred to as milestones.

To support the philosophy and practice of the Graduate School to respect disciplinary norms and expertise, the Graduate School does not concern itself with the process by which milestones are accomplished. Your program is expected to adhere to the overarching purpose of each milestone. Information on how these milestones are accomplished must be clearly documented in each Doctoral Program Handbook, which is the authoritative source for the procedures for satisfying milestones. All students shall be subject to these processes. Failure to do so may be grounds for a student grievance.

### Diagnostic Exams (optional)

The Graduate School does not require programs to administer diagnostic examinations. However, some programs require that new students take a diagnostic exam given and evaluated before the close of the drop/add period. Diagnostic exams serve to identify deficiencies requiring prerequisite course work, acceptability of any transfer credit, and/or inform the Plan of Study.

### Plan of Study and Permission to Continue in a Doctoral Program

A Plan of Study for the doctoral degree must be filed with the Graduate School no later than the close of the registration window for the third semester of study for approval by the Dean of the Graduate School. This is generally before the completion of eighteen (18) credit hours. The Plan of Study requires the signature of the Graduate Program Director and all other members of the academic or dissertation advisory committee. The Dean of the Graduate School reserves the right to refer any or all plans of study to the Graduate Council for review and recommendation.

Filing the plan of study by the end of the first year signifies permission to continue in the Graduate School. Students who fail to file the Plan of Study upon completion of eighteen (18) hours will have a registration

hold placed on their account. This hold will remain until an approved Plan of Study is filed with the Graduate School.

Copies of the approved Plan of Study must be filed in the student's permanent academic record in the Graduate School, in the department's files, with the chair and each member of the advisory/dissertation committee, and with the student. Any subsequent changes in the Plan of Study must be submitted to the Graduate School for approval.

The Plan of Study must indicate the following:

- Major and minor fields of study.
- All prerequisite or leveling course work.
- Specific courses the student is expected to complete as a minimum requirement with at least eighteen (18) hours of didactic course work and a minimum of twelve (12) hours of dissertation. (If the topic for a Seminar or Topics Course is not yet determined, the GPD may indicate just the Course Number or other such placeholder.)
- All specific course requirements, language, and research requirements of the major department.
- No more than one quarter of the course work credited to the degree, exclusive of the dissertation, at the 500 level.
- No more than 15 semester hours of independent study. (See additional requirements above to pursue Independent Study.)

The following constraints apply:

- No credit evaluated lower than a B (3.0) may be applied toward satisfying a degree requirement.
- Additional hours must be taken for any hours earned with a grade of B- (2.7) or less.
- Credit earned for STA 667 Statistical Consulting is not applicable to a graduate plan of study.

### Qualifying Examination (optional)

The Graduate School does not require programs to administer qualifying examinations, which are typically taken at the end of the first year. In such cases, qualifying examinations are intended to provide an early, general assessment of a student's proficiency in content and/or conceptual understanding of the research process. They may also serve to inform the Plan of Study. If a student is recommended for withdrawal, the Graduate School must be notified.

### Milestones Examinations Required for All Doctoral Programs

A committee of at least three members of the graduate faculty must participate in the preparation and holding of all milestone examinations. Although other members of the program may provide input, it is the sole decision of the established committee to determine the result of a milestone exam. A unanimous decision is required to pass.

A student who fails any milestone examination is terminated from graduate work at UNCG unless the committee unanimously requests a re-examination. Only a single re-examination will be allowed; it can encompass written, oral, or both components as determined by the advisory committee. If the GPD or the Graduate School denies the request, the student's program is terminated, and the Graduate School will send the student a letter of dismissal from the program. In all cases, a student will be dismissed from the Graduate School if any required or option milestone exam is failed a second time.

The Graduate School must be notified in a timely manner upon completion of all milestones.

## Comprehensive Examination

The written and the oral comprehensive examinations together constitute a comprehensive examination of the student's command of the field. This is the exam of breadth. The definition of "comprehensive" varies by academic program, but here means an examination whose thoroughness in all ways conforms to the best accepted practices within the discipline. The form of the comprehensive examination in any degree program is described in that graduate program handbook and all students shall be subject to the written policy and procedures.

The overarching purposes of the comprehensive exam are to:

- evaluate the student's overall proficiency in a body of knowledge and skills after most of the program of study is completed;
- test the candidate's knowledge of all transferred courses;
- discover any weaknesses in the candidate's knowledge that need to be remedied by additional courses or other instruction; and
- determine the candidate's fitness to continue work toward the doctorate.

Each doctoral student is required to pass the doctoral comprehensive examination. A student may attempt the comprehensive examination only on the recommendation of the advisory committee and only after a student has satisfactorily completed all prerequisite course work, removed identified deficiencies, satisfied language requirements, and completed most of the course work contained in the program of study. Individual departments may have additional requirements. The exam should be taken one or two semesters before the semester of anticipated candidacy to allow the committee to make changes to the Plan of Study if necessary.

The written part is scheduled and prepared based on what is indicated in the program handbook. The questions may cover any aspect of the course work taken by the student during the period of this graduate study or any subject logically related and basic to an understanding of the subject matter of the major and minor areas of study. Any transferred course work is subject to examination at the time of the comprehensive examination. The questions are designed to measure the student's proficiency in their field and the adequacy of preparation for research. The result of the written exam must be filed with the Graduate School before the oral portion may be held.

The written exam may result in one of three determinations:

- Pass
- Conditional (*Put conditions in writing and be clear on a due date*)
- Fail

Any requirement for re-writes of any portion (or all) of the exam constitutes a Conditional result. Conditional grades must be reported to the Graduate School indicating the conditions and due date. If the committee so determines, any identified weaknesses may be addressed during the oral portion of the exam, which constitutes a Pass. In the case of a Non-Pass, the student must petition the committee for permission to retake the exam. If granted, the student must wait until the following semester to ensure enough preparation time.

The oral portion of the comprehensive examination should be scheduled within one month following the passing of the written examination. The purpose of the oral examination is to explore in greater depth questions on the written exam and to ensure a comprehensive understanding of the field of specialization and related areas. Many programs also require students to present and/or defend the dissertation proposal as part of

the oral comprehensive exam. In such cases, the dissertation committee must be formally appointed and in attendance for the oral portion of the comprehensive exam.

The oral exam may result in one of three determinations:

- Pass
- Conditional (*Put conditions in writing and be clear on a due date*)
- Fail

Any requirement for re-examination constitutes a Conditional result. Conditional grades must be reported to the Graduate School indicating the conditions and due date. In the case of a Non-Pass, the student must petition the committee for permission to retake the oral exam. If granted, the student must wait until the following semester to ensure enough preparation time.

Any student who fails either portion of the comprehensive examination twice or whose petition for a re-examination is denied will be dismissed from the program.

## Dissertation Proposal Approval (required)

The Graduate School encourages and supports the wide range of dissertation topics and methodologies generated in the programs. The dissertation proposal represents a formal understanding between the Dissertation Committee and the doctoral student. The proposal approval along with the final oral defense of the dissertation constitute the exam of depth. This agreement outlines the work to be done and the intellectual rigor the Committee expects from the student. The proposal functions as a map, guiding the student towards the effective completion of the dissertation project.

The dissertation proposal should substantially advance the doctoral candidate toward completion of the dissertation. In many cases, it takes the form of the comprehensive chapters of the dissertation. The proposal should contain detail enough to describe the significance, background, and rationale for the dissertation and the work the Candidate will perform for the dissertation. Proposal approval is initiated often as part of the oral portion of the comprehensive exam. Some programs expect a proposal defense that is a scheduled and announced public event. However, the deliberations of the Dissertation Committee shall be private. Program handbook must have clear processes as to how proposals are accepted.

## Multiple Authored Dissertations

In situations where dissertations have multiple authors, it is the responsibility of the advisory/dissertation committee chair to identify the percentage of proposed work to be developed by each of the contributors and submit it to the Graduate School for approval. To be submitted as part of a student's dissertation, the student must be primary author. This must be done at the proposal stage and again at the final defense if the original plan has been revised. (See Dissertations with Multiple Authors form (<https://grs.uncg.edu/wp-content/uploads/2012/02/Dissertations-with-Multiple-Authors.pdf>)).

## Admission to Candidacy

In general, students should advance to candidacy no later than three calendar years after the first enrollment in a UNCG doctoral program, a doctoral track student may often take four years. A student who does not achieve candidacy within three years and is not making satisfactory progress may be recommended for academic probation or dismissal.

Students must apply for candidacy by the deadline specified in the academic calendar during the semester they expect to complete all requirements for candidacy. The Graduate Program Director must submit

the Admission to Candidacy form and a final plan of study to move a student to candidacy status. This will certify that the requirements for candidacy will have been met by the end of a given semester. As soon as grades are filed for that semester, the Graduate School will inform the GPD and the student if they have been moved to candidacy status. Normally, the enrollment status of a student who achieves candidacy will be changed for the start of the next semester. However, students who achieve candidacy after the start of a semester but prior to census, will have their status moved to candidacy. Candidacy allows students to retain Graduate School benefits and eligibility for financial aid by enrolling in three (3) credits of 799.

No changes to a Plan of Study are permitted once a student is admitted to candidacy. Students admitted to candidacy are considered all but dissertation (ABD) and may only register for 799.

### **The Dissertation**

The dissertation is the product of a thorough investigation of a basic and significant problem or question within the major area of study. An appropriate plan of research must be developed and executed by the student under the general guidance of the chair and the dissertation committee. Institutional Review Board (IRB) approval is required for research involving human subjects prior to acceptance of a dissertation based on such research. The same holds true for dissertations involving animals.

The dissertation requirement is designed to develop the capacities of originality and generalization in the candidate. It should foster and attest to the development in the candidate of ability in scientific inquiry, understanding and proficiency in the techniques of scholarship, and the art of exposition within the field of specialization.

The dissertation committee, with such other professors as may be appointed by the Dean of the Graduate School, shall examine the dissertation. No dissertation shall be accepted unless it secures unanimous approval of the dissertation committee.

It is expected that the dissertation will serve to demonstrate the student's ability to contribute to the development of research or scholarship within the discipline. As such, a successful defense certifies that the dissertation is a demonstration of the student's ability to identify a problem, develop a methodology, carry out the necessary steps to gather data, analyze the findings, and form a defensible conclusion.

In the case of non-traditional dissertations that may contain chapters or sections with multiple authors, it is necessary to clarify the contribution of the dissertationing student and others who may contribute to the dissertation. (See Dissertation Proposal Approval under Milestones for Doctoral Programs.)

It is expected that the dissertationing student will be identified as the primary author of each of the chapters. The introduction to the dissertation must be solely authored by the dissertationing student and must contain the theoretical framework that unifies the chapters that follow. The dissertationing student also must be the sole author of the concluding chapter in which the significance of the various articles is explained. It is also expected that within the dissertation, appropriate attribution will be given to the other authors who contribute to the chapters.

### **Oral Defense of the Dissertation**

The doctoral candidate who has successfully completed all other requirements for the degree must defend the dissertation orally in a public format. The defense will be scheduled by the chair of the

dissertation committee in consultation with the other committee members. Without permission from the entire doctoral committee, the final oral defense may not take place during regularly scheduled University holidays and breaks. Students must submit the dissertation title, date, time and location of the oral defense at least two weeks prior for publication by the Graduate School. Defenses should not be scheduled during holidays, or at other times faculty and students are not regularly expected on campus.

The dissertation committee administers the oral defense according to program guidelines. The defense is open to all members of the University community who may wish to attend, as required by state laws on public meetings. However, the deliberations of the Dissertation Committee are private. The results of the defense are to be reported in writing to the Dean of the Graduate School.

It is not uncommon for a student to be required to complete additional work on the dissertation after a successful defense. The Doctoral Committee Chair should sign the dissertation approval page only after the student has satisfied the required additional work. Committees should not pass a student on a defense if the additional work required is significant.

### **Filing the Final Approved Dissertation**

Students file the dissertation electronically via the online submission system available on the Graduate School's website. The dissertation must comply with the rules prescribed by the Graduate Council in the templates for preparing theses and dissertations. The approved electronic submission must be uploaded by the deadline as specified in the Academic Calendar.

Students submit their dissertation via the online submission system available on the Graduate School's website (<http://grs.uncg.edu/enrolled/etd/>). The submission must conform to UNC Greensboro's formatting requirements and must be uploaded by the deadline dates as specified in the Academic Calendar. The Graduate School requires all approved dissertations to be published through UMI Dissertation Publishing/ProQuest Information and Learning. There is no charge for basic publishing; however, optional services requested by the candidate during submission may have associated charges.

The Graduate School requires students to publish their dissertation with UMI Dissertation Publishing/ProQuest Information and Learning. All students' dissertations are also published on NC DOCKS. There is no charge for traditional publishing; however, optional services may incur charges.

The process for submitting an approved dissertation to the Graduate School has two components: 1) Submitting the signed approval copy and 2) Submitting the final copy. Specific instructions affiliated with each step are available on the Graduate School's website (<http://grs.uncg.edu/enrolled/etd/>); deadline dates are available in the Academic Calendar (<https://reg.uncg.edu/calendars/>).

Important note: Dissertation hours vary according to the program but are never fewer than twelve (12) semester hours, normally taken in units of three (3) semester hours. Students who have exhausted all available dissertation hours but remain unfinished will be placed in extension status.

## Time Limits for Graduate Degrees

### Time Limits for Certificates

Certificates awarded from UNCG indicate that our students have current, usable knowledge in their field; therefore, the certificate curriculum, including the optional capstone, must be completed within three academic years, from the date of the first courses carrying graduate credit applicable to the student's program are begun. Students who are concurrently enrolled in a degree program and certificate must complete the certificate during the time limits of that degree.

- Minimum semester-hour requirements, which vary by the program, are stated under the respective departmental program description in the *University Catalog*.
- Credit that is applied toward completion of one degree cannot be applied to another degree.
- No course below the 500 level will be counted towards graduate degree requirements.
- In all programs, at least one half of the work credited toward the degree must be in 600-level courses or above.

### Time Limits for Master's Degrees

Advanced degrees awarded from UNCG indicate that students have current, usable knowledge in their field; therefore, the master's curriculum, including the thesis, must be completed within five academic years, from the date the first courses carrying graduate degree credit applicable to the student's program are begun.

### Time Limits for Master of Fine Arts Degrees

Advanced degrees awarded from UNCG indicate that students have current, usable knowledge in their field; therefore, the M.F.A. curriculum, including the capstone, must be completed within five academic years, from the date the first courses carrying graduate degree credit applicable to the student's program are begun.

### Time Limit for Master's Doctoral Track Programs

Advanced degrees awarded from UNCG indicate that students have current, usable knowledge in their field; therefore, doctoral track curriculum, including the dissertation, must be completed within ten academic years from the date the first courses carrying graduate degree credit applicable to the student's program are begun.

### Time Limits for Doctoral Degrees

Advanced degrees awarded from UNCG indicate that students have current, usable knowledge in their field; therefore, all requirements for the doctorate, including the dissertation, must be completed within seven academic years. Post-master's (or equivalent) credit that is to be applied to the student's doctoral program must be no more than seven years old when the degree requirements are completed. This means that all course work to be credited to the student's doctoral program must fall within a seven-year period beginning with the date the first courses carrying graduate-degree credit applicable to the student's program are begun.

If credit to be transferred was earned before enrollment at this University, the seven-year period commences with the beginning date of the term in which the transfer credit was earned.

The seven-year time limit does not apply to students who are admitted to a Doctoral Track Program (combined master's/doctoral). In this case, the time limit is ten years.

## Semester Hours Required for Graduate Degrees

Consistent with regional accreditation by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), UNCG requires a minimum of thirty (30) hours beyond the bachelor's degree for any master's degree, sixty (60) hours for doctoral programs that award a master's as part of the doctoral degree requirements, and forty-five (45) credits minimum for direct entry doctoral programs that do not require a student to earn a master's degree.

# Undergraduate Policies

- Academic Requirements and Limits for Undergraduates (p. 836)
- Academic Standing at UNC Greensboro (p. 836)
- Classification of Students (p. 838)
- Course Credit Regulations and Limits (p. 838)
- Course Selection (p. 839)
- Course Withdrawal Policy (p. 840)
- Grading (p. 840)
  - Academic Renewal (p. 841)
  - Chancellor's List (p. 841)
  - Credit Hours (p. 841)
  - Dean's List (p. 841)
  - Final Course Examinations (p. 841)
  - Grade Points and Grade Point Averages (GPA) (p. 841)
  - Grade Replacement Policy (p. 842)
  - Grade Reports (p. 842)
  - Grades (p. 842)
  - Incomplete Grades (p. 843)
  - Retroactive Grade Change (p. 843)
  - Undergraduate Final Grade Appeal Policy (p. 844)
- Honors for Second Degree Recipients and Transfer Students (p. 844)
- Majors, Minors, Double Majors and Simultaneous Degrees Policy (p. 844)
- Steps to Graduation (p. 845)
- Withdrawal from the University (p. 846)

## Academic Requirements and Limits for Undergraduates

### Baccalaureate Degree Requirements and Limits

120 - Minimum number of credit hours required for an undergraduate degree

36 - Minimum number of credits required toward the degree at or above the 300 course level

31 - Minimum required credits in residence at UNC Greensboro

31 - Minimum required credits in residence at UNC Greensboro beyond the first degree for a second undergraduate degree

2.0 - Minimum cumulative GPA required for graduation

### Credit Hour Regulations and Limits

12 - Minimum number of credits in which undergraduates must enroll per semester to qualify for full-time status

18 - Maximum number of credits per semester in which an undergraduate may enroll without special permission

64 - Maximum number of credits allowed for 2-year transfer credit

12 - Maximum number of credits allowed for physical education credit

### Dean's List Qualifications

6 - Minimum number of credits a student must have completed at UNC Greensboro to be eligible for Dean's List

6 - Minimum number of credits in which a student must be enrolled for a given semester

3.50 - Minimum required GPA for the semester

B- - Minimum grade earned for the semester (no grade may be lower than B-)

### Chancellor's List Qualifications

30 - Minimum number of credits a student must have completed at UNC Greensboro to be eligible for Chancellor's List

12 - Minimum number of credits in which a student must be enrolled for a given semester at UNC Greensboro

3.65 - Minimum required cumulative GPA

Transfer students must be enrolled for at least one semester at UNC Greensboro to be eligible for the Chancellor's List.

### Graduation With Honors Requirements

45 - Minimum number of credits a student must complete in residence at UNC Greensboro by end of senior year to be eligible for graduation with honors

3.90 - Minimum required GPA for Summa cum laude

3.70 - Minimum required GPA for Magna cum laude

3.50 - Minimum required GPA for Cum laude

### Second Degree Honors Required Hours

45 - Minimum number of credits a second degree candidate must complete toward the second degree in residence at UNC Greensboro, with the required GPA, to be eligible for graduation with honors

### Simultaneous Baccalaureate Degrees Residency Hours

31 - Minimum number of credits in residence a student must complete beyond requirements for the first degree in order to receive a second, simultaneous baccalaureate degree.

## Academic Standing at UNC Greensboro

*The following requirements and procedures for maintaining academic good standing became effective in Fall 2017 for undergraduate students and was modified by Faculty Senate in April 2017.*

Undergraduate students are expected to be aware at all times of their academic standing and are responsible for knowing whether or not they are on Academic Good Standing, Academic Warning, Academic Probation, Academic Suspension, or Academic Dismissal. Students may check their academic standing via UNCGenie.

UNC Greensboro reserves the right to deny enrollment to any student, even though the student has met the minimum grade point average required, if it is apparent from the student's academic record of required courses that the student will not be able to meet graduation requirements.

The Academic Good Standing Policy applies to enrollment during any term, including summer term. Students may be placed on Academic Warning, Academic Probation, Academic Suspension, Academic Dismissal, or restored to Academic Good Standing based on their academic performance during Summer Session. Academic performance for both summer terms is evaluated at the end of Summer Session II.

## Academic Good Standing Policy

*(For degree-seeking students entering the university Fall 2014 and after. Students who entered the university as degree-seeking undergraduates prior to Fall 2014 are grandfathered into the policy last published in the 2013–14 Undergraduate Bulletin.)*

To maintain Academic Good Standing at UNC Greensboro, undergraduate students will be required to satisfy all of the following requirements:

- Maintain a minimum 2.0 cumulative GPA.
- Earn 67% of their credit hours each term.

Failure to satisfy all of the requirements above will result in Academic Warning or Academic Probation.

## Academic Warning

Academic Warning will occur when an undergraduate student maintains a minimum 2.0 cumulative GPA but earns less than 67% of their credits.

Students who fall on Academic Warning will be required to satisfy all of the following requirements during their next term of enrollment:

- Maintain a minimum 2.0 cumulative GPA.
- Earn 67% of their credits each term.
- Enroll in and successfully complete the requirements of the Academic Resources & Knowledge (ARK) Program.

Failure to meet the requirements for Academic Good Standing while on Academic Warning may result in Academic Probation. A student who is able to maintain a 2.0 cumulative GPA but does not earn 67% of their credits will continue on Academic Warning each consecutive semester until the required minimum percentage of hours is earned.

## Academic Probation

Academic Probation will occur when an undergraduate student in Academic Good Standing or on Academic Warning fails to maintain a minimum 2.0 cumulative GPA.

Undergraduate students who fall on Academic Probation will be required to satisfy all of the following requirements during their next term of enrollment:

- Limit enrollment to a maximum of 16 credits each fall and spring term and 8 credits in the summer term until Academic Good Standing is restored.
- Earn a minimum 2.30 term GPA each term until a 2.0 cumulative GPA is restored.
- Enroll in and successfully complete the requirements of ARS 100.

Failure to satisfy all of the Academic Probation requirements above may result in Academic Suspension at the end of the probationary term. A student who is able to restore a 2.0 cumulative GPA but does not earn 67% of their credits will be placed on Academic Warning.

In cases where circumstances beyond the student's control have interfered with the student's academic performance, students placed

on Academic Suspension may request immediate reinstatement by submitting an Academic Suspension Appeal. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal process.

## Academic Suspension

Academic Suspension will occur when an undergraduate student on Academic Probation fails to maintain either a minimum 2.30 term GPA or a minimum 2.0 cumulative GPA.

All students who fall on Academic Suspension are ineligible to enroll at UNC Greensboro for one fall or spring term.

NOTE: Summer Session is not considered a term away for the purposes of Academic Suspension. After a one-term suspension, students may apply for readmission to the university via the Office of Undergraduate Admissions.

If readmitted, upon return from Academic Suspension, an undergraduate student will be considered on Academic Probation and is required to satisfy all of the following requirements during their next term of enrollment:

- Limit enrollment to a maximum of 16 credits each fall and spring term and 8 credits in the summer term until Academic Good Standing is restored.
- Earn a minimum 2.30 term GPA each term until a 2.0 cumulative GPA is restored.
- Enroll in and successfully complete the requirements of ARS 120.

Failure to satisfy all of the Academic Suspension requirements above may result in Academic Dismissal at the end of the term. A student who is able to restore a 2.0 cumulative GPA but does not earn 67% of their semester hours will be placed on Academic Warning.

In cases where circumstances beyond the student's control have interfered with the student's academic performance, students placed on Academic Dismissal may request immediate reinstatement by submitting an Academic Dismissal Appeal. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal process.

## Academic Dismissal

Academic Dismissal will occur when an undergraduate student on Academic Probation after returning from Academic Suspension fails to maintain either a minimum 2.30 term GPA or a minimum 2.0 cumulative GPA.

All students who fall on Academic Dismissal are ineligible to enroll at UNC Greensboro for one academic year.

NOTE: Summer session is not considered a term away for the purposes of Academic Dismissal. After a one-year dismissal, students may request permission to return to the university by submitting a Return from Academic Dismissal Appeal and must apply for readmission to the university via the Office of Undergraduate Admissions. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal and readmission process.

If readmitted, upon return from Academic Dismissal, an undergraduate student will be considered on Academic Probation and is required

to satisfy all of the following requirements during their next term of enrollment:

- Limit enrollment to a maximum of 16 credits each fall and spring term and 8 credits in the summer term until Academic Good Standing is restored.
- Earn a minimum 2.30 term GPA each term until a 2.0 cumulative GPA is restored.
- Enroll in and successfully complete the requirements of ARS 140.

Failure to satisfy all of the Academic Dismissal requirements above may result in Academic Dismissal at the end of the term. A student who is able to restore a 2.0 cumulative GPA but does not earn 67% of their semester hours will be placed on Academic Warning.

In cases where circumstances beyond the student's control have interfered with the student's academic performance, students placed on Academic Dismissal may request immediate reinstatement by submitting an Academic Dismissal Appeal. Contact the Students First Office, Forney Student Success Commons—Suite 101, 336-334-5730, for more information on the appeal process.

## Academic Appeals

In cases where circumstances beyond the student's control have interfered with the student's academic performance, students placed on Academic Suspension or Academic Dismissal may request immediate reinstatement by submitting an Academic Suspension Appeal or Academic Dismissal Appeal. Appeals must be submitted by the published deadlines, which are located in the academic calendar and the University Catalog. Events and/or circumstances that merit an appeal include officially documented unanticipated personal life events, officially documented unanticipated serious medical difficulty, and/or officially documented serious psychological difficulty. Students are strongly encouraged to contact the Students First Office for assistance before officially submitting an appeal.

An Academic Suspension Appeal or Academic Dismissal Appeal will be reviewed by the Academic Appeals Committee, which is convened by the Division of Student Success and the Office of the Dean of Undergraduate Studies. Once an appeal has been submitted and reviewed, students will be notified of the results of their appeal via their UNC Greensboro email account. All academic appeal decisions are final.

As mandated by the university, a student whose Academic Suspension Appeal or Academic Dismissal Appeal is approved must agree to participate in the designated Academic Recovery Program, coordinated within the Students First Office, during the next term of enrollment. Failure to participate in and successfully complete the requirements of the designated Academic Recovery Program will result in immediate Academic Dismissal at the end of the term.

## Classification of Students

The following classifications became effective for fall 1996 and thereafter for newly admitted undergraduates (transfer students and freshmen).

Undergraduate students are classified as freshmen, sophomores, juniors, and seniors. These classifications are determined by the number of credit hours completed (including hours transferred from another institution). The classifications are as follows:

Classification	Semester Hours
Freshman	0–29.9 credits completed
Sophomore	30–59.9 credits completed
Junior	60–89.9 credits completed
Senior	90 or more credits completed

## Course Credit Regulations and Limits

### Correspondence Credit

Up to 64 credit hours in correspondence and extension credit may be applied to the completion of work for an undergraduate degree with the further stipulation that not more than one-fourth of the requirements for the degree may be completed in correspondence credit. Academic departments may establish such course and credit limitations in acceptance of correspondence credit as may be required by specific degree programs.

Although UNC Greensboro correspondence credit is treated as transfer credit at the time of admission, it will be thereafter considered "Residence" credit for degree certification purposes.

Correspondence credit earned from institutions other than UNC Greensboro is always treated as transfer credit. It will have no impact on the UNC Greensboro grade point average. Only credits will be applied toward UNC Greensboro degree requirements.

### Extension Credit

UNC Greensboro extension credit, earned either on or off campus, will be considered transfer credit for admission purposes. Up to 64 credit hours in extension and/or correspondence credits may be applied to completion of work for an undergraduate degree. Academic departments may establish such course and credit limitations in acceptance of extension credit as may be required by specific degree programs.

Although UNC Greensboro extension credit is treated as transfer credit at the time of admission, it will be thereafter considered "Residence" credit for degree certification purposes.

### Non-Credit Courses

Non-credit courses do not count toward graduation nor are they calculated in the student's GPA. There are currently no non-credit courses available.

### Physical Education Credit Limit Policy

Any university student may take up to 12 credit hours of elective credit in physical education activity courses to apply toward graduation.

### Repeated Courses

If a course or its equivalent is taken more than once for credit and is not repeatable for credit, credit will be applied toward degree requirements only once.

### Summer Session Credit

Students may enroll for no more than seven credits during each of the two summer sessions, unless permitted to take an increased load by their assigned academic advisor.

### Advanced Placement Credit (AP Credit)

In compliance with the UNC system policy 700.10.1 [R], UNC Greensboro accepts Advanced Placement (AP) Exam Scores from the College Board for scores of three or higher on one or more AP Exam(s). To help improve

student's completion and progression towards a degree, qualified AP Exam(s) Score will be awarded for specific credit hours aligned with the equivalent UNCG course(s). A list of corresponding credits and accepted scores may be found on the University Registrar's Office website.

## **Transfer Credit**

### **Comprehensive Articulation Agreement**

The North Carolina General Assembly, the Board of Governors of The University of North Carolina, and the State Board of Community Colleges are committed to the simplification of transfer of credits for students and thus facilitating their educational progress as they pursue associate or baccalaureate degrees within and among public post-secondary institutions in North Carolina. The Comprehensive Articulation Agreement (CAA) is a statewide agreement governing the transfer of credits between N.C. community colleges and public universities in North Carolina, and has as its objective the smooth transfer of students, providing certain assurances to the transferring student by identifying community college courses that are appropriate for transfer as electives, and specifying courses that will satisfy pre-major and general education requirements.

The CAA establishes the procedures governing the transfer of credits for students who transfer from a North Carolina Community College to a constituent institution of The University of North Carolina. To be eligible for the transfer of credits under the CAA, the student must graduate from the community college with an Associate in Arts (AA) or Associate in Science (AS) degree and have an overall Grade Point Average (GPA) of at least 2.0 on a 4.0 scale and a grade of "C" or better in all CAA courses. Students who do not complete the degree are eligible to transfer credits on a course-by-course basis. Students officially enrolled in an AA or AS program at a North Carolina community college prior to Fall Semester 2014 are subject to the conditions and protections contained in the CAA in place at the time of their initial enrollment as long as they have remained continuously enrolled.

Community college graduates of the Associate in Arts or Associate in Science degree programs who have earned 60 semester hours in approved transfer courses with a grade of "C" or better will receive at least 60 semester hours of academic credit upon admission to UNC Greensboro. A student who completes the Associate in Arts or Associate in Science degree prior to transfer to UNC Greensboro will have fulfilled the university's lower-division general education requirements, but not intermediate-level general education requirements like the College of Arts and Sciences' foreign language requirement. Also, due to degree requirements in some majors, additional lower-division courses at UNC Greensboro may be required beyond the general education courses and pre-major courses taken at the community college.

If a student from a North Carolina Community College System (NCCCS) college believes the terms of the Comprehensive Articulation Agreement (CAA) have not been honored by UNC Greensboro, the student may invoke the CAA Transfer Credit Appeal Procedure. Steps to file an appeal can be found in Appendix E of the Comprehensive Articulation Agreement document (<https://www.nccommunitycolleges.edu/academic-programs/college-transferarticulation-agreements/comprehensive-articulation-agreement-caa>) (<https://www.nccommunitycolleges.edu/academic-programs/college-transferarticulation-agreements/comprehensive-articulation-agreement-caa/>)

### **Transfer Credit and Credit Limit**

UNC Greensboro is accredited by and will accept transfer credit from schools accredited by the Commission on Colleges, Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Colleges

and universities outside of the SACSCOC region must have accreditation from the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, Higher Learning Commission (HLC), Middle States Commission on Higher Education (MSCHE), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), or WASC Senior College and University Commission (WSCUC) for the transfer credit to be accepted.

Transfer credit to be awarded is determined by the quality as well as the quantity of the student's previous college work. Course work completed with a grade of C-, D+, D, or D- will not transfer. Transfer courses are evaluated on a course-by-course basis.

The sum total of transfer credit hours from two-year college(s), extension, or correspondence courses that may be applied toward an undergraduate degree may not exceed 64 semester hours. No combination of 2Plus and transfer/extension credit may exceed 64 semester hours on the student's transfer equivalency worksheet.

The University's Repeated Course policy applies to transfer credit. If a course or its equivalent is taken more than once for credit and is not repeatable for credit, credit will be applied toward degree requirements only once. In the case of duplicate transfer credit, only the first instance in which credit can be awarded will remain on the UNC Greensboro academic record.

Current UNC Greensboro policy stipulates that courses completed in technical, vocational, or professional programs at community colleges or courses from technical colleges or proprietary institutions cannot be accepted in transfer, unless they are part of a 2Plus Program. These programs give students with articulated Associate in Applied Science degrees access to a limited number of degrees at UNC Greensboro.

### **Credit for Military Training**

Elective credit for military training may be awarded where UNC Greensboro has comparable courses and upon receipt of an official American Council of Education transcript.

## **Course Selection**

### **Adding Courses**

Students may add courses to their schedules during the Drop/Add period. Between the end of the Drop/Add period and the 10th day of classes, a student desiring to add a course may do so only with the written approval of the instructor.

### **Late Adds**

After the 10th day of classes, adding with instructor permission will be accepted by the University Registrar's Office only under extraordinary circumstances.

### **Course Levels**

Course level numbers are structured as follows:

Course Level Number	Description
100-199	Intended primarily for freshmen
200-299	Intended primarily for sophomores
300-399	Intended primarily for juniors
400-499	Intended primarily for seniors
500-599	For all graduate students

600-749	For all graduate students, including doctoral
750-799	Doctoral level only

## Course Loads

Twelve credit hours is considered full-time status for undergraduates. An undergraduate student must be enrolled for a minimum of 12 credits to qualify for full-time certification to any organization.

Full-time undergraduates normally take five courses per semester. Since a majority of courses carry three hours of credit with some carrying four hours of credit, a normal course load is 15 or 16 credits per semester. To complete most undergraduate degrees in four years, students should plan to carry 15 or 16 credits per semester.

Undergraduates may not take more than 18 credits per semester except with the approval of their assigned academic advisor. Students who have cumulative grade point averages of 3.0 may be authorized, in special circumstances and at the discretion of the Dean of Undergraduate Studies, to carry a maximum of 21 credits of course work.

## Suggested Academic Workload Guidelines

Students should be aware that academic excellence and scholastic achievement usually require a significant investment of time in study, research, and out-of-class projects. To provide guidance to students in planning their academic and work schedules, the following recommendations are offered:

1. In general, students should plan to devote between 2–3 hours outside of class for each hour in class. Thus, students with a 15 credits course load should schedule between 30–45 hours weekly for completing outside-of-class reading, study, and homework assignments.
2. Students who are employed more than 5–10 hours each week should consider reducing their course loads (semester hours), depending upon their study habits, learning abilities, and course work requirements.

# Course Withdrawal Policy

*The following requirements and procedures for maintaining Academic Good Standing became effective in Fall 1996 for newly admitted degree-seeking undergraduates (freshmen and transfer students), modified by Faculty Senate in April 1998 and modified again in November 2013 in compliance with UNC Policy 400.1.1[R].*

## Withdrawing from Current Term Courses

### 16 credit hour limit for course withdrawals

Beginning Fall 2014, all undergraduate students will be limited to withdrawing from a maximum of 16 credit hours during their undergraduate career. This limitation does not include course withdrawals completed within the course adjustment period (as identified on the Academic Calendar) that do not count as attempted hours and are not limited to 16 credits. Students who have not exceeded their 16 credit limit may withdraw from a course or courses after the course adjustment period and within the first eight weeks of the term without incurring a WF grade (Withdrawn Failing). Withdrawal from courses within the 16 credit limit will be indicated on a transcript with a grade of WX.

Course withdrawals after eight weeks or in excess of 16 credits will incur a WF grade (Withdrawn Failing).

Courses of less than one semester's duration, including Summer School courses, shall have shorter withdrawal deadlines (proportional to the course adjustment and eight-week deadline for the regular semester). All withdrawal deadlines are published on the University Registrar's Office website.

All WX courses count as attempted hours and are subject to academic standing, financial aid, and Satisfactory Academic Progress rules and calculations.

## Withdrawing from a Course with Extenuating Circumstances

Undergraduate students with appropriate cause, as determined by officially documented military deployment, medical, psychological, or unanticipated personal life events, or administrative reasons, may petition for an exemption from the 16 credit limit and the eight-week deadline by initiating an Appeal to Withdraw for Extenuating Circumstances (formerly Course Withdrawal Request) through the Students First Office. The Appeal to Withdraw for Extenuating Circumstances Committee, under the purview of the Division of Student Success, shall be responsible for authorizing Appeals to Withdraw for Extenuating Circumstances in consultation with the instructor of every course, and with other departments or agencies as needed. If an Appeal to Withdraw for Extenuating Circumstances is authorized, all requested courses will be indicated on a transcript with a grade of WE (Withdrawn with Exception).

If a student withdraws from all courses, the student is considered officially withdrawn from the university. See section on Withdrawal from the University.

All WE courses count as attempted hours and are subject to financial aid and Satisfactory Academic Progression rules and calculations; they do not count in academic standing calculations or GPA calculation.

## Withdrawing from Courses Retroactively

Undergraduate students shall be given one year following the term in which a course or courses were taken to submit an Appeal to Withdraw for Extenuating Circumstances with the Division of Student Success. Students who seek to withdraw from a course or courses retroactively must meet the conditions under Withdrawing from Current Term Courses and the Appeal to Withdraw for Extenuating Circumstances Committee, under the purview of the Division of Student Success, must authorize the request. Students are strongly encouraged to contact the Students First Office for assistance before officially submitting an Appeal to Withdraw for Extenuating Circumstances. If an Appeal to Withdraw for Extenuating Circumstances is authorized, all requested courses will be indicated on a transcript with a grade of W (Withdrawn) for classes taken prior to Fall 2014, and a grade of WE (Withdrawn Exception) for courses taken in Fall 2014 and thereafter. Students who have graduated may not withdraw from courses retroactively.

Neither the course withdrawal (WX) nor the course withdrawal with an exception (WE) can be replaced under the university's Grade Replacement Policy or forgiven as part of the Academic Renewal Policy.

## Grading

- Academic Renewal (p. 841)
- Chancellor's List (p. 841)
- Credit Hours (p. 841)
- Dean's List (p. 841)

- Final Course Examinations (p. 841)
- Grade Points and Grade Point Averages (GPA) (p. 841)
- Grade Replacement Policy (p. 842)
- Grade Reports (p. 842)
- Grades (p. 842)
- Incomplete Grades (p. 843)
- Retroactive Grade Change (p. 843)
- Undergraduate Final Grade Appeal Policy (p. 844)

## Academic Renewal

*The following policy was approved by the UNC Greensboro Faculty Senate on October 2, 2002; amended October 23, 2006; amended March 4, 2015.*

Academic Renewal allows formerly enrolled students who have been readmitted the possibility of having grades earned during their previous attendance period to be forgiven (excluded from GPA calculations). Students initiate the request for Academic Renewal by filing a form with the Students First Office.

Formerly enrolled students who left UNC Greensboro with a cumulative GPA below 2.00 may pre-qualify for academic renewal when:

- they have not been enrolled in any institution of higher education for a minimum of one year (one fall and one spring semester);

or, as an alternative:

- they have completed 24 credit hours of transferrable college credit with a 2.50 GPA since their last enrollment at UNC Greensboro.

Upon being readmitted and/or reactivated under the provisions of this policy, pre-qualified students may apply for Academic Renewal after earning at least a 2.30 GPA on their first 12 credits following re-enrollment. If a student earns fewer than 12 credits in their first term after re-enrollment, all hours and grades earned in consecutive terms (concluding with the term in which the 12 credits total is reached) will be considered for this requirement. If a student earns more than 12 credits in the first term after re-enrollment, all hours and grades earned in that term will be considered for the GPA requirement. Thereafter, the student must meet the standard for continuation in the university Academic Good Standing policy.

All Academic Renewal requests should be submitted to the Students First Office and will be reviewed for approval by the Academic Renewal Review Committee.

Upon meeting the Academic Renewal requirements, previously completed courses in which grades of a D+ or below were earned will be forgiven. The recomputed GPA will be calculated from the courses in which grades of C- or higher were earned. All courses taken will appear on the academic record and count toward attempted hours. Grades will be forgiven only once during a student's career and cannot be reversed.

Students who receive approval for an Academic Renewal Request cannot utilize the Grade Replacement Policy in future semesters.

## Chancellor's List

Undergraduate students are eligible for the Chancellor's List who meet the following criteria:

- achievement of 30 or more credits at UNC Greensboro
- a cumulative grade point average of 3.65 or higher
- current enrollment at UNC Greensboro in 12 or more credits
- be in Academic Good Standing

In the case of transfer students, at least one semester of enrollment at UNC Greensboro is required.

Recognition is accorded the recipients of this honor. The Chancellor's List is published on the University Registrar's website after all grades have been processed for the respective fall or spring term. The achievement also appears on the academic transcript.

## Credit Hours

Credits for all courses are reported in credit hours. A credit hour credit equals one 50-minute class period per week or its equivalent throughout one semester. The number of credits given for each course is listed as part of the course description.

## Dean's List

Undergraduate students are eligible for the Dean's List who meet the following criteria:

- carry six or more credits of course work graded on an A, B, C, D, or F basis
- earn a grade point average of 3.50 or better and have no grade below B- for the semester
- be in Academic Good Standing

The list is compiled at the end of each semester or when a grade change is processed after a semester for all students whose grade point average falls within the range at the time the report is prepared.

Recognition is accorded the recipients of this honor. The Dean's List is published on the University Registrar's website after all grades have been processed for the respective fall or spring term. The achievement also appears on the academic transcript.

## Final Course Examinations

Final examinations may be required at the discretion of faculty and must be scheduled in course syllabi with information available to students on the first day of class.

### Change of Examination Schedule

A student desiring to change the meeting time of a final exam should make the request directly to the class instructor. It is the instructor's prerogative to grant such requests. In instances where students have more than two exams within a 24-hour period, they may apply to the University Registrar's Office, 180 Mossman Building, for permission to change their exam schedules. The usual process is to change the middle examination in a sequence of three. All requests for changes in examinations must be filed with the University Registrar's Office before Reading Day.

## Grade Points and Grade Point Averages (GPA)

UNC Greensboro uses a credit hour and grade point system for evaluating undergraduates. Credit hours represent the number of

course hours completed. Grade points are determined by the number of credits attempted and the grades earned.

The grade point average is determined by dividing the accumulated number of grade points earned by the accumulated number of semester hours undertaken. Hours attempted but not passed must be included in this calculation. However, a second F or WF in the same course is not used in computing the grade point average. Courses graded on the P/NP or S/U basis and courses transferred from another institution may not be used in determining the UNC Greensboro grade point average.

Courses taken through cross-registration with another institution are considered transfer credits. Grades do not appear on the UNC Greensboro transcript and are not calculated in the GPA.

Beginning with courses taken in Fall 1996, plus/minus grades are incorporated into the GPA for all undergraduates.

Grade	Grade Points Awarded Per Hour of Credit
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F/WF	0.0

## Grade Replacement Policy

*Revised and approved by the Faculty Senate on April 28, 2021.*

A UNCG undergraduate student can request permission to use the Grade Replacement Policy for up to four (4) courses (maximum of 16 credit hours) in which they have earned a grade of C-, D+, D, D- or F/WF.\*

In cases where a Grade Replacement Request is permitted, the original grade in a UNCG course will be removed from the Grade Point Average (GPA) calculation and replaced by the grade earned in the repeated UNCG course. However, all final grades and attempted credits from all course attempts will remain on a student's permanent academic transcript and calculated in determining eligibility for academic majors and financial aid satisfactory academic progress (as applicable).

The following exclusions will prohibit students from using the Grade Replacement Policy from specific courses:

- Courses in which the final grade earned was the result of an Academic Integrity violation, which are recorded by the Office of Student Rights and Responsibilities
- Courses taken in future semesters once a student has applied and been approved for the Academic Renewal Policy
- Grade Replacement Requests submitted after a degree is conferred

Grade Replacement is permitted for courses that have undergone course prefix or course number changes through the Undergraduate Curriculum process.

Students must initiate a Grade Replacement Request by filing a Grade Replacement Request form with the University Registrar's Office. Once processed, all grade replacements are final and can only be reversed by approved appeal.

In the case of all other repeated courses in which the Grade Replacement Policy is not utilized, attempted credits and grade points from all attempts will be counted fully in the GPA; however, credits earned for the course will count only once in the total hours for the degree.

Appeals for any exceptions to the parameters above, including requests to use Grade Replacement for courses in which a student has earned a C or higher, must be submitted in writing to the Office of the Dean of Undergraduate Studies in the Division of Student Success for consideration prior to registering for the repeat course.

\* Due to the academic impact of the Covid-19 pandemic, courses originally taken or repeated in Spring 2020, Summer 2020, Fall 2020, and Spring 2021 semesters will not count against the four (4) course maximum number of Grade Replacements permitted by this policy.

## Grade Reports

Final course grades are made available to students at the end of each semester on UNCGenie, UNC Greensboro's student information system. Students can view and print copies of their grades from UNCGenie.

## Grades

A grade in a course is based on the quality of the student's classroom and written work throughout the semester. Most course grades are not solely based on the final examination alone.

If a course or its equivalent is taken more than once for credit and is not repeatable for credit, credit will be applied toward degree requirements only once.

## Grading System For Undergraduates

Grade	Description
A	Excellent—indicates achievement of distinction and excellence in several if not all of the following aspects: 1) completeness and accuracy of knowledge; 2) intelligent use of knowledge; 3) independence of work; 4) originality.
B	Good—indicates general achievement superior to the acceptable standard defined as C. It involves excellence in some aspects of the work, as indicated in the definition of A.

C	Average—indicates the acceptable standard for graduation from UNC Greensboro. It involves such quality and quantity of work as may fairly be expected of a student of normal ability who gives to the course a reasonable amount of time, effort, and attention.	W	Withdrawal—indicates a course from which the student withdrew during the first eight (8) weeks of classes; no academic penalty is attached to a grade of W; see also Course Withdrawal.
D	Lowest Passing Grade—indicates work that falls below the acceptable standards defined as C but which is of sufficient quality and quantity to be counted in the hours of graduation if balanced by superior work in other courses.	WE	Withdrawal Without Penalty—Individual Course
F	Failure—indicates failure that may not be made up except by repeating the course.	WF	Withdrawal with Failure—indicates a course from which the student withdrew after the first eight (8) weeks of classes; a WF is computed in the student's GPA; see also Course Withdrawal.
I	Incomplete—indicates that the completion of some part of the work for the course has been deferred because of prolonged illness of the student or because of some serious circumstances beyond the student's control. Concomitantly with the recording of an Incomplete grade, the instructor files with the head of the school or department concerned the student's average grade and the specific work that must be accomplished before the Incomplete can be removed. Incomplete grades may be recommended by the university physician, the Counseling and Testing Center, and by the Dean of Undergraduate Studies. See also the topic Incomplete Grades in this section.	WM	Withdrawal Without Penalty—Full Term, Military
IP	In Progress—indicates that the course work was planned to continue beyond a single semester.	WN	Withdrawal Not Passing—used in courses designated P/NP.
NC	No Credit—indicates an audited course.	WT	Withdrawal Without Penalty—Full Term
NR	Not Reported—indicates a final grade was not submitted prior to the official end of the semester according to the university's academic calendar.	WX	Withdrawal With Penalty
P/NP	Passing/Not Passing—used for designated courses only; courses graded P/NP are so indicated in the course description.		
SA	Satisfactory		
SP	Special Exam		
US	Unsatisfactory		

## Incomplete Grades

An Incomplete grade may be removed by completion of the deferred work. The time line for which all deferred work must be submitted by a student is determined at the discretion of the instructor and should be clearly outlined via a written document summarizing the course work to be completed and any deadlines for submission. A student should not re-register for the course in order to remove the Incomplete. An Incomplete received during a semester or in summer session must be removed within six months from the last day of examinations in the term in which the course was taken. This deadline indicates the final date that an instructor may submit a grade change to remove the incomplete grade. The parameters for removing an incomplete grade, including any deadlines for which work must be submitted by a student, are at the discretion of the instructor.

An incomplete not removed within this time limit is automatically converted to an F on the student's academic record by the University Registrar's Office. A graduating senior who incurs an incomplete and who has completed all requirements and enough semester hour credits and grade points to graduate may do so even though the Incomplete grade is outstanding. If the Incomplete is not removed within the required six months, it will be converted to F at the end of that period of time. When an Incomplete is removed, it may be replaced by A, B, C, D, F, or, in certain designated courses, P, NP, S, or U.

## Retroactive Grade Change

A retroactive grade change is a change in an officially recorded grade. A grade becomes officially recorded when the Registrar so stipulates. Except to correct clerical errors or to resolve an incomplete grade (see Incomplete Grades), a retroactive grade change is an extraordinary action and is granted only in the most compelling circumstances. No change may occur unless the instructor who gave the grade initiates the formal process of a retroactive grade change. The change must also be approved by the instructor's department head and by the instructor's dean.

Students who seek a retroactive grade change to a W are referred to the section on Withdrawing from Courses Retroactively in the Course Withdrawal Policy.

Retroactive grade changes are not made for students who have graduated.

## **Undergraduate Final Grade Appeal Policy**

*Revised and approved by the Faculty Senate on April 28, 2021.*

If a student wishes to appeal an assigned final grade, the student should first discuss the concerns with the instructor within 90 calendar days after the final grade has been posted. If the student feels that policies were violated and not properly handled by the instructor, then the student will complete a grade appeal form housed in the Office of the Dean of Undergraduate Studies. After consultation with this office, the student may further appeal to the department head, the dean of the school or college, and the provost, in that order.

Grade Appeals will be considered only in the most exceptional circumstances, and are approved only in cases where the evidence strongly supports the student's claim. Please note that simple disagreement about what constitutes fair grading is not grounds for an appeal. Department or school handbooks and/or the instructor's syllabus define standards for grading in any given course. When a student elects to remain in a class after reading these materials, the student is understood to have accepted the grading terms for the course. The instructor is not obligated to deviate from grading standards outlined in the department or school handbooks and/or the syllabus.

### **Examples that do merit a final grade appeal include:**

- The instructor has miscalculated a final grade;
- The instructor has violated the grading policies outlined in the syllabus without reasonable cause;
- The instructor has not provided a reasonable explanation of how the student's work was evaluated.

### **Examples that do not merit a final grade appeal include:**

- The instructor's grading policies differ from other instructors in the department, college or school, or university.
- The instructor's Attendance Policy differs from other instructors in the department, college or school, or university.
- The instructor's Late Work Policy differs from other instructors in the department, college or school, or university.
- The grade distribution in the class in question is lower than in other sections of the same course.
- The student's grade in the course is significantly lower than grades the student earned in similar courses.
- The grade in question will trigger academic probation, suspension, or dismissal, or will result in the loss of financial aid eligibility.

Departments and/or units are required to make available their grade appeal process online to make the process clear for students. Final grade appeal process should include department, unit, and university process with the timeline information found on the Office of the Dean of Undergraduate Studies website.

## **Honors for Second Degree Recipients and Transfer Students**

To maintain equity with students who have attended all four years at UNC Greensboro and who may have a semester GPA that would qualify them for honors, the following policy is in place: Any second degree candidate or degree candidate who transferred to UNC Greensboro from another institution is eligible for graduation with honors who, at the end of the final year, has completed toward the degree (in the case of second degree students, toward the second degree) at least 45 credit hours of work in residence at UNC Greensboro and has earned the requisite grade point average.

## **Majors, Minors, Double Majors and Simultaneous Degrees Policy**

### **Major**

The major is a field of study in which a student must specialize in an academic discipline or interdisciplinary area of study by taking a minimum of 27 credit hours in a specified selection of courses in the subject matter(s) as a part of the requirements for completion of an undergraduate degree program. All students must complete the requirements for at least one major, in addition to general education requirements, to successfully earn a bachelor's degree. The major appears on the transcript.

All undergraduate degree-seeking students must meet the requirements to declare and be accepted into a major prior to the completion of 60 credits of credit. Transfer students entering with more than 60 credits must declare and be accepted into a major prior to registration of their first term at UNC Greensboro.

The student may declare the major in one of the following ways:

- Upon completion of the initial undergraduate freshman, transfer, or international admissions application.
- By formal request to the department of the new degree program.

### **Concentration**

A concentration is a structured plan of study within select majors comprising a specified cluster of courses. The requirements for a concentration are determined by the department. The concentration appears on the transcript.

### **Minor**

A minor represents an optional, secondary field of study for a degree-seeking student; no student may declare a major and a minor in the same discipline. A minor requires additional coursework beyond what is already required for a related major. The minor appears on the transcript.

### **Pre-Major**

A pre-major is a designated pathway for interested undergraduate students to gain entry into a UNC Greensboro undergraduate major/degree program. A pre-major functions principally as an advising tool that helps departments guide interested students into required preparatory coursework and to advise them on any other major requirements.

Acceptance or assignment into a pre-major does not guarantee acceptance into the associated major.

## Preprofessional Programs

UNC Greensboro offers all courses required for admission to certain professional schools. The Pre-Professional Programs are not majors, but areas of interest. Students must select another academic area as the major.

## Double Major

A student who fulfills the specified requirements for two different majors under a single degree program (e.g. B.A., B.S.) prior to graduation completes a double major. For example, a student may complete a Bachelor of Arts (B.A.) with majors in Music and Political Science or a Bachelor of Science (B.S.) with majors in Psychology and Business Administration.

The successful completion of prerequisite and curriculum requirements for both majors are required in order to complete the degree program with a double major. A student must declare a primary major and fulfill the General Education requirements of the primary major. For double majors, one diploma is issued and both majors are recorded on the student's transcript.

## Simultaneous Degrees

A student who fulfills the specified requirements for distinct programs from different degrees prior to graduation will be awarded simultaneous degrees. For example, a student may complete a B.A. in Economics and a B.S. in Physics. Successful completion of prerequisite and curriculum requirements for each degree is required in order to complete both degrees. In order to graduate, the student must complete two graduation applications (one application for each degree). For students who receive simultaneous degrees, two diplomas are issued, and both degrees and majors are listed on the student's transcript. The major selected for the additional simultaneous baccalaureate degree must be in a different academic discipline from that of the other simultaneous degree.

## Change of Degree Program, Major, Concentration, and/or Minor

An undergraduate student may change the degree program which consists of major and/or concentration and/or minor and may enroll in a new degree program provided that the student meets the prerequisites for admission to the new degree program. See Student Catalog Year Policy for establishing the requirements for the changed degree.

The change of degree program (major, concentration, or minor) must be requested through and approved by the department of the new degree program. The department will submit the approval to the University Registrar's Office for processing.

A student who has earned 60 or more credit hours cannot change his/her major to Exploratory/Undecided.

## Second Baccalaureate Degree

Students who have previously earned bachelor's degrees from UNC Greensboro or other accredited institutions may apply to a program leading to a second baccalaureate degree. The major selected for the second baccalaureate degree must be in a different academic discipline from that of the first degree.

Students seeking a second baccalaureate degree must:

- Complete no fewer than 31 credits at UNC Greensboro within the second baccalaureate degree requirements.
- Achieve a minimum grade point average of 2.0 on all work attempted toward the second degree.
- Satisfy all requirements for the second degree.

Students who hold a baccalaureate degree from an accredited institution will not be required to satisfy the UNC Greensboro General Education Requirements for the second degree.

## Baccalaureate Minor After Degree Awarded

Students who have earned a bachelor's degree from UNC Greensboro may not enroll in a program of study leading solely to a minor.

# Steps to Graduation

By the beginning of the semester or summer session in which graduation is expected, undergraduates must officially apply for graduation to the University Registrar. Fulfillment of all requirements for the degree applied for, as well as official application for the degree, are the student's responsibilities.

## Academic Requirements

Candidates for a baccalaureate degree must satisfy all of the specific requirements of UNC Greensboro and of the School/College and department in which they major. They must present for graduation the specific number of semester hours required for the degree with a minimum cumulative overall grade point average of at least 2.0 on all credits undertaken.

At least 36 of the total credits for the degree must be at the 300 level or above.

## Graduation Requirements

Students must complete the specific number of credits required for the degree with a minimum cumulative overall grade point average of at least 2.0 on all hours undertaken; at least 36 of the total credits for the degree must be at the 300 level or above; all students must complete at least 31 credits in residence at UNC Greensboro for the degree.

## Residence Requirements

All students must complete at least 31 credits in residence at UNC Greensboro for the degree, 12 of which must be in the major field and 9 of which must be in the minor if a minor is sought. After enrollment, Extension credit and Correspondence courses offered by UNC Greensboro are considered residence credit; however, credit earned by special examination is not considered residence credit.

## Time Requirements

### Minerva's Academic Curriculum (MAC) and Communicating Ideas in Context (CIC) Requirements

Minerva's Academic Curriculum (MAC) is UNC Greensboro's General Education program. Communicating Ideas in Context (CIC) are additional requirements that apply to College of Arts and Sciences majors. The following policies regard time allowed for completion of MAC and MAC + CIC requirements. The Office of the University Registrar can provide additional details.

Students must meet the General Education requirements and, if applicable, the College of Arts and Sciences additional requirements (CIC) for graduation as stated in this University Catalog in effect at the time of original enrollment at UNC Greensboro. If the student fails to graduate within seven years, however, the university \* has the option of enforcing:

1. The original requirements, or
2. The MAC and CIC requirements in effect at the time the seven year period expired, or

3. The MAC and CIC requirements in effect at the time of re-enrollment if the student withdrew.

\* *Typically, the UNC Greensboro Office of the University Registrar will make the choice among these options in consultation with the department in which the student chooses to major.*

### **Major Requirements**

Students must meet the departmental major requirements in effect when the student declares or, if required by the department, is formally admitted to a school/college major. If the student fails to graduate within seven years, however, the university\* has the option of enforcing:

1. The original requirements,
2. The major requirements in effect at the time the seven year period expired, or
3. The major requirements in effect at the time of re-enrollment if the student withdrew.

\* *Typically, the department in which the student chooses to major will make the choice among these options in consultation with the UNC Greensboro Office of the Dean of Undergraduate Studies.*

### **Application for Graduation**

All undergraduate students are required to file an application for graduation with the University Registrar's Office at the beginning of the semester in which they plan to graduate. The online degree application is available via UNCGenie.

This application is required for processing the final degree audit and for printing diplomas. See the topic Miscellaneous Fees and Expenses in the Expenses, Payments, and Refunds section. The fee is nonrefundable. The deadline dates for filing are also published each year in the Academic Calendar and on the University Registrar's Office website.

Students who do not graduate in the semester for which they file a graduation application must refile for the next term in which they expect to complete their degrees.

Applications are accepted for a short period of time beyond the published deadlines in order to allow for extenuating circumstances; however, once the application for a term is disabled and deemed closed, students must apply to graduate for the next available term. These deadlines are not negotiable as notification of the candidates for graduation are submitted to the Board of Trustees for official action shortly after the deadline dates for filing each term.

### **Graduation with Latin Honors**

Graduation with Latin honors is based on all courses (including the last semester's work) for which grades and grade points are given. Any senior is eligible for honors who, at the end of the senior year, has completed at least 45 credits of work in residence at UNC Greensboro. This does not include hours for which credit and grade points have been received by special examinations. Honors information printed in the commencement program is based on course work completed through the previous semester, as is the list provided for the purchase of honor cords.

Latin honors are awarded to graduating seniors as follows:

Summa cum laude (with highest honor)

achievement of a minimum grade point average of 3.90

Magna cum laude (with great honor)

achievement of a minimum grade point average of 3.70

Cum laude (with honor)

achievement of a minimum grade point average of 3.50

### **Commencement Ceremonies**

Commencement ceremonies are held in May and December of each year; there is no formal ceremony in August. The names of August degree recipients are printed in the December commencement program and listed on the University Registrar's Office website. Visit <http://commencementcentral.uncg.edu> for information about the commencement ceremonies.

### **Commencement Participation Policy**

Approved by the Chancellor, February 19, 2003

Students completing all degree requirements by the end of the spring semester are encouraged to participate in May Commencement.

Students completing degree requirements by the end of the fall semester are encouraged to participate in the December Commencement. There is no ceremony in August for summer graduates.

Students completing degree requirements by the end of the Summer Session may participate in either the May (preceding the completion of the summer term) or the December (following the completion of the summer term) commencement ceremony by applying to graduate for the summer term, paying the graduation fee, and completing the RSVP form found at <http://commencementcentral.uncg.edu>. Note that the names of August graduates appear only in the December commencement program.

*Please note: Degree candidates will neither earn degrees nor be graduated from the university until they have completed all degree requirements. Participation in a commencement ceremony does not presume graduation from the university.*

Students who do not apply for graduation before the published deadline for any semester must apply for graduation during the next semester. Students who have applied for graduation but fail to meet the requirements must reapply for graduation by the published deadline for the semester in which they will fulfill the requirements.

Degrees are conferred only after all requirements are completed and the Board of Trustees has taken official action.

Visit <http://commencementcentral.uncg.edu> for information about the commencement ceremonies.

## **Withdrawal from the University**

Undergraduate students who find that they must withdraw from the university can do so by withdrawing from all courses through UNCGenie. Undergraduates who withdraw from all courses are considered to be withdrawn from the university and must seek reactivation or readmission through Undergraduate Admissions to return to school in subsequent terms.

Students withdrawing from the university within the first eight weeks of the term will be indicated on the transcript with a grade of WT (Withdrawn - Total). All WT courses count as attempted hours and are subject to financial aid and Satisfactory Academic Progression rules and

calculations; they do not count in academic standing calculations or GPA calculation.

# Undergraduate Requirements

- General Education Program (p. 848)
- Student Learning Outcomes Assessments (p. 849)
- Undergraduate Degrees and Degree Requirements (p. 849)

## General Education Program

### Minerva's Academic Curriculum (MAC)

[mac.uncg.edu \(https://success.uncg.edu/undergraduate-studies/minervas-academic-curriculum/\)](https://success.uncg.edu/undergraduate-studies/minervas-academic-curriculum/)

Minerva's Academic Curriculum (MAC) focuses on the development of eleven foundational competencies (in 33–34 credit hours) that are important for learning in college and life. MAC courses represent a wide range of academic fields that will introduce students to discoveries of the past and to cutting-edge research that's happening on campus. Through MAC coursework, undergraduate students will engage in learning experiences to achieve 11 competencies across disciplines, totaling 33–34 credit hours depending on individual course hour structure.

Other requirements and opportunities in the major program, the minor program (if applicable), and the total undergraduate experience build on the foundation of MAC courses and contribute to the attainment of these goals.

## Competencies and Requirements

### Foundations

#### Requirement: 3 credits

#### Schedule Attribute: MAC Foundations

Foundations courses connect students to the campus community by combining university transition content, information literacy, and transferable skills to facilitate academic and personal development.

### Written Communication

#### Requirement: 3 credits

#### Schedule Attribute: MAC Written Communication

Written Communication courses intensively focus on the teaching and learning of transferable writing strategies, including invention, arrangement, style, and revision.

### Oral Communication

#### Requirement: 3 credits

#### Schedule Attribute: MAC Oral Communication

Oral Communications courses intensively focus on student development of oral communication knowledge and abilities, including presenting and interacting in contexts such as public speaking, interpersonal communication, and group communication.

### Quantitative Reasoning

#### Requirement: 3 credits

#### Schedule Attribute: MAC Quantitative Reasoning

Quantitative Reasoning courses prepare students to apply mathematical reasoning to formulate and solve problems from a variety of contexts and real-world situations.

### Health and Wellness

#### Requirement: 3 credits

#### Schedule Attribute: MAC Health and Wellness

Courses in this competency focus on health and wellness as well as information literacy. These courses provide explicit instruction in how to understand decisions as they impact the health and wellness of individuals or communities.

### Critical Thinking and Inquiry in the Humanities and Fine Arts\*

#### Requirement: 3 credits

#### Schedule Attribute: MAC CritThink Hum and Fine Art

*\*Exclusion: Each of the three Critical Thinking and Inquiry competencies must be taken from a different department. (FMS, HSS, and RCO courses are not subject to this exclusion.)*

Through these courses, students acquire a working knowledge of the foundational tools for reasoning, including constructing sound arguments, evaluating the quality of evidence, and forming judgments about the evidence, arguments, and conclusions of others in Humanities and Fine Arts disciplines.

### Critical Thinking and Inquiry in the Social and Behavioral Sciences\*

#### Requirement: 3 credits

#### Schedule Attribute: MAC Crit Think Soc and BehavSci

*\*Exclusion: Each of the three Critical Thinking and Inquiry competencies must be taken from a different department. (FMS, HSS, and RCO courses are not subject to this exclusion.)*

After completing courses in this competency, students should have a working knowledge of the foundational tools for reasoning, including constructing sound arguments, evaluating the quality of evidence, and forming judgments about the evidence, arguments, and conclusions of others in Social and Behavioral Science disciplines.

### Critical Thinking and Inquiry in the Natural Sciences\*

#### Requirement: 3 or 4 credits

#### Schedule Attribute: MAC CritThink Nat Sci

*\*Exclusion: Each of the three Critical Thinking and Inquiry competencies must be taken from a different department. (FMS, HSS, and RCO courses are not subject to this exclusion.)*

In the context of natural sciences, critical thinking means explaining, predicting, and reasoning about the behavior of natural systems, or the outcomes of observations or measurements, using arguments based on established scientific principles and models. In the context of natural sciences, inquiry means developing, deepening, refining, or extending concepts, principles, and models to explain natural systems, based on empirical observations.

### Global Engagement and Intercultural Learning through the Humanities and Fine Arts or through the Social and Behavioral Sciences

#### Requirement: 3 credits

#### Schedule Attribute: MAC Global and Intercultural

Courses in this competency provide students with knowledge and critical understanding of similarities and differences across world cultures over time and emphasize the development of global perspectives and skills to engage cross-culturally.

## Diversity and Equity through the Humanities and Fine Arts OR through the Social and Behavioral Sciences

**Requirement: 3 credits**

**Schedule Attribute: MAC Diversity and Equity**

Courses designated in this competency focus on systems of oppression, structures of power, and institutions, while making connections to US or global societies and examining intellectual traditions that address systems of injustice.

## Data Analysis and Interpretation in the Natural Sciences

**Requirement: 3 or 4 credits**

**Schedule Attribute: MAC Nat Sci Data Analysis**

Courses in this competency foreground the role of quantitative data analysis and interpretation of empirical information in the development of scientific theories and models. Most courses meeting this requirement will include a laboratory section, so students can have adequate hands-on experience working with data in context.

## Students Transferring to UNC Greensboro

Please refer to the Comprehensive Articulation Agreement topic on Course Credit Regulations and Limits page of the Academic Regulations and Policies section (p. 838).

Students who transfer to UNC Greensboro will automatically have their transcripts evaluated for equivalency with MAC. Students can also petition to have particular transfer courses evaluated for particular competencies, via the General Education Petition for Transfer Credit. Questions may be directed to the Office of the Dean of Undergraduate Studies.

A North Carolina community college student who satisfactorily completes, with a grade of "C" or better, courses identified in the Universal General Education Transfer Component will receive credit applied toward the MAC course requirements.

## Student Learning Outcomes Assessments

UNC Greensboro requires students to participate in student learning outcomes assessments from time to time prior to their graduation. Most of these activities consist of in-class assessments. However, students may also be invited to complete tests measuring other learning outcomes such as information literacy or critical thinking. These tests may occur outside of the classroom and at different times in a student's career. Scores on these tests are not used to evaluate students on an individual basis, but are used to evaluate learning across the university's programs. Participation is expected.

## Undergraduate Degrees and Degree Requirements

### Undergraduate Degrees

UNC Greensboro offers six baccalaureate degrees:

- B.A. Bachelor of Arts
- B.F.A. Bachelor of Fine Arts
- B.M. Bachelor of Music
- B.S. Bachelor of Science

- B.S.N. Bachelor of Science in Nursing
- B.S.W. Bachelor of Social Work

### Requirements for a Bachelor's Degree

A bachelor's degree from UNC Greensboro is awarded to a student who has met the following requirements:

1. Successful completion of a minimum of 120 credit hours, distributed as follows:
  - a. General Education Program—Minerva's Academic Curriculum (MAC): 33–34 credits
  - b. Additional College/School requirements
  - c. Major subject and related areas: as required by program
  - d. Electives: as required by program

**Total minimum credits: 120**
2. A grade point average on the credits attempted of not less than 2.0
3. At least 36 credits of courses at the 300 course level or above
4. At least 31 credits in residence at UNC Greensboro, 12 of which must be in the major field and nine (9) of which must be in the minor if a minor is sought

The College of Arts and Sciences and each of the five professional academic units—Joseph M. Bryan School of Business and Economics; School of Education; School of Health and Human Sciences; School of Nursing; and the College of Visual and Performing Arts—have structured their individual degree programs to comply with this all-university degree framework.

### Average Time To Graduation

Many factors affect both the length of time and the number of credit hours an individual student will require to complete the baccalaureate degree. Full-time undergraduate students are expected to complete at least 12 credit hours per semester. Failure to complete an average of 15 credits per semester may lengthen the student's time to graduation. Some majors do require formal admission beyond that required for admission to the university in general.

Students should meet with their academic advisors regularly to plan their academic schedules. To graduate, students must complete specific university requirements as well as requirements within the major. Students who change majors may find that additional requirements must be fulfilled. Changing majors excessively, or after the third or fourth semester of study, may also lengthen the time to graduation.

Criteria for admission to a specific major (outlined in the University Catalog) and continuation in that major may include a university grade point average exceeding that required for continuation within the university as a whole. Students considering such majors should become familiar with the guidelines, and work with an academic advisor, as soon as possible to ensure that they meet the criteria.

### Changes In Degree Requirements And Other Regulations

The University reserves the right to make changes as required in course offerings, curricula, academic policies, and other rules and regulations affecting students, to be effective whenever determined by the University. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

# University Policies

- Academic Integrity Policy (p. 850)
- Auditing Courses (p. 850)
- Class Attendance (p. 850)
- Copyright Compliance Policy (p. 851)
- Discriminatory Conduct Policy (p. 851)
- Drug and Alcohol Policy and Operational Procedures (p. 852)
- Dual Registration as Undergraduate and Graduate (p. 852)
- Immunization Clearance (p. 852)
- Online Sections and Online Programs Policy (p. 852)
- Sexual Harassment (Title IX Policy) (p. 852)
- Student Catalog Year Policy (p. 852)
- Student Code of Conduct (p. 853)
- University Directory Information (p. 853)
- Withdrawal for Students Called to Active Military Duty (p. 853)

## Academic Integrity Policy

First responsibility for academic integrity lies with individual students and faculty members of the UNC Greensboro community. A violation of academic integrity is an act harmful to all other students, faculty and, ultimately, the entire community. Specific information on the Academic Integrity Policy and obligations of faculty and students may be found online at <http://academicintegrity.uncg.edu> (<http://academicintegrity.uncg.edu/>). Names of College and School members of the Academic Integrity Advisory Group may be found online at this site as well. For more information, please contact the Office of Student Rights and Responsibilities at 336-334-4640.

## Auditing Courses

Current UNC Greensboro students may audit courses upon the written approval of the instructor. Auditors must register officially for the class. Attendance, preparation, and participation in the classroom discussion and laboratory exercises shall be at the discretion of the instructor. An auditor is not required to take examinations and tests and receives no credit for the course.

Registration may not be changed from audit to credit or from credit to audit status after the end of schedule adjustment.

A full-time UNC Greensboro student (registered for 12 or more credit hours) may audit one course per semester without an additional fee. A part-time UNC Greensboro student (registered for fewer than 12 credits) may audit no more than two courses per semester and is charged a \$15.00 fee for each audited course.

See the Auditors topic in the Admission to the University section for auditing options other than current UNC Greensboro students.

## Class Attendance

Regular class attendance is a responsibility and a privilege of university education. It is fundamental to the orderly acquisition of knowledge. Students should recognize the advantages of regular class attendance, accept it as a personal responsibility, and apprise themselves of the consequences of poor attendance. Instructors should stress the importance of these responsibilities to students, set appropriate class

attendance policies for their classes, and inform students of their requirements in syllabi and orally at the beginning of each term.

## Student's Responsibility

1. Knowledge of each instructor's attendance policy and monitoring his or her class absences throughout the term.
2. Familiarity with all materials covered in each course during absences and make-up of any work required by the instructor.
3. Inform each instructor as far in advance as possible when conflicts or absences can be anticipated (e.g., athletic team events, work, medical procedures, religious observances, etc.) by e-mail, phone, or by contacting the main office of the department that offers the course.
4. Provide appropriate documentation so that each instructor can make an informed decision as to whether or not the absence is excusable.
5. Initiation of requests to make-up work missed because of class absences. The decision to assist the student with make-up work, including tests, rests with the instructor.
6. Follow-up on all notices from the Registrar regarding course enrollment in order to correct registration.

## Instructor's Responsibility

1. Setting of reasonable regulations for class attendance as appropriate for class content, organization, methodology, and size.
2. Description of attendance policies in course syllabi and announcement in class, particularly at the beginning of each term.
3. Maintenance of class attendance records of enrolled students as appropriate for the attendance policy.
4. Exaction of penalties for unsatisfactory class attendance. Possible penalties are lowering the course grade, including a grade of F, and, in extreme circumstances, dropping the student from the course.

## Dean of Students Office Responsibility

1. Notify each instructor on the student's behalf when personal reasons (e.g., family emergency, illness, bereavement, birth of a child, military duty, etc.) prevent the student from properly notifying each instructor because of circumstances beyond the student's control. The student or the student's representative should contact the Dean of Students Office (336-334-5514) if the student is unable to make direct contact by e-mail or phone with each instructor or is unable to leave word with each instructor's department.
2. Review documentation by a licensed health professional and confirm its receipt with each instructor if the student experiences a medical or psychological event that significantly impairs their ability to function successfully or safely as a student.

The student should be aware that assistance of the Dean of Students Office does not change in any way the outcome of the instructor's decision regarding the student's academic work, grades and performance in any given course.

## Religious Observance

*Approved by the Office of the Provost, August 2010*

1. The university allows for a limited number of excused absences each academic year for religious observances required by the faith of the student.
2. Students must notify instructors of absences in advance of the date of the religious observance. Instructors have the authority to specify, via written notice to students, the amount of lead time required and

may require that the nature of the religious observance be specified and the student's participation be confirmed in writing by an official of the religious organization.

3. When appropriate notice is provided by a student, the student must be granted at least two excused absences per academic year under this policy and must be allowed to make up or waive work and tests missed due to these particular absences. With regard to any test or other assignment that a student would miss due to notice of a required religious observance, faculty members may require the student to complete the test or assignment in advance of the originally scheduled date of the test or assignment. Beyond the minimum terms and limits of this policy, instructors maintain authority to establish and enforce the attendance policy for the courses they are teaching.
4. The requirement for students to make such requests for excused absences applies only to days when the university is holding class.

## Appeals

If a student thinks there is a discrepancy between the instructor's exaction of a penalty for unsatisfactory class attendance and the stated policy or that there is an extenuating circumstance that may affect the instructor's decision, then he or she should first make a request to the instructor. If desired, the student may further appeal to the Department Head, the Dean of the School or College, and the Provost, in that order.

### Cancellation for Non-Attendance

In circumstances in which a student was charged for or received a grade for a class that they never attended, the student should request a Cancellation of Course(s) for Non-Attendance through the University Registrar's Office. The student is responsible for demonstrating eligibility for cancellation under this policy. Cancellations cannot be processed for students who attended a class, even one time. (Important note: Class attendance for online courses is tracked based on a student's log-in records and activity in Canvas or relevant online Learning Management System). Requests for Cancellation of Course(s) for Non-Attendance must be submitted within one year of the term in which the courses were taken. No cancellations will be made once a student has been awarded a degree for a course on record previous to that degree's award. Once verified with instructors, all requested courses will be removed from a student's registration and will not display on a transcript.

## Copyright Compliance Policy

The following is reprinted from The University Policy Manual and can be accessed at [https://policy.uncg.edu/university-policies/copyright\\_compliance](https://policy.uncg.edu/university-policies/copyright_compliance).

The University of North Carolina at Greensboro promotes the responsible and ethical adherence to intellectual property rights. This policy seeks to promote this goal. All students, faculty, staff, and authorized affiliates of the University are expected to comply with United States copyright laws. These laws apply to copyright-protected materials regardless of whether they are reproduced in digital, electronic, print, or other form. Copyright ownership by members of the University community is addressed in the Copyright Ownership and Use Policy.

All users of University technology resources must abide by the guidelines set forth in the Acceptable Use of Computing and Electronic Resources Policy ([https://policy.uncg.edu/university-policies/acceptable\\_use](https://policy.uncg.edu/university-policies/acceptable_use)). Unauthorized replication, installation, or distribution of copyright protected material is prohibited. Users who download software that is not covered by an existing license may be held personally liable for any

legal claims or litigation that should ensue due to the illegal use of such software.

Copyright infringement notifications will be acted upon in accordance with the requirements of the Digital Millennium Copyright Act (DMCA) ([https://uncg.service-now.com/KB0010428&sys\\_kb\\_id=46f412af1bab4cd478617](https://uncg.service-now.com/KB0010428&sys_kb_id=46f412af1bab4cd478617) U.S.C. 512(c)(3) by the DMCA Agent, following established procedures. Violations of the DMCA may result in denial of access to University computing equipment and systems, and to disciplinary action.

Allegations of copyright infringements found on University computer resources should be sent to:

DMCA Agent  
Information Technology Services  
235 Bryan Building  
The University of North Carolina at Greensboro  
P.O. Box 26170  
Greensboro, NC 27402-6170  
[dmca\\_agent@uncg.edu](mailto:dmca_agent@uncg.edu)

## Discriminatory Conduct Policy

The following is reprinted from The University Policy Manual and can be accessed at [https://policy.uncg.edu/university\\_policies/discriminatory-conduct/](https://policy.uncg.edu/university_policies/discriminatory-conduct).

The University of North Carolina at Greensboro is committed to the principle that educational and employment decisions should be based on an individual's abilities and qualifications and should not be based on personal characteristics or beliefs that have no relevance to academic ability or to job performance. Accordingly, UNC Greensboro supports policies, curricula and co-curricular activities that encourage understanding of and appreciation for all members of its community. UNC Greensboro will not tolerate any harassment of or discrimination against persons. UNC Greensboro is committed to equal opportunity in education and employment for all persons and will not tolerate any discrimination against or harassment of persons on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, political affiliation, genetic information, veteran status, disabling condition, or age.

This policy applies internally as well as to the University's relationships with outside organizations, except to the extent that those organizations, including the federal and State government, the military, ROTC, or private employers do not yet recognize sexual orientation as protected.

The University's educational and employment practices are consistent with Section 103 of The Code of The University of North Carolina. In addition, the University complies with North Carolina General Statutes 126-16 and 126-17, Title VII of the Civil Rights Act of 1964, as amended, the Civil Rights Restoration Act of 1988, Title IX of the Education Amendments of 1972, the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, the Vietnam Era Veteran's Readjustment Assistance Act of 1974, and other federal and state laws relating to discrimination in educational programs and employment. In accord with Executive Order 11246, the University has in place an Affirmative Action Plan which states the University's commitment to the concept and practice of equal employment opportunity for all persons regardless of race, color, religion, sex, sexual orientation, gender identity, national

origin, political affiliation, genetic information, veteran status, disabling condition, or age.

Any employee who believes he or she has been treated unfairly based on any of the above characteristics should contact his or her immediate supervisor, or the next level supervisor if the immediate supervisor is the subject of the allegation. Students should contact the Office of Student Affairs.

Retaliatory action of any kind will not be tolerated against any person for making a good faith report of discrimination or on the basis of that person's participation in any allegation, investigation or proceeding related to the report of discriminatory conduct. Every UNC Greensboro employee and student is charged with the responsibility to be aware of and abide by this policy. Failure to abide by this policy may subject the violator to disciplinary action up to and including dismissal.

## **Drug and Alcohol Policy and Operational Procedures**

The University of North Carolina at Greensboro seeks to maintain an environment supporting the pursuit and dissemination of knowledge. The use of illegal drugs by any member of the community interferes with the activities through which the University meets its goals, and the use of illegal drugs will not be tolerated. The University will take all actions necessary, consistent with federal, state, and local laws, and University policy, to eliminate illegal drugs from the University community. The Policy on Illegal Drugs can be found at [https://policy.uncg.edu/university\\_policies/illegal-drugs](https://policy.uncg.edu/university_policies/illegal-drugs) ([https://policy.uncg.edu/university\\_policies/illegal-drugs/](https://policy.uncg.edu/university_policies/illegal-drugs/)).

Additionally, UNC Greensboro is committed to sustaining an environment that enables members of our community to acquire knowledge, develop intellectual skills, and become more thoughtful and responsible members of a global society. The University recognizes the improper and excessive use of alcohol may negatively affect the health and safety of students, faculty, staff, and the Greensboro community. The full Illegal Use or Abuse of Alcohol Policy and Resources can be found at [https://policy.uncg.edu/university\\_policies/illegal-use-or-abuse-of-alcohol](https://policy.uncg.edu/university_policies/illegal-use-or-abuse-of-alcohol) ([https://policy.uncg.edu/university\\_policies/illegal-use-or-abuse-of-alcohol/](https://policy.uncg.edu/university_policies/illegal-use-or-abuse-of-alcohol/)).

## **Dual Registration as Undergraduate and Graduate**

The requirements for undergraduate students to register for graduate-level courses are provided in the Graduate Policies (p. 807) section.

## **Immunization Clearance**

Students who have been admitted to UNC Greensboro are required by North Carolina State law to submit an immunization form with appropriate verification of immunizations. This form is supplied by the admitting office and must be satisfactorily completed and returned to Gove Student Health Center. Failure to comply with this requirement within thirty calendar days from the first day of registration may result in the student's being administratively withdrawn from the university. For detailed information see <https://shs.uncg.edu/immunizations> (<https://shs.uncg.edu/immunizations/>). Students subjected to an administrative withdrawal for failure to comply with medical clearance requirements are entitled to a refund, subject to the guidelines of the Refund Policy.

## **Online Sections and Online Programs Policy**

Students in online programs are restricted to enrollment in online sections.

Online sections with regular meetings patterns, including optional meeting patterns, must have meeting days and times scheduled in the student information system and published in the schedule of courses prior to registration. These sections are synchronous in delivery method.

Online sections without mandatory and/or optional meeting patterns shall not have meeting days and times scheduled in the student information system nor shall instructors impose them once the registration schedule is posted. These sections are asynchronous in delivery method.

## **Sexual Harassment (Title IX Policy)**

The University prohibits Sex and Gender- Based Harassment and Discrimination, including, Sexual Assault, Domestic Violence, Dating Violence, and Stalking, collectively, "Sexual Harassment." The Sexual Harassment policy and ensuing conduct processes are intended to address student, faculty, and staff misconduct in accordance with UNC Greensboro's community expectations. The University will take prompt and equitable action to eliminate Sexual Harassment, prevent its recurrence, and remedy its effects. The University conducts ongoing prevention, awareness, and training programs for Employees and Students to facilitate the goals of this policy. Further, the University is committed to: (1) fostering a community in which Sexual Harassment is not tolerated; (2) cultivating a climate where all individuals are well-informed and supported in reporting Sexual Harassment; (3) providing a fair and impartial process for all parties; and (4) identifying the standards by which violations of this policy will be evaluated and disciplinary action may be imposed. Employees or Students who violate this policy may face disciplinary referral to the Office of Student Rights and Responsibilities, Human Resources, or the Office of the Provost. For the full policy on Title IX, see [https://policy.uncg.edu/university\\_policies/title-ix-policy](https://policy.uncg.edu/university_policies/title-ix-policy) ([https://policy.uncg.edu/university\\_policies/title-ix-policy/](https://policy.uncg.edu/university_policies/title-ix-policy/)).

## **Student Catalog Year Policy**

*Effective April 30, 2021. Revised April 28, 2022. Revised January 26, 2023.*

The Academic Catalog is the publication that documents all academic policies, regulations, and program requirements for a given academic year for all Undergraduate and Graduate students and programs.

A student's catalog year identifies the particular set of curriculum requirements and regulations, including general education and university requirements, in effect for program completion. The catalog year is established for the individual student upon declaration or change of the program.

Students moving to a program not established in their existing catalog year must move to the current catalog year.

Any student may change a catalog year without a change of program or minor only to a more recent catalog. The student may request this change formally through their advisor.

Any student who has been inactivated must reapply for admission to the university. If admitted, the student will be assigned to the catalog requirements for the program in effect for the re-admit term.

Undergraduate students declaring or changing their academic program may elect to remain in their existing catalog year and general education program, or they may change to their catalog year and general education program to the current effective term.

Students must complete the program requirements and general education program for the catalog year they are in.

## Student Code of Conduct

All students are responsible for conducting themselves in a manner that helps enhance an environment of learning in which the rights, dignity, worth, and freedom of each member of the academic community are respected. The full UNC Greensboro Student Code of Conduct can be found at <https://osrr.uncg.edu/attorneynon-attorney-information/student-code-of-conduct> (<https://osrr.uncg.edu/attorneynon-attorney-information/student-code-of-conduct>).

## University Directory Information

The University Registrar's Office maintains student demographic data and provides it for the online University Directory.

### Release of Student Directory Information

Unless a student requests in writing to the contrary, federal law permits the university to release Directory Information to the public without the student's consent.

Directory Information is information in a student's education record that would not generally be considered harmful or an invasion of privacy if disclosed. At UNC Greensboro, Directory Information consists of:

- Student's first and last name
- Major field of study
- Dates of attendance
- Enrollment status
- Anticipated graduation date
- Degrees awarded
- Awards (including scholarships)

Additionally, UNC Greensboro designates some information as Limited-Use Directory Information. The use and disclosure of this information is restricted to: (1) university officials who have access, consistent with FERPA, to such information and only in conjunction with a legitimate educational interest and (2) external parties contractually affiliated with the university, provided such affiliation requires the sharing of Limited-Use Directory Information. Limited-Use Directory Information consists of:

- Local and permanent address
- Student e-mail address
- County, state, or US territory from which the student originally enrolled
- Telephone numbers
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams

- The most recent previous educational agency attended by the student

### Suppression of Student Directory Information

Under the 1974 Family Educational Rights and Privacy Act (FERPA), the student has the right to request in writing that the disclosure of this information be withheld from persons outside the university. Please note that this information can only be suppressed from the public, not from university officials. The suppression request includes both Directory Information and Limited-Use Directory Information as defined by UNC Greensboro policy.

A student must file a form requesting suppression of information with the University Registrar's Office. A request to suppress information must be filed while the student is still enrolled at the university.

Once a student's information is suppressed, it will not be printed in the Commencement Program upon the student's graduation, without the student's written consent. The suppression of information remains in effect until revoked in writing by the student, even after the student is no longer enrolled at the university. Former students may request in writing that earlier suppression requests be revoked.

### Parents' Information

Information concerning parents of students (names, addresses, phone numbers, etc.) is not made available as it is not considered directory information.

### Release of Grades and GPA Information

Grades and grade point averages are never released to agencies or persons outside the university without the written consent of the student, unless otherwise provided for by law. Grades and GPA information are not given out over the telephone.

## Withdrawal for Students Called to Active Military Duty

### Military Call-Up Policy

#### Leaving Prior to the Completion of a Term

A student voluntarily or involuntarily called for active military duty in the Armed Services Reserve or the National Guard is eligible to elect one of the following options for leaving prior to the completion of a term:

#### A. Complete Withdrawal Option (without academic penalty)

- Tuition and general fees are fully refundable.
- Health fees are generally fully refundable, except for students who have used UNC Greensboro health services. These students would be billed at the service rate to a maximum charge equivalent to the health fee. Students who have enrolled in the Student Health Insurance program should contact the Agent for information on a pro-rated refund of premium.
- Room and board is refunded based on the number of weeks the room is occupied and the meals consumed.
- The student is still responsible for all miscellaneous charges such as library fines, parking tickets, health service charges, etc.

In order to be eligible for a refund under these guidelines, the student must contact the University Registrar's Office and provide the following:

- a copy of his or her call-up papers; these serve as documentation for the refund of tuition and fees

- a mailing address to which the student would like the refund to be sent

The University Registrar's Office will notify appropriate offices of the student's withdrawal including Undergraduate Studies, the Graduate School, Financial Aid Office, Housing and Residence Life, and the Cashiers and Student Accounts Office.

In order for a student living in UNC Greensboro housing to receive a refund from the Department of Housing and Residence Life, room keys must be returned to the appropriate office.

If a student is receiving financial aid when called to active duty, financial aid must be repaid according to federal and state guidelines before a refund will be issued by the UNC Greensboro.

#### **B. Early Exam Option**

A student who is required to report for military duty not earlier than four calendar weeks prior to the date a semester ends as stated in the official catalog of the UNC Greensboro (or after completion of at least 75% of the enrollment period in a non-standard semester) may, when authorized by the instructor, take the final exam early and be given full credit for all courses that have an average grade of C or better. Students are not eligible for refunds for which they receive credit.

#### **C. Incomplete Grade Option**

A student who is required to report for military duty prior to the completion of a term may take a grade of incomplete in a course and complete it upon release from active duty. Course completion may be accomplished by independent study or by retaking the course without payment of tuition and fees. Under federal financial aid policies, a course that is retaken in this manner may not be counted toward a student's enrollment load. An eligible student who receives an incomplete for any course is not entitled to a refund of tuition or fees paid.

#### **Returning to UNC Greensboro Within the Same Term**

A student called for active duty and subsequently released within the time frame to re-enroll during the semester of withdrawal may pursue re-enrollment within the same term. UNC Greensboro will make every effort to accommodate the request. Individual contacts with faculty involved will determine appropriateness of returning to a course.

#### **Returning to UNC Greensboro at the Start of a New Term**

A student voluntarily or involuntarily called for active military duty in the Armed Services, Armed Services Reserves, or the National Guard who wants to return to UNC Greensboro must submit an application for readmission to UNC Greensboro Undergraduate Admissions.

The returning student is eligible to have the application fee waived if:

1. The student selects the option to pay by check during the application process.
2. The student notifies the UNC Greensboro VA Certifying Official of the intent to return and provides a copy of orders, confirming dates of call to active duty.

The re-enrolled student is technically ineligible to participate in early registration for the term of re-enrollment; however, UNC Greensboro will arrange a priority window to assist the student in returning with appropriate classes that are applicable toward the field of study.

# INDEX

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## A

About UNC Greensboro .....	784	Anthropology Undergraduate Minor .....	307
Academic Integrity Policy .....	850	Apparel Product Design (APD) .....	26
Academic Offices .....	774	Applied Economics, M.A. ....	582
Academic Program Terminology .....	802	Applied Geography, M.A. ....	369
Academic Recovery Seminar (ARS) .....	18	Applied Statistics, M.S. ....	445
Academic Regulations, Requirements, and Policies .....	801	Arabic (ARB) .....	26
Academic Renewal .....	841	Archaeology (ARC) .....	27
Academic Requirements and Limits for Undergraduates .....	836	Archaeology Undergraduate Minor .....	435
Academic Standing at UNC Greensboro .....	836	Art (ART) .....	27
Accounting (ACC) .....	18	Art, B.A. ....	497
Accounting and Finance .....	560	Art Education (ARE) .....	31
Accounting, B.S. ....	561	Art Education (K-12), B.F.A. ....	499
Accounting, M.S. ....	564	Art History (ARH) .....	31
Accounting Undergraduate Minor .....	564	Art History Undergraduate Minor .....	504
Accreditation Status .....	784	Art History Undergraduate Minor for Artists and Art Museum Studies ..	504
Add-On Licensure in Birth through Kindergarten .....	772	Art Second Academic Concentration .....	506
Add-On Licensure in Deaf and Hard of Hearing .....	645	Arts Administration (AAD) .....	34
Add-On Licensure Programs .....	662	Arts Administration, B.A. ....	498
Addiction Treatment, Post-Baccalaureate Certificate .....	622	Arts Administration Undergraduate Minor .....	504
Admission to the University .....	786	Asian Studies Undergraduate Minor .....	435
Advanced Data Analytics (IAA) .....	20	Astronomy (AST) .....	35
Advanced Materials, Post-Baccalaureate Certificate .....	741	Athletic Training, M.S.A.T. ....	700
Advanced Practice Foundations, Post-Baccalaureate Certificate .....	762	Auditing Courses .....	850
Advanced Spanish Language and Hispanic Cultural Studies, Post-Baccalaureate Certificate .....	411	<b>B</b>	
Advocacy and Public Writing Undergraduate Minor .....	346	Biochemistry, B.S. ....	317
African American and African Diaspora Studies .....	302	Bioinformatics (IAB) .....	35
African American and African Diaspora Studies (ADS) .....	20	Biology .....	308
African American and African Diaspora Studies, B.A. ....	302	Biology, B.A. ....	309
African American Studies Undergraduate Minor .....	303	Biology, B.S. ....	310
African Studies Undergraduate Minor .....	435	Biology (BIO) .....	35
Alternative Initial Teacher Licensure, Post-Baccalaureate Alternative Initial Teacher Licensure (PAIL) .....	648	Biology, M.S. ....	313
American Sign Language (ASL) .....	22	Biology Second Academic Concentration .....	313
American Sign Language Undergraduate Minor .....	403	Biology Undergraduate Minor .....	312
Analytical Instrumentation, Post-Baccalaureate Certificate .....	741	Birth Through Kindergarten .....	770
Anthropology .....	305	Birth-Kindergarten Initial Licensure, Post-Baccalaureate Certificate ....	771
Anthropology (ATY) .....	22	Birth-Kindergarten Interdisciplinary Studies in Education and Development, M.Ed. ....	770
Anthropology, B.A. ....	305	Business Administration, B.S. ....	599
Anthropology Second Academic Concentration .....	307	Business Administration (BUS) .....	43
		Business Administration, M.B.A. ....	568
		Business Administration, Ph.D. ....	604
		Business Analytics, Post-Baccalaureate Certificate .....	595

Business Foundations, Post-Baccalaureate Certificate .....	570	Comprehensive Transition and Postsecondary Education (CTP) .....	62
Business Undergraduate Minor .....	571	Computational Analytics (IAC) .....	63
<b>C</b>		Computational Mathematics, Ph.D. ....	449
Chancellor's List .....	841	Computer Science .....	334
Chemistry and Biochemistry .....	316	Computer Science, B.S. ....	334
Chemistry and Biochemistry (CHE) .....	46	Computer Science (CSC) .....	63
Chemistry and Biochemistry, Ph.D. ....	323	Computer Science, M.S. ....	336
Chemistry, B.A. ....	318	Computer Science, Ph.D. ....	338
Chemistry, B.S. ....	320	Computer Science Undergraduate Minor .....	336
Chemistry, M.S. ....	322	Conducting, Post-Baccalaureate Certificate .....	538
Chemistry Undergraduate Minor .....	322	Conservation, Post-Baccalaureate Certificate .....	373
Chinese (CHI) .....	51	Consortium (CNS) .....	70
Chinese Undergraduate Minor .....	403	Consumer, Apparel, and Retail Studies .....	572
Civic Leadership and Engagement Undergraduate Minor .....	464	Consumer, Apparel, and Retail Studies, B.S. ....	572
Class Attendance .....	850	Consumer, Apparel, and Retail Studies (CRS) .....	70
Classical Civilization (CCI) .....	52	Consumer, Apparel, and Retail Studies, Ph.D. ....	576
Classical Studies .....	325	Copyright Compliance Policy .....	851
Classical Studies, B.A. ....	325	Counseling and Counselor Education, Ph.D. ....	621
Classical Studies Second Academic Concentration .....	327	Counseling and Educational Development .....	618
Classical Studies Undergraduate Minor .....	327	Counseling and Educational Development (CED) .....	72
Classification of Students .....	838	Counseling, M.S. ....	619
Climate Justice, Post-Baccalaureate Certificate .....	372	Course Credit Regulations and Limits .....	838
Climate Justice Undergraduate Minor .....	364	Course Prefixes .....	802
College of Arts and Sciences .....	297	Course Selection .....	839
College of Visual and Performing Arts .....	493	Course Type Abbreviations with Instructional Delivery Method .....	803
Communication Sciences and Disorders .....	669	Course Withdrawal Policy .....	840
Communication Sciences and Disorders (CSD) .....	54	Courses .....	17
Communication Sciences and Disorders (IDEALL), Ph.D. ....	672	Creative Writing, M.F.A. ....	348
Communication Sciences and Disorders, Ph.D. ....	673	Creative Writing Undergraduate Minor .....	346
Communication Studies .....	329	Credit Hours .....	841
Communication Studies, B.A. ....	330	Cultural Analytics (IAL) .....	76
Communication Studies (CST) .....	57	Cultural Foundations and Social Justice Education, Post-Master's Certificate .....	626
Communication Studies, M.A. ....	332	Cyber Security, Post-Baccalaureate Certificate .....	596
Communication Studies Second Academic Concentration .....	332	<b>D</b>	
Communication Studies Undergraduate Minor .....	331	Dance, B.F.A. ....	510
Community and Therapeutic Recreation .....	675	Dance (DCE) .....	77
Community and Therapeutic Recreation (CTR) .....	60	Dance Education, M.A. ....	514
Community and Therapeutic Recreation Undergraduate Minor .....	679	Dance, M.A. ....	513
Community Health Education, M.P.H. ....	723	Dance, M.F.A. ....	513
Community Health Education, Ph.D. ....	724	Dance, Post-Baccalaureate Certificate .....	515
Community Recreation Undergraduate Minor .....	679	Dance, Post-Baccalaureate Licensure .....	515
Community Youth Sport Development Undergraduate Minor .....	699		

Dance Studies, B.A. ....	508	English, Ph.D. ....	351
Dance Undergraduate Minor .....	512	English Second Academic Concentration .....	347
Dean's List .....	841	English, Secondary Education, B.A. ....	343
Design and Making in Education, Post-Baccalaureate Certificate .....	662	English Undergraduate Minor .....	347
Design Studies Undergraduate Minor .....	389	Enterprise Resource Planning, Post-Baccalaureate Certificate .....	596
Dietetic Internship, Post-Baccalaureate Certificate .....	716	Entrepreneurship, B.S. ....	606
Digital Earth Technologies, Post-Baccalaureate Certificate .....	373	Entrepreneurship (ENT) .....	102
Digital Earth Technologies Undergraduate Minor .....	364	Entrepreneurship Undergraduate Minor .....	613
Discriminatory Conduct Policy .....	851	Environment and Sustainability, B.A. ....	354
Doctor of Nursing Practice, D.N.P. ....	759	Environment Undergraduate Minor .....	364
Drama, B.A. ....	546	Environmental Health Science, Ph.D. ....	314
Drama, B.F.A. ....	547	Environmental Humanities, Post-Baccalaureate Certificate .....	374
Drama, M.F.A. ....	553	Ethnomusicology, Post-Baccalaureate Certificate .....	539
Drama Undergraduate Minor .....	552	European Studies Undergraduate Minor .....	436
Drug and Alcohol Policy and Operational Procedures .....	852	Event Planning Undergraduate Minor .....	679
Dual Registration as Undergraduate and Graduate .....	852		

**E**

Early Childhood Development and Education, B.S. ....	686	Final Course Examinations .....	841
Economics .....	578	Finance, B.S. ....	562
Economics, B.A. ....	578	Finance (FIN) .....	105
Economics, B.S. ....	580	Forced Migration and Resettlement Studies Undergraduate Minor ....	718
Economics (ECO) .....	83	Foundations for Learning (FFL) .....	106
Economics of Health Analytics, Post-Baccalaureate Certificate .....	585	French and Francophone Studies Undergraduate Minor .....	403
Economics, Ph.D. ....	584	French (FRE) .....	106
Economics Undergraduate Minor .....	582	Freshman Seminars Program (FMS) .....	109
Educational Assessment, Post-Baccalaureate Certificate .....	635		
Educational Leadership and Cultural Foundations .....	623	<b>G</b>	
Educational Leadership and Cultural Foundations (ELC) .....	87	General Education Program .....	848
Educational Leadership, Ed.D. ....	624	Genetic Counseling .....	682
Educational Research, Measurement, and Evaluation, M.S. ....	629	Genetic Counseling (GEN) .....	110
Educational Research, Measurement, and Evaluation, M.S./Ph.D. ....	633	Genetic Counseling, M.S. ....	682
Educational Research, Measurement, and Evaluation, Ph.D. ....	634	Genetic Counseling Undergraduate Minor .....	682
Educational Research Methodology, Doctoral Minor .....	634	Geography, B.A. ....	358
Educational Research Methodology (ERM) .....	90	Geography, B.S. ....	361
Educational Studies, Ph.D. ....	625	Geography, Environment, and Sustainability .....	353
Educational Studies, Ph.D. ....	660	Geography, Environment, and Sustainability (GES) .....	111
eLearning, Post-Baccalaureate Certificate .....	437	Geography, Ph.D. ....	372
Elementary Education (K-6), B.S. ....	650	Geography Second Academic Concentration .....	368
English .....	341	Geography, Secondary Education, B.A. ....	360
English, B.A. ....	341	Geography Undergraduate Minor .....	366
English (ENG) .....	94	Geospatial Analytics (IAG) .....	119
English, M.A. ....	349	German (GER) .....	119
		German Undergraduate Minor .....	404

Gerontology (GRO) .....	121	Human Development and Family Studies, Doctoral Minor .....	692
Gerontology, M.S. ....	732	Human Development and Family Studies (HDF) .....	137
Gerontology, Post-Baccalaureate Certificate .....	735	Human Development and Family Studies, M.S. ....	690
Gerontology Undergraduate Minor .....	731	Human Development and Family Studies, Ph.D. ....	690
Global Fashion Industry Management, Post-Baccalaureate Certificate	577	Human Development and Family Studies Undergraduate Minor .....	690
Global Leadership and Strategy, Post-Baccalaureate Certificate .....	604	Human Health Sciences, B.S. ....	693
Global Societies and Governance, Post-Baccalaureate Certificate .....	374	Humanities (BLS) .....	141
Global Studies, Post-Baccalaureate Certificate .....	438	I	
Grade Points and Grade Point Averages (GPA) .....	841	Immunization Clearance .....	852
Grade Replacement Policy .....	842	Incomplete Grades .....	843
Grade Reports .....	842	Informatics and Analytics .....	386
Grades .....	842	Informatics and Analytics Foundations (IAF) .....	143
Grading .....	840	Informatics and Analytics, M.S. ....	386
Graduate Admissions .....	796	Information Analytics Undergraduate Minor .....	629
Graduate Policies .....	807	Information, Library, and Research Sciences .....	627
Greek (GRK) .....	122	Information Science, B.S. ....	628
Grogan College (GRC) .....	122	Information Science (IST) .....	143
Guide To Course Descriptions .....	803	Information Science Undergraduate Minor .....	629
<b>H</b>		Information Systems and Operations Management (ISM) .....	144
Health and Wellness Coaching, Post-Baccalaureate Certificate .....	725	Information Systems and Supply Chain Management .....	588
Health Informatics (IAH) .....	122	Information Systems and Supply Chain Management, B.S. ....	589
Health Management .....	772	Information Systems, Doctoral Minor .....	595
Health Management, M.S.N./M.B.A. ....	772	Information Systems, Ph.D. ....	594
Higher Education (HED) .....	122	Information Technology and Management, M.S. ....	591
Historic Preservation, Post-Baccalaureate Certificate .....	392	Information Technology Development, Post-Baccalaureate Certificate	596
Historic Preservation Undergraduate Minor .....	390	Information Technology Management, Post-Baccalaureate Certificate	597
Historical Keyboard Performance, Post-Baccalaureate Certificate .....	539	Information Technology Undergraduate Minor .....	591
History .....	376	Instructional Coaching, Post-Master's Certificate .....	647
History, B.A. ....	376	Instructional Design, Post-Baccalaureate Certificate .....	635
History (HIS) .....	124	Instructional Technology and Design, M.S. ....	630
History, M.A. ....	382	Integrated Professional Studies (IPS) .....	147
History, Ph.D. ....	384	Integrated Studies Lab (ISL) .....	148
History Second Academic Concentration .....	382	Interdisciplinary Art and Social Practice Undergraduate Minor .....	495
History, Secondary Education, B.A. ....	379	Interdisciplinary Programs .....	770
History Undergraduate Minor .....	382	Interior Architecture .....	388
Honors for Second Degree Recipients and Transfer Students .....	844	Interior Architecture, B.F.A. ....	388
Honors Programs .....	765	Interior Architecture (IAR) .....	148
Honors Programs (HSS) .....	132	Interior Architecture, M.F.A. ....	390
Hospitality and Tourism Management, B.S. ....	609	Interlink (ITL) .....	152
Hospitality and Tourism Management (HTM) .....	136	International and Global Studies (IGS) .....	152
Human Development and Family Studies .....	685	International and Global Studies Undergraduate Minor .....	436
Human Development and Family Studies, B.S. ....	688	International Business, M.S. ....	603

International Business Studies, B.S.	601	Management	598
International Programs Center	774	Management (MGT)	168
International Student Exchange (ISE)	152	Marketing, B.S.	611
Interpreting, Deaf Education, and Advocacy Services, B.S.	638	Marketing, Entrepreneurship, and Hospitality and Tourism	606
Islamic Studies Undergraduate Minor	480	Marketing (MKT)	169
Italian (ITA)	152	Master of Applied Arts and Sciences (MAS)	171
<b>J</b>		Master of Arts in Teaching, M.A.T.	409
Japanese Studies (JNS)	153	Master of Arts in Teaching, M.A.T.	655
Jazz Studies, Post-Baccalaureate Certificate	540	Master of Business Administration (MBA)	172
Jewish Studies Undergraduate Minor	480	Mathematics and Statistics	439
Joint School of Nanoscience and Nanoengineering	737	Mathematics, B.A.	439
Joseph M. Bryan School of Business and Economics	557	Mathematics, B.S.	442
<b>K</b>		Mathematics, M.A.	446
Kinesiology	695	Mathematics (MAT)	173
Kinesiology, B.S.	695	Mathematics Second Academic Concentration	444
Kinesiology, Ed.D.	707	Mathematics Undergraduate Minor	444
Kinesiology (KIN)	154	Media Studies	451
Kinesiology, M.S.	701	Media Studies, B.A.	451
Kinesiology, M.S./Ph.D.	706	Media Studies (MST)	179
Kinesiology, Ph.D.	708	Media Studies Undergraduate Minor	452
Korean (KOR)	162	Medical Humanities Undergraduate Minor	455
<b>L</b>		Medical Science, Post-Baccalaureate Certificate	742
Languages, Literatures, and Cultures	393	Mental Health in Children and Adolescents, Post-Baccalaureate Certificate	622
Languages, Literatures, and Cultures, B.A.	394	Middle College (MCP)	182
Languages, Literatures, and Cultures (LLC)	163	Middle Grades Education, B.S.	651
Languages, Literatures, and Cultures, M.A.	407	Military Science (MSC)	183
Languages, Literatures, and Cultures Second Academic Concentration	404	Military-Affiliated Students	784
Latin American and Caribbean Studies Undergraduate Minor	436	Music, B.A.	519
Latin (LAT)	164	Music Composition, M.M.	531
Leadership in Infant and Toddler Learning, Post-Baccalaureate Certificate	771	Music Composition, Post-Baccalaureate Certificate	540
Liberal and Interdisciplinary Studies, B.A.	417	Music, D.M.A.	537
Liberal and Interdisciplinary Studies, M.A.	437	Music Education, B.M.	520
Liberal and Professional Studies	413	Music Education, M.M.	531
Library and Information Science (LIS)	165	Music Education (MUE)	183
Library and Information Science, M.L.I.S.	631	Music Education, Ph.D.	538
Licensure-Only Programs	636	Music Education, Post-Baccalaureate Certificate	541
Lloyd International Honors College	765	Music Ensemble (ENS)	186
<b>M</b>		Music Performance (MUP)	190
Major Description and Program Requirements and Courses Explanation	805	Music Performance Study, Post-Baccalaureate Certificate	541
Majors, Minors, Double Majors and Simultaneous Degrees Policy	844	Music Studies (MUS)	197
		Music Technology, Post-Baccalaureate Certificate	542
		Music Theory, M.M.	532

Music Theory Pedagogy, Post-Master's Certificate .....	543	Philosophy (PHI) .....	223
Music Theory, Post-Baccalaureate Certificate .....	542	Philosophy Second Academic Concentration .....	456
Music Undergraduate Minor .....	531	Philosophy Undergraduate Minor .....	456
Musicology, Post-Baccalaureate Certificate .....	543	Photography Undergraduate Minor .....	505
<b>N</b>		Physical Education, Teacher Education (K-12), B.S. ....	697
Nanoscience, M.S. ....	738	Physics and Astronomy .....	457
Nanoscience (NAN) .....	201	Physics and Astronomy Second Academic Concentration .....	459
Nanoscience, Ph.D. ....	740	Physics, B.A. ....	457
Nanoscience, Post-Baccalaureate Certificate .....	742	Physics, B.S. ....	458
NC TEACH Alternative Licensure Program .....	663	Physics (PHY) .....	226
New Media and Design Undergraduate Minor .....	504	Physics Undergraduate Minor .....	459
Nonprofit Management, Post-Baccalaureate Certificate .....	466	Political Science .....	461
Notices .....	784	Political Science, B.A. ....	461
Nursing, B.S.N. ....	747	Political Science (PSC) .....	229
Nursing Leadership and Management, Post-Baccalaureate Certificate ..	763	Political Science Second Academic Concentration .....	464
Nursing, M.S.N. ....	757	Political Science Undergraduate Minor .....	464
Nursing (NUR) .....	206	Pre Dentistry, Pre Medicine, Pre Physician Assistant, and Pre Veterinary Medicine .....	776
Nursing, Ph.D. ....	761	Pre Engineering .....	778
Nursing, Post-Baccalaureate Certificate .....	763	Pre Occupational Therapy .....	779
Nutrition .....	710	Pre Pharmacy .....	779
Nutrition, B.S. ....	710	Pre Physical Therapy .....	780
Nutrition, M.S. ....	713	Prelaw .....	778
Nutrition (NTR) .....	216	Preprofessional Programs .....	776
Nutrition, Ph.D. ....	715	Printmaking and Drawing Undergraduate Minor .....	505
Nutrition Undergraduate Minor .....	713	Professional Selling Undergraduate Minor .....	615
<b>O</b>		Professional Studies Online, B.S. ....	434
Online NC Interinstitutional (ONC) .....	220	Program Evaluation, Post-Baccalaureate Certificate .....	635
Online Sections and Online Programs Policy .....	852	Programs A-Z .....	12
<b>P</b>		Psychology .....	469
Painting Undergraduate Minor .....	505	Psychology, B.A. ....	471
Parks and Recreation Management, M.S. ....	680	Psychology, B.S. ....	472
Peace and Conflict Studies .....	717	Psychology, M.A. ....	474
Peace and Conflict Studies, B.A. ....	717	Psychology, M.A./Ph.D. ....	474
Peace and Conflict Studies, M.A. ....	718	Psychology, Ph.D. ....	476
Peace and Conflict Studies (PCS) .....	220	Psychology (PSY) .....	234
Peace and Conflict Studies, Post-Baccalaureate Certificate .....	719	Psychology Second Academic Concentration .....	473
Peace and Conflict Studies Undergraduate Minor .....	718	Psychology Undergraduate Minor .....	473
Performance, B.M. ....	523	Public Affairs, M.P.A. ....	464
Performance, M.M. ....	532	Public Health Education .....	720
Philosophical Ethics Undergraduate Minor .....	456	Public Health Education, B.S. ....	720
Philosophy .....	454	Public Health (HEA) .....	238
Philosophy, B.A. ....	454		

**Q**

Quantitative Business Economics, Post-Baccalaureate Certificate ..... 586

**R**

Radio Undergraduate Minor .....	453	Social Work, Ph.D., offered jointly with North Carolina A&T State University .....	734
Recreation and Parks Management, B.S. ....	675	Social Work (SWK) .....	254
Recreational Therapy Undergraduate Minor .....	680	Social Work Undergraduate Minor .....	732
Religious Studies .....	478	Sociology .....	483
Religious Studies, B.A. ....	478	Sociology, B.A. ....	483
Religious Studies (REL) .....	244	Sociology, M.A. ....	485
Religious Studies Second Academic Concentration .....	481	Sociology Second Academic Concentration .....	485
Religious Studies Undergraduate Minor .....	480	Sociology (SOC) .....	258
Research and Engagement .....	785	Sociology Undergraduate Minor .....	485
Residential College (RCO) .....	248	Spanish, B.A. ....	401
Residential Colleges .....	781	Spanish (SPA) .....	261
Retail Consumer Data Analytics, Post-Baccalaureate Certificate .....	577	Spanish Undergraduate Minor .....	404
Retail Merchandising Management, Post-Baccalaureate Certificate ...	577	Special Education, Ph.D. ....	646
Retail Studies, M.S. ....	574	Special Education: General Curriculum, B.S. ....	643
Retailing and Consumer Studies (RCS) .....	251	Special Education: General Curriculum, M.Ed. ....	646
Retailing and Consumer Studies Undergraduate Minor .....	574	Special Endorsement in Computer Education, Post-Baccalaureate Certificate .....	636
Retroactive Grade Change .....	843	Specialized Education Services .....	638
Russian (RUS) .....	251	Specialized Education Services (SES) .....	265
Russian Studies Undergraduate Minor .....	436	Speech Pathology and Audiology, B.S. ....	669
Russian Undergraduate Minor .....	404	Speech-Language Pathology, M.A. ....	671
<b>S</b>		Sport Coaching Undergraduate Minor .....	700
School Administration, M.S.A. ....	623	Statistics, Doctoral Minor .....	450
School Administration, Post-Master's Certificate .....	626	Statistics, Post-Baccalaureate Certificate .....	450
School of Art .....	496	Statistics (STA) .....	272
School of Dance .....	508	Statistics Undergraduate Minor .....	444
School of Education .....	616	Steps to Graduation .....	845
School of Education Initial Licensure Programs .....	653	Strong College (STR) .....	275
School of Health and Human Sciences .....	667	Student Affairs Administration in Higher Education, M.Ed. ....	657
School of Health and Human Sciences (HHS) .....	252	Student Affairs in Higher Education, Post-Baccalaureate Certificate ...	662
School of Music .....	517	Student Catalog Year Policy .....	852
School of Nursing .....	744	Student Code of Conduct .....	853
School of Theatre .....	545	Student Learning Outcomes Assessments .....	849
Sculpture and Ceramics Undergraduate Minor .....	506	Studio Art, B.F.A. ....	501
Sexual Harassment (Title IX Policy) .....	852	Studio Art Undergraduate Minor .....	506
Social Sciences (SSC) .....	254	Studio Arts, M.F.A. ....	506
Social Work .....	727	Supply Chain Management, Post-Baccalaureate Certificate .....	597
Social Work, B.S.W. ....	728	Supply Chain Management (SCM) .....	275
Social Work, M.S.W., offered jointly with North Carolina A&T State University .....	732	Sustainability and Environment, M.S. ....	371
		Sustainability, Post-Baccalaureate Certificate .....	375
		Sustainability Undergraduate Minor .....	367
		Synthetic Biology, Post-Baccalaureate Certificate .....	742

**T**

Workplace Wellness, Post-Baccalaureate Certificate .....	725
Taxation, Post-Baccalaureate Certificate .....	566
Teacher Education and Higher Education .....	649
Teacher Education, M.Ed. ....	410
Teacher Education, M.Ed. ....	658
Teacher Education (TED) .....	276
Teaching English to Speakers of Other Languages, Post-Baccalaureate Certificate .....	662
Teaching Sociology, Post-Baccalaureate Certificate .....	486
Technical Theatre Undergraduate Minor .....	552
The Graduate School .....	785
The Teaching English to Speakers of Other Languages (TESOL) Undergraduate Minor .....	653
The UNCG MBA Program .....	568
Theatre Management Undergraduate Minor .....	552
Theatre (THR) .....	283
Tuition and Fees .....	800

**U**

UNC Exchange (UNCX) .....	293
Undergraduate Admissions .....	786
Undergraduate Degrees and Degree Requirements .....	849
Undergraduate Final Grade Appeal Policy .....	844
Undergraduate Policies .....	836
Undergraduate Requirements .....	848
University Directory Information .....	853
University Libraries (LIB) .....	293
University Policies .....	850
Urban and Economic Development, Post-Baccalaureate Certificate ....	467

**V**

Videogaming and Esports Studies Undergraduate Minor .....	481
Vision and Mission Statement .....	785
Visual and Performing Arts (VPA) .....	293

**W**

Western Civilization (WCV) .....	294
Withdrawal for Students Called to Active Military Duty .....	853
Withdrawal from the University .....	846
Women's, Gender, and Sexuality Studies .....	487
Women's, Gender, and Sexuality Studies, B.A. ....	487
Women's, Gender, and Sexuality Studies, M.A. ....	489
Women's, Gender, and Sexuality Studies, Post-Baccalaureate Certificate .....	491
Women's, Gender, and Sexuality Studies Undergraduate Minor .....	489
Women's, Gender, and Sexuality Studies (WGS) .....	294