

**WESTERN ILLINOIS UNIVERSITY**



**Undergraduate Catalog  
2023-2024**

# **Academic Calendar for 2023-2024**

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*The academic year consists of the Fall and Spring semesters and one eight-week Summer session. Each semester includes 15 weeks of instruction and one week of final examinations. The Summer session includes a pre-session, one eight-week, one six-week, and two four-week periods of instruction. The information below was accurate at the time of publication of this catalog. For updates, please see [wiu.edu/provost/calendar/index.php](http://wiu.edu/provost/calendar/index.php).*

## **Fall Semester, 2023**

August 21, Monday	Classes Begin
September 4, Monday	Labor Day (No Classes/University Closed)
September 5, Tuesday	Classes Resume
October 20, Friday	Fall Break (No Classes)
October 23, Monday	Classes Resume
November 20-24, Monday-Friday	Thanksgiving Break (No Classes)
November 23-24, Thursday-Friday	Thanksgiving Holiday (University Closed)
November 27, Monday	Classes Resume
December 11-15, Monday-Friday	Final Exam Week
December 16, Saturday	Undergraduate and Graduate Commencement

## **Spring Semester, 2024**

January 15, Monday	Dr. Martin Luther King Day (No Classes/ University Closed)
January 16, Tuesday	Classes Begin
February 12, Monday	Lincoln's Birthday (No Classes/University Closed)
February 13, Tuesday	Classes Resume
March 11-15, Monday-Friday	Spring Break (No Classes)
March 18, Monday	Classes Resume
May 6-10, Monday-Friday	Final Exam Week
May 10, Friday	Graduate Commencement
May 11, Saturday	Undergraduate Commencement
May 12, Sunday	WIU—QC Undergraduate and Graduate Commencement

## **Summer Session, 2024**

May 13, Monday	Pre-Session Begins
May 27, Monday	Memorial Day (No Classes/University Closed)
May 28, Tuesday	Pre-Session Classes Resume
May 31, Friday	Pre-Session Ends
June 3, Monday	Eight-Week, Six-Week, and First Four-Week Sessions Begin
June 19, Wednesday	Juneteenth National Independence Day (No Classes/University Closed)
June 20, Thursday	Classes Resume
June 28, Friday	First Four-Week Session Ends
July 1, Monday	Second Four-Week Session Begins
July 4, Thursday	Independence Day (No Classes/University Closed)
July 5, Friday	Classes Resume
July 12, Friday	Six-Week Session Ends
July 26, Friday	All Remaining Sessions End

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# **Western Illinois University**

## **Undergraduate Catalog**

### **2023–2024**

**1 University Circle  
Macomb, IL 61455-1390**

**WIU Telephone: (309) 298-1414  
Text Telephone: (309) 298-4444  
Website: [wiu.edu](http://wiu.edu)**

**Western Illinois University—Quad Cities  
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Moline, IL 61265-1746  
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Text Telephone: (309) 762-6974  
Website: [wiu.edu/qc](http://wiu.edu/qc)**

Western Illinois University is accredited by The Higher Learning Commission. Information about the Commission may be obtained by contacting the Commission offices and staff at [hlcommission.org](http://hlcommission.org) or telephone (312) 263-0456.

Western Illinois University does not discriminate on the basis of race, color, national origin, sex, sexual orientation, gender identity, gender expression, marital status, disability, age, religion, genetic information, or veteran status, in its programs and activities, including employment and admission. The following person has been designated to handle inquiries regarding the non-discrimination policies: Tina Young, Title IX Coordinator and Director of Office of Equal Opportunity and Access, Sherman Hall 312, (309) 298-1977.

The provisions of this catalog are not to be regarded as irrevocable contractual commitments between Western Illinois University and the student. The University reserves the right to change any provisions or requirements contained herein at any time within the student's term of residence.

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# **Introduction**

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## **About Western Illinois University**

Since 1899, Western Illinois University has provided outstanding educational opportunities to individuals in west central Illinois and well beyond our region and state. WIU's traditional residential campus in Macomb, Illinois, is the educational, cultural, and athletic center of the region, while the WIU-Quad Cities commuter branch campus in Moline, Illinois, is the only public university in the immediate Quad Cities region. The main campus is located in Macomb, the McDonough County seat, 40 miles east of the Mississippi River. The city has a population of approximately 15,100. Two U.S. highways, 136 and 67, intersect at Macomb and provide direct access to Interstates 74, 80, and 55. Rail passenger service is available twice daily from Quincy and Chicago to Macomb. Western Illinois University—Quad Cities is located in Moline, Illinois, which is approximately 80 miles north of the main campus in Macomb.

The WIU-Macomb campus offers a comprehensive slate of undergraduate and graduate programs, including a doctorate in education. The WIU-Quad Cities campus offers select undergraduate and graduate programs, including a doctorate in education and a doctorate in environmental studies, at its metropolitan, commuter campus.

Employing an outstanding, diverse faculty and staff committed to multicultural and international education, Western Illinois University offers undergraduate and graduate programs of study to approximately 7,600 students from Illinois, across the nation, and around the world. Providing excellent instruction is the highest priority of the University's 515 faculty members. The faculty is responsible for 93% of the total student credit hours earned at the undergraduate level. Although primarily dedicated to teaching, WIU faculty members participate in extensive research and creative activities.

With more than a century of growth and development, and more than 140,000 living alumni around the globe, Western Illinois University maintains a strong sense of community and historic commitments to student access, affordability, and success. Western has been recognized for several years as a "Best Midwestern College" by the *Princeton Review*.

## **Justice, Inclusion, Diversity and Equity (JIDE) ([wiu.edu/dei](http://wiu.edu/dei))**

Western Illinois University fosters respect, equity, and inclusion for all students, faculty, and staff. WIU is committed to anti-racism, anti-oppression, equity, social justice, and diversity. We value inclusion as a core value and as an essential element of Western's public service mission. WIU embraces individual uniqueness and a culture of inclusion that supports broad and specific diversity initiatives. Western believes in the educational and institutional benefits of diversity in society as integral to the success of all individuals.

At WIU, we will:

- Maintain a safe and secure environment for all members of our University communities.
- Educate and empower students, staff, and faculty to be social justice advocates.
- Provide curricula, programs, training, resources, and environments that reflect and strengthen the diversity of our communities, and to elevate cultural awareness and understanding.
- Ensure fair, equitable, and inclusive access to University facilities, programs, resources, and services.
- Create inclusive and equitable policies and practices.
- Diversify the University's workforce by assessing hiring practices to attract, retain, and develop talented staff and faculty from diverse backgrounds.

- Address intergroup disparities through areas as representation, retention, learning outcomes, and graduation rates.
- Create and maintain a University-wide diversity plan to ensure a continued commitment to anti-racism, anti-oppression, equity, social justice, and diversity.

## Recognitions & Accreditations

Because of WIU's long-time support of veterans and active duty service members, the University has been recognized as a "Military Friendly School" by *Vietory/Military Friendly*, achieving "Gold" status for 2022–23. Western ranked #2 in the United States for small public universities earning the Gold Top 10 status, and WIU is recognized as a "Best for Vets College" by *Military Times* magazine, ranking 24th out of 134 four-year institutions across the U.S. WIU is the only Illinois public institution in the top 50, and one of only two Illinois public institutions in the list of four-year schools.

Western Illinois University is accredited by the Higher Learning Commission. The University's teacher licensure programs are approved by the Illinois State Board of Education. In addition, many of its departments and schools are accredited by professional agencies, including the following:

- ABET: Engineering Accreditation Commission of ABET
- Academy of Nutrition and Dietetics
- American Speech-Language-Hearing Association
- Association to Advance Collegiate Schools of Business (AACSB International)
- Commission on Collegiate Nursing Education
- Commission on English Language Program Accreditation
- Council for Accreditation of Counseling and Related Educational Programs
- Council on Accreditation of Parks, Recreation, Tourism and Related Professions
- Council on Social Work Education
- Masters in Psychology and Counseling Accreditation Council
- National Association of Schools of Art and Design
- National Association of Schools of Music
- National Association of Schools of Theatre

Western Illinois University is also approved by the Illinois Board of Higher Education to participate in the National Council for State Authorization Reciprocity Agreements (NC-SARA). As such, the University's distance learning program follows policies and standards that are overseen by the National Council for State Authorization Reciprocity Agreements and administered by four regional higher education compacts. For additional information, please visit <http://nc-sara.org>.

These external recognitions and peer-based accreditations showcase Western's high academic standards, quality instruction, proven opportunities for job and graduate school placement, outstanding academic and residential facilities, exciting extracurricular activities, and institutional commitments to sustainability and affordability.

These recognitions also reinforce the unique mission and niche of Western Illinois University in the state's public higher education system. Keeping focused on our vision, mission, and values is critical for continued student success and our progress, growth, and contributions to the state and beyond.

## Higher Values in Higher Education

### Our Vision

Western Illinois University will be the leader in educational quality, opportunity, and affordability among regional public universities.

# **Introduction**

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## **Our Mission**

Western Illinois University empowers students, faculty, and staff to lead dynamic and diverse communities. We provide student-centered undergraduate and graduate programs characterized by innovative teaching, research, and service, grounded in interdisciplinary, regional and global perspectives. We engage our students in educational opportunities guided by a professional and diverse faculty and staff in collaboration with alumni and community partners.

## **Our Values**

*Academic Excellence:* Central to our history is the commitment to teaching, to the individual learner, and to active involvement in the teaching-learning process. Western Illinois University's highly qualified and diverse faculty promotes critical thinking, engaged learning, research, and creativity in a challenging, supportive learning community. We are committed to student success in an academic environment that encourages lifelong development as learners, scholars, teachers, and mentors.

*Educational Opportunity:* Western Illinois University values educational opportunity and welcomes those who show promise and a willingness to work toward achieving academic excellence. We are committed to providing accessible, high-quality educational programs and financial support for our students.

*Personal Growth:* Western Illinois University values the development of the whole person. We are committed to providing opportunities for personal growth in a transformative educational environment that supports the development of wellness, ethical decision making, and personal responsibility in the global community.

*Social Responsibility:* Western Illinois University is committed to civic and community engagement, equity, social justice, and diversity and will maintain the highest standards of integrity in our work with others. We create an environment that fosters and promotes citizenship. We serve as a resource for and stimulus to educational, cultural, environmental, community, and economic development in our region and well beyond it for the public good.

## **University Profile**

WIU is dedicated to providing an affordable, accessible education. Western's Tuition Guarantee program ensures that students pay a fixed rate for tuition during their years of continuous enrollment. We back this with multiple, stackable scholarship opportunities, including the generous Western Commitment Scholarships.

The University offers 61 undergraduate degree programs (57 at the Macomb campus, 19 at the Quad Cities campus, and 20 online), 41 master's/specialist degree programs, and 2 doctoral programs. The curriculum includes the natural sciences, humanities, social sciences, fine arts, business, education, and a number of pre-professional and technical fields of study. Although most WIU students primarily come from Illinois, more than 800 are from out of state, and approximately 1,108 (Fall 22 figure) are international students. Between July 2021 and June 2022, 1,220 students completed undergraduate degree requirements.

*Campus:* Fifty-nine buildings are situated on more than 1,000 acres in Macomb. In addition, the University operates the Alice L. Kibbe Life Sciences Station on the Mississippi River, the Frank J. Horn Field Campus, and the University Farm, which provide research, hands-on and recreational facilities for students, faculty, and staff, as well as outreach opportunities for community residents. Western Illinois University—Quad Cities Riverfront Campus, which is comprised of three state-of-the-art buildings

along the Mississippi River in Moline, provides hands-on learning opportunities along the river, at the Figge Museum, and more.

*Costs:* New students can attend Western Illinois University for approximately \$29,500 in 2023–2024, including tuition, fees, room, meal plan, books, and personal expenses. Financial assistance is provided for qualified students. More than 84% of Western's undergraduate students receive some type of financial assistance. In 2022–2023, more than \$99.6 million total in financial assistance was distributed. Of that total, over \$58.4 million was in the form of grants/scholarships which do not have to be repaid, and more than \$41.2 million was through loans and campus employment. The average financial aid package for new students is \$19,001.

*Cultural Center:* Students, faculty, and guest artists of the School of Music perform over 180 exhilarating concerts and recitals every year. Annually, 12 major theatrical and dance productions and studio shows are performed, along with outstanding concerts, lectures, presentations, films, dance performances, and more. The Department of Broadcasting and Journalism is at sports and breaking news events daily reporting on radio, TV, and the web. The University Art Gallery exhibits work by the talented WIU students and faculty, as well as nationally-recognized artists. The Bureau of Cultural Affairs (BCA) brings comedy, music, and magic to campus. The Gwendolyn Brooks and Casa Latina cultural centers offer programs and activities focusing on Black and Hispanic cultures, while the Women's Center promotes gender equity through education, support and advocacy. WIU's student organization for the lesbian, gay, bisexual, transgender, queer/questioning and ally (LGBT\*QA) community provides resources, support and programming.

*Libraries:* University Libraries house extensive collections and provide regional archives, research assistance, lectures and special events. The libraries offer online database access to thousands of academic journals and publications, as well as Illinois Legal Aid Online. The main library, the Leslie F. Malpass Library in Macomb, provides an inviting environment for research and study. The Leslie F. Malpass Library Archives and Special Collections houses a treasure trove of university, community, and regional history. The Special Collections document the cultural, economic, and natural heritage of west central Illinois. WIU Archives includes regional materials, such as county and town histories, oral history tapes, diaries, letters, maps, photographs, and newspaper clippings, along with a comprehensive digital image database, which can be found at [wiu.edu/libraries/archives](http://wiu.edu/libraries/archives). The Macomb campus also has two specialized branch libraries for music and curriculum. The WIU—QC campus houses a branch library, which provides access to the same materials as the Macomb libraries, as well as the Jeff Leibovitz Holocaust Collection.

*Residence Halls:* Residence halls on the WIU-Macomb campus provide more than 3,000 students with living and dining services. Several residence halls offer learning living communities, such as Honors, First Year Experience, major, and wellness. Grote Hall, featuring a state-of-the-art suite-style environment, is the University's newest residence hall. Many off-campus housing possibilities, including fraternities and sororities, are open to upper-division students.

*Sports:* The University's athletics program, based on the Macomb campus, sponsors 15 NCAA Division I intercollegiate men's and women's varsity sports. Football competes in the NCAA Division I Football Championship Subdivision through the Missouri Valley Football Conference; all other varsity sports compete at the Division I level through The Summit League.

*Student Organizations:* More than 200 student organizations on campus represent a wide range of interests. Opportunities for participatory student governance are provided by the Student Government Association, Inter-Residence Hall Council, Panhellenic Council, Student Tenant Union, Black Student Association, Latin American Student Organization, International Friendship Club, and other organizations.

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***University Technology:*** WIU provides approximately 1,800 computers for use in classrooms, computer labs, computer resource centers, recreational spaces, and conference rooms throughout the Macomb and Quad Cities campuses. Detailed listings and a map of the computing facilities can be found on the WIU website ([wiu.edu/computerlabs/](http://wiu.edu/computerlabs/)). The University also provides access to numerous software packages, the Internet, email, campus information systems, and other resources. Students have access to Mac and Windows computers, scanners, and printers. Personal file storage is available via Google Drive ([drive.g.wiu.edu](http://drive.g.wiu.edu)) and an Office 365 account. The Digital Rec Center ([wiu.edu/digitalrec/](http://wiu.edu/digitalrec/)), open to WIU students, houses WIU-Macomb's esports Team and provides competitive gaming opportunities, console gaming, virtual reality stations, and more.

***Western Illinois University—Quad Cities (WIU—QC):*** Western Illinois University offers several academic programs at its Quad Cities campus in Moline, Illinois. Undergraduate majors are offered in the following disciplines at WIU—QC: Accountancy; Civil Engineering; Communication; Electrical Engineering; Elementary Education; Engineering; Engineering Technology; English (Literature and Language and Professional Writing options); General Studies; Human Resource Management; Information Systems; Law Enforcement and Justice Administration; Liberal Arts and Sciences; Management; Mechanical Engineering; Psychology; Public Health; Recreation, Park and Tourism Administration; and Supply Chain Management. Several online undergraduate degree programs are available to Quad Cities area students, along with eighteen graduate degree programs and seven post-baccalaureate certificate programs offered at the WIU—Quad Cities campus.

## **Comments and Complaints**

Participants in the Title IV Federal Financial Aid under the Higher Education Act of 1965, as amended, are required to direct students to a state agency for assistance with unresolved complaints. Related regulations require all Title IV participating institutions, regardless of the origin of their state authorization to operate, to comply with state agency complaint process and to communicate such information publicly. Under Federal rule 34 CFR §600.9 and §668.43(b), Title IV eligible institutions must make available to students or prospective students, upon request, a copy of the documents describing the institution's accreditation and state authorization. The institution must provide its students or prospective students with contact information for filing complaints with the University, its accreditor, and the state.

Student and graduate comments and complaints are addressed separately for discrimination, ethics, police conduct, and/or all other institutional issues. University policy, procedure, and contact information for each type of complaint are described below.

All student complaints should first be addressed at the local level (the level at which the complaint arises). If it cannot be resolved at the local level, the complainant should express his/her complaint to the head of the academic department or administrative unit after referring to the University Organizational Chart ([wiu.edu/president/orgchart/](http://wiu.edu/president/orgchart/)) or the University Directory ([directory.wiu.edu/](http://directory.wiu.edu/)) to determine the appropriate contact. If the complaint is not resolved at this level, the following individual(s) should be contacted:

Complaint Type	Contact Information	Telephone	Fax	Email
Discrimination	Ms. Tina Young Director, Equal Opportunity and Access Sherman Hall 312	(309) 298-1977	(309) 298-3455	eoा-office@wiu.edu
Ethics	Ms. Elizabeth L. Duvall Ethics Officer/General Counsel Attorney Sherman Hall 208	(309) 298-3070	N/A	EL-Duvall@wiu.edu
Police Conduct	Mr. Derek J. Watts Director, Office of Public Safety Mowbray Hall	(309) 298-1949	(309) 298-2884	DJ-Watts@wiu.edu
Student Success—Macomb	Mr. John W. Smith Interim Vice President, Student Success Sherman Hall 321	(309) 298-1814	(309) 298-2558	JW-Smith@wiu.edu
All Other—Macomb	Dr. Manoochehr Zoghi Provost and Academic Vice President Sherman Hall 211	(309) 298-1066	(309) 298-2021	provost@wiu.edu
Quad Cities	Dr. Kristi S. Mindrup Vice President, Quad Cities Campus Operations 220 Riverfront Hall	(309) 762-9481	N/A	KS-Mindrup@wiu.edu

**State of Illinois:** The Illinois Board of Higher Education (IBHE) maintains the master plan which guides development of the state's system of public and private colleges and universities, and it maintains an online complaint system for registering institutional complaints at <https://complaints.ibhe.org>. This website includes step-by-step instructions and key information regarding the complaint process.

**State of Iowa:** Western Illinois University is certified by the State of Iowa to provide educational certificates and degree programs in Museum Studies and distance education in Iowa. In serving students from Iowa, the Iowa College Student Aid Commission maintains a system (information available at [iowacollegeaid.gov/StudentComplaintForm](http://iowacollegeaid.gov/StudentComplaintForm)) to document concerns, questions, and complaints related to post-secondary educational institutions.

**Out-of-State Distance Learning Students:** Students enrolled in distance learning classes who live outside Illinois are protected by the State Authorization and Reciprocity Act (SARA) consumer protection provisions. These provisions require the investigation and resolution of allegations of dishonest or fraudulent activity, including the provision of false or misleading information. The SARA Student Complaints process and directions are available at [nc-sara.org/student-complaints](http://nc-sara.org/student-complaints).

## Professional Licensure/Certification Disclosure

Under Federal rule 34 CFR §668.43(a).(5).(v), institutions of higher education must make institutional information regarding the academic programs of the institution readily available to enrolled and prospective students. This information includes, for an educational program which is designed to meet educational requirements for a specific professional license or certification that is required for employment in an occupation, or is advertised as meeting such requirements, information

## **Introduction**

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regarding whether completion of that program would be sufficient to meet licensure requirements in a State for that occupation, including:

- A list of all States for which the institution has determined that its curriculum meets the State educational requirements for licensure or certification;
- A list of all States for which the institution has determined that its curriculum does not meet the State educational requirements for licensure or certification; and
- A list of all States for which the institution has not made a determination that its curriculum meets the State educational requirements for licensure or certification.

In accordance with this requirement, Western Illinois University provides its Professional Licensure Disclosure report at [wiu.edu/provost/docs/ProfessionalLicensureDisclosureReport.pdf](http://wiu.edu/provost/docs/ProfessionalLicensureDisclosureReport.pdf). Further, according to Federal rule 34 CFR §668.43(c), if the institution has made a determination that the program's curriculum does not meet the State educational requirements for licensure or certification in the State in which a prospective student is located, or if the institution has not made a determination regarding whether the program's curriculum meets the State educational requirements for licensure or certification, the institution must provide notice to that effect to the student prior to the student's enrollment in the program. If the institution makes a determination that a program's curriculum does not meet the State educational requirements for licensure or certification in a State in which a student who is currently enrolled in said program is located, the institution must provide notice to that effect to the student within 14 calendar days of making such determination.

Additionally, disclosures required above must be made directly to the student in writing, which may include through email or other electronic communication. The institution must make a determination regarding the State in which a student is located in accordance with the institution's policies or procedures, which must be applied consistently to all students. The institution must make a determination regarding the State in which a student is located at the time of the student's initial enrollment in an educational program and, if applicable, upon formal receipt of information from the student, in accordance with the institution's procedures, that the student's location has changed to another State.

## **Equal Opportunity and Access**

Western Illinois University complies fully with all applicable federal and state nondiscrimination laws, orders, and regulations. The University is committed to providing equal opportunity and an educational and work environment for its students, faculty, and staff that is free from discrimination based on sex, race, color, sexual orientation, gender identity, gender expression, religion, age, marital status, national origin, disability, genetic information, veteran status, or any other classes protected by state or federal law.

Further, the University is committed to a comprehensive Affirmative Action program that ensures access and equity in educational programs, activities, and employment.

The Office of Equal Opportunity and Access is responsible for administering and monitoring Western Illinois University's Equal Opportunity/Affirmative Action policies and procedures. Inquiries about or complaints alleging violation of the policies should be directed to the Office of Equal Opportunity and Access, 312 Sherman Hall, (309) 298-1977. The director of the Office of Equal Opportunity and Access also serves as the administrator for Title IX of the Educational Amendments of 1972, and its implementing regulations, and the Americans with Disabilities Act (ADA).

### **Religious Observance Policy**

Consistent with Illinois Public Act 84-212, an act to prohibit public school districts and institutions of higher education from discriminating against students for observing religious holidays (effective August 26, 1985), Western Illinois University subscribes to the following policy and procedures:

Western Illinois University supports the concept of "Reasonable Accommodation of Religious Observances" in regard to admissions, class attendance, and the scheduling of examinations and other academic work requirements.

1. A student who is unable because of the observance of a religious holiday to attend classes on a particular day or days or at a particular time of day shall be excused from taking any examination or any study or other academic work assignments on such days or times.
2. Faculty and administrative personnel may require up to 5 calendar days advance notice of absences to observe religious holidays.
3. It is the responsibility of the faculty and administrative personnel to make available to such students an equivalent opportunity to make up the examinations, study, or other academic work requirements which they missed due to such absences.
4. It is the responsibility of all students who are also employees of the University to make arrangements to fulfill their obligations to the University in advance of their absence, and/or to utilize accrued leave (if applicable) during the absence.
5. No fees or penalties may be imposed against the students who exercise such afforded opportunities. If a student believes she/he has been a victim of discrimination on grounds of religious observances, she/he may seek redress under the existing Discrimination Complaint Procedures.

A student who feels that he or she has been unreasonably denied an educational or employment benefit due to religious beliefs or practices should contact the Office of Equal Opportunity and Access.

Western Illinois University's full Reasonable Accommodation of Students' and Employees' Religious Observance Policy is available at [wiu.edu/policies/religiousobserv.php](http://wiu.edu/policies/religiousobserv.php).

### **Student Right-to-Know**

Information complying with the Federal Student Right-to-Know legislation, including the Campus Safety and Security Act (Clery Law), is available in the Office of Public Safety and University Communications, Marketing and Media Relations. The information contains campus crime statistics and graduation rates at Western Illinois University and is also available at [wiu.edu/clery](http://wiu.edu/clery).

# Academic Programs

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## Undergraduate Programs

Western Illinois University's undergraduate academic programs are offered through five academic colleges, which house several academic departments and schools. Information about the colleges is given in the Colleges section of this catalog (p. 81). Most departments and schools offer one or more undergraduate programs of study leading to the baccalaureate degree. Information about departments and degree program requirements is given in the Academic Departments, Programs, and Courses section (p. 104).

The chart below provides page references for information in this catalog about major and minor programs of study available at the undergraduate level. The chart shows whether a Bachelor of Arts (B.A.), Bachelor of Business (B.B.), Bachelor of Fine Arts (B.F.A.), Bachelor of Liberal Arts and Sciences (B.L.A.S.), Bachelor of Music (B.M.), Bachelor of Science (B.S.), Bachelor of Science in Education (B.S.Ed.), Bachelor of Science in Nursing (B.S.N.), or Bachelor of Social Work (B.S.W.) is offered. Fields of study for which "Option" is indicated lead to degrees through the completion of option requirements in a broader field of study. For example, students majoring in Zoology earn a B.S. in Biology by completing the Zoology option requirements in the Biology degree program. The chart also shows the fields of study that are available for Teacher Education and as academic minors at the University. "GradTrac" is indicated for the disciplines that are included in the GradTrac program. Information about GradTrac is given in the GradTrac section (p. 79). "Integrated Degree" is indicated for the disciplines for which an integrated baccalaureate and master's degree program is offered. For more information about integrated degree programs, please see the Integrated Baccalaureate and Master's Degree Programs section (p. 58), the respective academic department, and the WIU Graduate Catalog.

Academic Program	Degree	Option	Teacher Education	Minor	GradTrac	Integrated Degree
*Program is available at WIU-Quad Cities.						
**Final two years are completed at WIU-QC campus.						
^Program is available online.						
Accountancy*^ (107, 111)	B.B.*^			*^	•	•
Actuarial Science (297)		•			•	
Adapted Recreation and Inclusion (365)		•			•	•
Advertising and Public Relations (151, 152)		•		•	•	
African American Studies* (354, 355)		*^		•	•	•
Aging Studies (255)				•		
Agricultural Business (120)		•			•	•
Agricultural Economics (122)				•		
Agricultural Science (120)		•			•	•
Agricultural Technology Management (122)				•		
Agriculture (119, 121)	B.S.	•	•	•	•	•
Agronomy (122)				•		
Algorithms and Data Management (173)				•		
American Government (335)		•			•	•
American Sign Language (380)				•		
Animal Science (122)				•		
Anthropology^ (373)	B.A.^			*^	•	•
App Development (173)				•		
Applied Mathematics (297)				•		
Applied Meteorology (185)		•			•	•

Academic Program	Degree	Option	Teacher Education	Minor	GradTrac	Integrated Degree
*Program is available at WIU-Quad Cities.						
**Final two years are completed at WIU-QC campus.						
*Program is available online.						
Applied Music (308)		•			•	
Art (130, 131)	B.A., B.F.A.		•		•	•
Art History (132)				•		
Art Studio (131, 132)		•		•	•	•
Biochemistry (158)		•			•	•
Biology (138)	B.S.	•		•		
Botany (138, 142)		•		•	•	
Broadcast Production (151)		•			•	
Broadcasting and Journalism (151, 152)	B.A.		•	•	•	
Business* (93)			•*			
Business Analytics^ (108, 111)	B.B.^		•	•	•	
Cannabis and Culture^ (255)			•^			
Cannabis Cultivation (122)			•			
Chemistry (157, 159)	B.S.	•	•	•	•	
Civil Engineering** (209)	B.S.**					
Clinical Laboratory Science (141)	B.S.				•	
Coaching (265)				•		
Communication*^ (165)	B.A.*^		•*^	•	•	
Community Forestry (122)			•			
Community Organizations* (365)		•*		•	•	
Computer Science^ (170, 173)	B.S.		•^	•	•	
Computer Science Education* (174)		•*	•*			
Conceptual Physics (331)			•			
Construction and Facilities Management (211)	B.S.				•	
Construction and Facilities Technology (212)			•			
Corrections^ (275)			•^			
Creative Writing (222)		•	•	•		
Criminalistics (276)			•			
Cybersecurity (171, 174)	B.S.		•	•		
Dance (391)				•		
Data Science and Statistics (296)		•		•	•	
Dietetics, Nutrition and (262)	B.S.				•	
Early Childhood Education* (195)		•*	•*			
Economics*^ (109, 111)	B.A.^; B.B.^			•*^	•	•
Educational Studies (194, 197)	B.S.Ed.			•	•	
Electrical Engineering** (209)	B.S.**					
Elementary Education* (194)	B.S.Ed.*		•*			
Emergency Management^ (274, 276)	B.S.^			•^	•	•
Emergency Management—Operational^ (276)				•^		
Emergency Management—Tactical^ (276)				•^		
Engineering** (210)	B.S.**					
Engineering Physics (329)		•				•

# Academic Programs

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Academic Program	Degree	Option	Teacher Education	Minor	GradTrac	Integrated Degree
*Program is available at WIU-Quad Cities.						
**Final two years are completed at WIU-QC campus.						
^Program is available online.						
Engineering Technology* (212)	B.S.*					
English* (221, 223)	B.A.*	•	•*	•*	•	
English as a Second Language Education* (195)		•*	•*			
Enterprise Marketing^ (287)		•^		•	•	
Environmental Biology (140)		•			•	
Environmental Geology (184)		•			•	
Environmental Studies (256)				•		
Event Planning and Management* (365)				•*		
Exercise Science (263)	B.S.					
Film (223)				•		
Finance*^ (110, 111)	B.B.^		•*^	•	•	
Fire Administration^ (275, 276)		•^	•^	•		
Fire Medic (275)		•			•	
Fire Protection Services^ (275)	B.S.^				•	
Fire Science^ (275, 277)		•	•^	•		
Foreign Languages and Cultures (230)	B.A.			•	•	
Forensic Chemistry (159)	B.S.			•		
Forensic Psychology (348, 349)		•		•		
Forensic Science (160)				•		
French (230, 231)		•	•	•	•	
French Teacher Education (231)		•	•		•	
General Studies*^ (237)	B.A.*^					•
Geoenvironment and Planning^ (183)		•^		•	•	
Geographic Information Science^ (183)	B.S.^			•	•	
Geographic Information Systems^ (186)				•^		
Geography^ (186)				•^		
Geology (183, 186)	B.S.			•	•	
Geospatial Science^ (183)		•^		•	•	
Global Politics (336)				•		
Graphic Design (131, 132)		•		•	•	•
Health Communication* (165)				•*		
Health Services Management (241)	B.S.			•	•	
History*^ (249, 250)	B.A.^	•	•*^	•	•	
Homeland Security^ (277)				•^		
Horticulture (256)				•		
Hospitality Management (366)				•		
Human Resource Management*^ (286, 288)	B.B.*^		•*^	•	•	
Industrial Technology^ (213)				•^		
Information Systems* (172, 174)	B.S.*		•*	•		
Information Technology (174)				•		
International Business* (289)				•*		
International Relations/Comparative Politics (335)		•		•	•	•

# Academic Programs

Academic Program	Degree	Option	Teacher Education	Minor	GradTrac	Integrated Degree
*Program is available at WIU-Quad Cities.						
**Final two years are completed at WIU-QC campus.						
*Program is available online.						
International Studies (257)				•		
Jazz Studies (313)				•		
Journalism, Multimedia (151)		•			•	
Law and Society (259)				•		
Law Enforcement and Justice Administration*^ (274, 277)	B.S.*^		•*^	•	•	
Legal Studies* (277)			•*			
Liberal Arts and Sciences* (354)	B.L.A.S.*			•	•	
Literature and Language* (221)		•*		•		
Management*^ (286, 289)	B.B.*^		•*^	•	•	
Manufacturing Technology* (213)			•*			
Marketing*^ (287, 289)	B.B.^		•*^	•	•	
Marketing Technology (287)		•		•	•	
Materials Science (330)		•				
Mathematics* (295, 297)	B.S.	•	•*	•	•	
Mechanical Engineering** (208)	B.S.**					
Medical Sciences (140)		•		•		
Mental Health* (349)			•*			
Meteorology (185)	B.S.			•	•	
Meteorology, Applied (185)		•		•	•	
Meteorology, Operational (185)		•		•	•	
Microbiology (139, 142)		•		•	•	
Middle Level Education (196)	B.S.Ed.	•				
Middle Level Literacy Teaching (197)		•	•			
Middle Level Mathematics Teaching (297)		•	•			
Middle Level Science Teaching (142)		•	•			
Middle Level Social Studies Teaching (250)		•	•			
Military Science (304)				•		
Multilingual Education* (195)		•*	•*			
Multimedia Journalism (151)		•			•	
Music (308, 313)	B.M.	•	•	•	•	
Music Business (310, 313)		•		•		
Music Therapy (311)		•				
Musical Theatre (390)	B.F.A.					
Natural Resources Conservation (123)				•		
Network Technologies (174)				•		
Neuroscience (349)				•		
Nonprofit Administration* (366)				•*		
Nursing^ (325)	B.S.N.^				•	
Nutrition^ (265)			•^			
Nutrition and Dietetics (262)	B.S.				•	
Nutrition and Foodservice Management (264)	B.S.				•	
Occupational Safety (243)				•		

# Academic Programs

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Academic Program	Degree	Option	Teacher Education	Minor	GradTrac	Integrated Degree
*Program is available at WIU-Quad Cities.						
**Final two years are completed at WIU-QC campus.						
^Program is available online.						
Omni-Channel Marketing (287)		•			•	•
Operational Meteorology (185)		•			•	•
Operations Management* (213)				•*		
Outdoor Leadership (366)				•		
Outdoor Recreation (365)		•			•	•
Paired Minors* (354)		•*			•	•
Paleontology (184)		•			•	
Performance—Theatre (390)		•			•	
Pharmacy (158)		•				•
Philosophy^ (298)				•^		
Physical Education (264)	B.S.		•			
Physics (329, 330)	B.S.		•	•	•	•
Plant Breeding (123)				•		
Political Science^ (335, 336)	B.A.^			•^	•	•
Pre-Law Honors (102)				•		
Pre-Law—History (249)		•			•	•
Pre-Law—Political Science (335)		•			•	•
Pre-MBA* (343)				•*		
Precision Agriculture (123)				•		
Production/Design—Theatre (390)		•			•	
Professional Writing*^ (222, 223)		•*		•*^	•	
Psychology*^ (348, 349)	B.S.*			•*^		
Public Administration and Public Service (336)				•		
Public Administration/Public Policy^ (336)		•^			•	•
Public Health* (242)	B.S.*				•	
Queer Studies (259)				•		
Recreation, Park and Tourism Administration*^ (365, 366)	B.S.*			•*^	•	•
Religious Studies^ (355)				•^		
Scuba Diving (265)				•		
Security Administration*^ (277)				•*^		
Sign Language, American (380)				•		
Social Media*^ (166)				•*^		
Social Work (243)	B.S.W.				•	
Sociology*^ (372, 373)	B.A.^			•*^	•	•
Spanish* (230, 232)		•		•*	•	•
Spanish Teacher Education (231)		•	•		•	
Special Education (196)	B.S.Ed.		•			
Speech Pathology and Audiology (380)	B.S.				•	
Sports Broadcasting (151, 152)		•		•	•	•
Stage Combat (391)				•		
Supply Chain Management*^ (288, 289)	B.B.*^			•*^	•	•
Sustainable Business* (289)				•*		

<b>Academic Program</b>	<i>Degree</i>	<i>Option</i>	<i>Teacher Education</i>	<i>Minor</i>	<i>GradTrac</i>	<i>Integrated Degree</i>
*Program is available at WIU-Quad Cities.						
**Final two years are completed at WIU-QC campus.						
*Program is available online.						
Teaching English to Speakers of Other Languages* <sup>^</sup> (197)				*		
Theatre (390, 391)	B.A.			*	*	
Therapeutic Recreation (366)				*		
Tourism, Hospitality and Event Management (365)		*			*	*
Weather and Climate (186)				*		
Women's Studies <sup>^</sup> (355)				*		
Youth Leadership (366)				*		
Zoology (139, 143)		*		*	*	

Information about WIU's Teacher Education requirements appears in the Teacher Education section (p. 382). Information about interdisciplinary minors appears in the Interdisciplinary Minors and Courses section (p. 255).

In addition to the programs of study listed on the chart, pre-professional programs are offered at the University in the following fields:

Engineering

Law

Forestry

MBA

Health

Veterinary Medicine

Dual programs are available in Clinical Laboratory Science, Engineering, and Law in cooperation with approved schools of medical technology, University of Illinois at Chicago Law School, and the University of Illinois. Students can complete requirements for a bachelor's degree in the College of Arts and Sciences while working toward a professional degree or certificate. An additional dual program is available in Doctor of Chiropractic with Palmer College of Chiropractic. Students can complete requirements for a Bachelor of Arts in General Studies while working toward a professional degree or certificate. For more information, please see the Pre-Professional and Dual Programs section (p. 340).

## Graduate Programs

The University confers 15 advanced degrees—Doctor of Education, Doctor of Philosophy, Education Specialist, Specialist in School Psychology, Master of Fine Arts, Master of Accountancy, Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Liberal Arts and Sciences, Master of Music, Master of Music Therapy, Master of Public Health, Master of Science, and Master of Science in Education. Graduate programs are available in the following degrees and fields of study:

### Doctor of Education

Educational Leadership\*

### Doctor of Philosophy

Environmental Science: Large River Ecosystems\*\*

### Education Specialist

Educational Leadership\*

### Specialist in School Psychology

School Psychology

# Academic Programs

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## **Master of Fine Arts**

Theatre

## **Master of Accountancy**

Accountancy<sup>^</sup>

## **Master of Arts**

Communication\*, Community and Economic Development\*\*, English\*, History, Museum Studies\*\*, Political Science, Public Safety Administration\*<sup>^</sup>, Sociology

## **Master of Arts in Teaching**

Alternative Teacher Licensure\*

## **Master of Business Administration**

Business Administration<sup>^</sup>

## **Master of Liberal Arts and Sciences**

Liberal Arts and Sciences

## **Master of Music**

Music<sup>^</sup> (*only Music Education emphasis available online*)

## **Master of Music Therapy**

Music Therapy

## **Master of Public Health**

Public Health\*

## **Master of Science**

Applied Statistics and Decision Analytics\*<sup>^</sup>; Biology\*; Chemistry; College Student Personnel\*; Computer Science; Engineering Technology; GIScience and Geoenvironment; Instructional Design and Technology<sup>^</sup>; Kinesiology; Mathematics<sup>^</sup>; Physics; Psychology; Quantitative Economics; Recreation, Park and Tourism Administration\*; Speech Pathology; Sport Management\*, Teaching Mathematics\*\*\*

## **Master of Science in Education**

Counseling\*\*, Curriculum and Instruction\*\*\*, Educational Leadership\*, Educational Studies\*\*\*, Reading\*\*\*, Special Education\*\*\*

## **Post-Baccalaureate Certificates**

Business Analytics\*<sup>^</sup>, Community Development and Planning, Community Engagement and Public Safety Leadership<sup>^</sup>, Emergency Management<sup>^</sup>, Event Planning and Management\*, GIS Analysis\*, Health Services Administration\*\*\*, Instructional Design and Technology (Educational Technology Specialist\*\*\*, Instructional Media Development<sup>^</sup>, Online and Distance Learning Development<sup>^</sup>, Technology Integration in Education\*\*\*, Workplace Learning and Performance<sup>^</sup>), Museum Studies\*\*, Police Executive Administration\*<sup>^</sup>, Supply Chain Management\*<sup>^</sup>, Teaching English to Speakers of Other Languages\*<sup>^</sup>

\* Program available at WIU—Quad Cities and Macomb

\*\* Program available at WIU—Quad Cities only

\*\*\* Program available online only

<sup>^</sup> Program also available online

For more information, see the *Western Illinois University Graduate Studies Catalog*.

### Centennial Honors College

The Centennial Honors College provides academically talented and motivated undergraduate students an enriched academic curriculum and opportunities for leadership, professional development, and service learning. The program includes 61 academic majors or areas of study from four colleges, as well as special pre-professional honors options such as the Pre-Law Honors minor. Within General Education, honors students are provided a curriculum of special General Honors tutorials, colloquia, seminars, and independent research. Within departments, students are offered in-course honors experiences, seminars, recitals, and internship opportunities. For more information about the Centennial Honors College, please see page 101.

### Four-Year Guarantees

*GradTrac:* Freshman students in eligible majors who wish to ensure graduation within four years may apply for GradTrac. A GradTrac Agreement assures students that they will complete their requirements in four years if they comply with the provisions of the GradTrac Agreement. GradTrac uses WIU's automated degree audit system, which allows students and their advisors to monitor progress in their degree plan. Students who sign the GradTrac Agreement must meet with their advisors regularly, complete required coursework as prescribed for their degree program, maintain a grade point average designated by their program, and maintain continuous enrollment at the University. If a student meets all the requirements of the GradTrac Agreement but is unable to graduate due to the unavailability of a course, the University will waive or substitute the course(s) needed to allow graduation in the prescribed number of semesters. If a waiver or substitution is not possible, then the University will waive the tuition for the course(s) still needed if taken at Western Illinois University. For more information on GradTrac, please see page 79.

*Tuition:* Western Illinois University guarantees a four-year rate for tuition for new undergraduate students entering the University. All new undergraduate students, full-and part-time, are automatically included in the plan. The per-hour rate for tuition will be fixed for a four-year period as long as the student maintains continuous enrollment. If a student's major is recognized as requiring more than four years to complete, the guaranteed rate will be extended to cover the expected time for degree completion. Each year the University's Board of Trustees sets new rates for the entering class. If a fee is added and approved by the Board, such as funding a new student service, the fee will apply to all students when implemented. For more information on the Tuition Guarantee, please contact the Office of Admissions, located in Sherman Hall 115, telephone (309) 298-3157.

### Individualized Degree Program

*Bachelor of Arts in General Studies Degree Program:* The Bachelor of Arts in General Studies degree program is a highly flexible approach to undergraduate education without a traditional major. The program is designed for students who are place-bound by work and/or family responsibilities. The fully online degree program permits maximum transfer of credit, as well as credit earned for individually selected courses, prior learning portfolios, military training, and proficiency examinations. Those students unable to attend classes on the WIU campuses in Macomb or the Quad Cities may enroll in online courses or coursework offered at extension sites. For more information on the Bachelor of Arts in General Studies degree program, please see page 236 of this catalog or go to [wiu.edu/bgs](http://wiu.edu/bgs).

## **Special Study Opportunities**

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### **Integrated Baccalaureate and Master's Degree Programs**

Western Illinois University offers the following integrated baccalaureate and master's degree programs:

Bachelor of Business in Accountancy / Master of Accountancy  
Bachelor of Business in Accountancy / Master of Business Administration  
Bachelor of Science in Agriculture / Master of Business Administration  
Bachelor of Arts in Anthropology / Master of Arts in Museum Studies  
Bachelor of Arts in Anthropology / Master of Liberal Arts and Sciences  
Bachelor of Arts in Art / Master of Arts in Museum Studies  
Bachelor of Fine Arts in Art / Master of Arts in Museum Studies  
Bachelor of Arts in Broadcasting and Journalism (Sports Broadcasting option) / Master of Science in Sport Management  
Bachelor of Business in Business Analytics / Master of Science in Applied Statistics and Decision Analytics  
Bachelor of Science in Chemistry / Master of Science in Chemistry  
Bachelor of Arts in Communication / Master of Arts in Communication  
Bachelor of Science in Computer Science / Master of Science in Computer Science  
Bachelor of Science in Computer Science / Master of Business Administration  
Bachelor of Arts in Economics / Master of Science in Quantitative Economics  
Bachelor of Business in Economics / Master of Science in Quantitative Economics  
Bachelor of Business in Economics / Master of Business Administration  
Bachelor of Science in Emergency Management / Master of Arts in Public Safety Administration  
Bachelor of Business in Finance / Master of Business Administration  
Bachelor of Arts in Foreign Languages and Cultures / Master of Liberal Arts and Sciences  
Bachelor of Science in Forensic Chemistry / Master of Science in Chemistry  
Bachelor of Arts in General Studies / Master of Science in Education in Educational Studies (Language, Culture, and Education option)  
Bachelor of Arts in General Studies / Master of Science in Instructional Design and Technology  
Bachelor of Arts in General Studies / Master of Arts in Public Safety Administration  
Bachelor of Science in Geographic Information Science / Master of Science in GIScience and Geoenvironment  
Bachelor of Science in Health Services Management / Master of Business Administration  
Bachelor of Arts in History / Master of Arts in History  
Bachelor of Business in Human Resource Management / Master of Business Administration  
Bachelor of Science in Law Enforcement and Justice Administration / Master of Arts in Public Safety Administration  
Bachelor of Science in Law Enforcement and Justice Administration / Master of Business Administration  
Bachelor of Liberal Arts and Sciences / Master of Liberal Arts and Sciences  
Bachelor of Business in Management / Master of Business Administration  
Bachelor of Business in Marketing / Master of Business Administration  
Bachelor of Science in Mathematics (Mathematics and Data Science and Statistics options) / Master of Science in Mathematics  
Bachelor of Science in Meteorology / Master of Science in GIScience and Geoenvironment  
Bachelor of Science in Physics / Master of Science in Physics  
Bachelor of Arts in Political Science / Master of Arts in Political Science  
Bachelor of Science in Recreation, Park and Tourism Administration / Master of Arts in Museum Studies

## **Special Study Opportunities**

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Bachelor of Science in Recreation, Park and Tourism Administration / Master of Science in Recreation, Park and Tourism Administration

Bachelor of Science in Recreation, Park and Tourism Administration / Master of Science in Sport Management

Bachelor of Arts in Sociology / Master of Arts in Sociology

Bachelor of Business in Supply Chain Management / Master of Business Administration

These programs are administered by the respective academic departments. An integrated baccalaureate and master's degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Typically, a baccalaureate degree requires four years to complete, and a master's degree requires an additional two years. However, the integrated degree programs are intended to be accomplished over a period of five years. In addition to allowing students to earn both degrees a year early, the integrated programs may include additional opportunities to participate in a variety of experiential educational activities such as a master's project or thesis. For additional information about the integrated baccalaureate and master's degree programs, please refer to the *Western Illinois University Graduate Studies Catalog*.

### **Office of Study Abroad and Outreach**

Study Abroad allows students to complement and enhance their classroom instruction by experiencing the culture and language of another country. Through WIU's Office of Study Abroad and Outreach, students can participate in a wide variety of educational programs located in more than 60 countries worldwide. Time abroad ranges from 10 days during spring or winter break to a full academic year. Costs for many programs are comparable to studying on WIU's Illinois campuses, and financial aid and scholarships are available to qualified students. Internships and service learning programs are also available. Undergraduate students may participate in a Study Abroad program if they are in good academic and student conduct standing, have a cumulative GPA of 2.5 or higher, and have completed 12 s.h. of undergraduate work at WIU. Certain programs may have additional eligibility criteria. For more information about Study Abroad at WIU, please contact the Office of Study Abroad and Outreach at (309) 298-2504 or go to [wiu.edu/studyabroad](http://wiu.edu/studyabroad).

### **University Advising Program (for undeclared students)**

Many students choose to explore several major options when entering college. Western Illinois University designates these persons as University Advising students, who can remain in this category until they have earned 45 credit hours. Students are required to declare a major at this point. The University Advising program is housed in the First Year Advising Center.

The University Advising Program enables students to examine major and career options while concentrating on coursework necessary for the University General Education Curriculum. The emphasis on General Education courses permits students to make progress toward graduation while still undecided about a specific major. Advisors help students evaluate interests, goals, values, and abilities, and apply this self-knowledge to the exploration of various majors.

University Advising is a positive option for students who are uncertain about their future plans and wish to explore academic and career possibilities during their first semesters at the University.

## **Special Study Opportunities**

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### **Western's English as a Second Language (WESL) Institute**

Western's English as a Second Language (WESL) Institute, accredited by the Commission on English Language Program Accreditation, provides an intensive program in academic English for international students who are preparing to enter an American college or university, as well as for others needing ESL services. The WESL curriculum is designed and taught by professional faculty to prepare students academically, socially, and culturally for success as University students. The English as a Second Language Program is offered during the Spring, Summer, and Fall semesters. It consists of three levels of instruction: Foundation, Intermediate, and University Preparation. Upon arrival, international students take the WESL English Placement Test and are thereby placed in the appropriate level of English study or directly into the University. The WESL program consists of two 16-week semesters which follow the WIU academic calendar. A ten-week Summer session can be available in certain years. WESL is on pause temporarily during COVID-19. We hope to resume in Fall 2023. For additional information on WESL, please go to [wiu.edu/globalstudies](http://wiu.edu/globalstudies).

# **Admission, Costs, Financial Assistance, and Records**

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# **Admission**

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## **Admission Procedures**

Western Illinois University is an Equal Opportunity/Affirmative Action educational institution and does not discriminate in any aspect of its educational programs or activities on the basis of sex, race, color, sexual orientation, gender identity, gender expression, religion, age, marital status, national origin, disability, or veteran status.

Students interested in attending Western Illinois University should apply at [wiu.edu/apply](http://wiu.edu/apply).

Supportive admission documents sent with admission forms are not returnable or transferable. Our email address is [admissions@wiu.edu](mailto:admissions@wiu.edu), and our mailing address is:

**Office of Undergraduate Admissions**

**Sherman Hall 115**

**1 University Circle**

**Western Illinois University**

**Macomb, IL 61455-1390**

Applications processed through Undergraduate Admissions must include a non-refundable application fee of \$30.

*Withholding information requested in the application or giving incorrect statements may render a student ineligible for admission or may result in dismissal.*

## **Freshmen**

### **Admission Standards**

Western Illinois University is committed to admitting students whose academic records indicate a high potential for success. Students are generally considered for freshmen admission if they are currently enrolled in high school or if they have never attended a college or university since graduating from high school. Students must earn a high school diploma.

1. Candidates with a minimum 2.75 cumulative high school grade point average or higher (on a 4.00 scale) will be admitted.
2. Candidates with a 2.00–2.74 cumulative high school grade point average are eligible for a holistic review of credentials to be considered for admission. WIU may request other information, as needed.
3. GED, proficiency-based school applicants, and standards-based school applicants without a test score will be considered for admission using a full holistic review of all credentials.
4. Students in the top 10% of their high school class at an accredited Illinois public or private high school will be automatically admitted to WIU.

Applicants whose high school GPA falls below regular admission criteria are considered for admission through alternative credential evaluation, including factors determined by answers to a series of questions sent to the student. Students may be admitted regularly or into the Reach Program (alternative admission program). To guarantee full consideration for admission as an incoming freshman through this alternative credential evaluation, applicants are encouraged to submit an application and supporting materials by March 15. For more information about the Reach Program, please visit [wiu.edu/reach](http://wiu.edu/reach).

**Note:** WIU considers applications on a rolling admission basis. Students are encouraged to submit all documentation prior to August 1 for the fall semester.

All new freshman applicants to Western Illinois University must submit an official or unofficial current transcript listing courses taken and in progress. Unofficial

transcripts will be considered for admission, but a final official transcript must be submitted immediately upon completion of high school.

## **High School Course-Specific Requirements:**

Freshmen entering WIU are to have completed the following high school coursework before entering the University:

- a. English: four years with an emphasis on written and oral communication and literature.
- b. Social Studies: three years with an emphasis in history and government.
- c. Mathematics: three years of introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming.
- d. Science: three years of laboratory sciences which include biology, chemistry, physics, earth science, or other college preparatory sciences.
- e. Other: two years to be selected from art, film, foreign language, music, speech, theatre, journalism, religion, philosophy, and vocational education.

In the event that new students have deficiencies in course-specific requirements, the University will consider alternative evidence or other academic activities in determining the mastery of the knowledge and skills in the area(s) of the deficiency.

## **Linkages Program**

The Linkages Program is a concurrent enrollment program whereby students enroll at Western Illinois University (Macomb or Quad Cities campus) and a participating community college. The goal is to help students reduce tuition costs and ensure a seamless transition into a WIU major. The Linkages Program is designed for college-ready students who will take one 100-level or 200-level course at Western Illinois University and register for the remainder of their classes at the participating community college. The Linkages Program is also a way for students to "lock in" WIU's 4-year Tuition Guarantee and become part of the WIU community. A current list of participating community colleges is available from the WIU Undergraduate Admissions website at [wiu.edu/linkages](http://wiu.edu/linkages). Students who are interested in the Linkages Program must submit a complete application for admission to the University.

## **Other Special Admission Provisions**

### *Applicants without a High School Diploma*

Persons who do not have a high school diploma and are not currently attending high school may apply for admission if they have passed the General Educational Development (GED) test. GED holders will meet with advisors who will discuss specific courses needed to meet any deficiencies in academic requirements.

### *Non-Degree Status*

Any student who has earned a high school diploma or its equivalent may attend Western as a non-degree student without meeting the regular admission requirements under the following provisions:

1. The student may enroll in no more than six semester hours per term, and may accrue no more than 30 semester hours at WIU.
2. Students who have earned more than 30 semester hours of college credit at Western Illinois University are not normally eligible for non-degree status. However, such students may appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS) for non-degree status.

## **Admission**

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3. Students currently on academic probation or suspension are ineligible for non-degree status.
4. Non-degree students must apply to CAGAS if they wish to be considered for degree candidacy.
5. Non-degree students are not eligible for financial aid or automatic scholarship opportunities.

### *Dual Enrollment High School Students*

High school students may be accepted for special admission to enroll in University courses while concurrently enrolled in secondary school. The following provisions apply:

1. The student must meet regular admission criteria.
2. The high school principal, counselor, or an appropriate designee must provide written support for the admission application.
3. Students must agree to pursue academic advising through the First Year Advising Center in Macomb or Quad Cities Student Services, as appropriate. International students must agree to pursue academic advising through the Center for Global Studies.
4. Students may enroll for a maximum of two courses per term without permission of the Council on Admission, Graduation, and Academic Standards (CAGAS).
5. Only 100- or 200-level courses, in which the student meets WIU placement or prerequisite requirements, may be taken without permission of the appropriate department chairperson.
6. Exceptions to the above policy must be approved by CAGAS.

### *Visiting/Guest Students*

Students who are degree candidates at other institutions may attend Western for one term under the following provisions:

1. Students must submit an application to Undergraduate Admissions for one semester.
2. Students must submit an official transcript from their last school attended verifying that they are in good status at that institution,  
OR  
Complete a personally signed WIU Visiting Student Form attesting good standing at the last school attended.

## **Transfer Students**

### **General Requirements**

Prospective transfer students who wish to apply should visit our website at [wiu.edu/](http://wiu.edu/) *apply*.

Applicants who have earned 24 or more semester hours (36 or more quarter hours) of college work will be considered for admission on the basis of college performance only. A combined 2.0 on a 4.0 scale for all hours attempted from all institutions attended and good standing at the last college/university attended are required for admission.

Applicants who have earned fewer than 24 semester hours (36 or fewer quarter hours) of college work must meet the freshman admission standards, have a combined C average for all hours attempted from all institutions attended, and be in good standing at the last college/university attended. In addition, transfer students with fewer than

24 semester hours (36 or fewer quarter hours) must meet the high school course-specific requirements (p. 25).

Students who have earned fewer than 24 semester hours (36 or fewer quarter hours) of college work and who meet freshmen admission standards, but who are not in good standing at the last college/university attended, may be considered for admission by the Council on Admission, Graduation, and Academic Standards (CAGAS).

Transcripts from each college and university attended must be sent directly from the institution(s) attended to Undergraduate Admissions at Western Illinois University. The recommended application deadline for students applying for Fall semester is August 1, and January 1 for Spring semester. *Failure to report any previous college work may result in dismissal from the University.* Transcripts received from other colleges and universities are utilized for admission purposes only and are not returnable or transferable.

Transfer credits may be accepted from another college or university of recognized standing. If the applicant is not from a regionally accredited school, credits may be accepted only after examination or by validation through satisfactory work at WIU. WIU will not accept for transfer credit a course equivalent to ENG 180 or 280 in which below C level work was recorded at a previous institution. This provision does not apply to students entering under the Community College Compact Agreement or the IAI General Education Core Curriculum.

To earn a baccalaureate degree, a transfer student must complete a minimum of 120 semester hours of credit, of which 60 semester hours must be completed at Western Illinois University or another accredited four-year institution. *Exceptions may be made for courses that are required for a student's major, and when the course is not offered at the WIU campus for which the student is enrolled, nor is there distance education access through WIU.* A minimum of 42 semester hours credit must be earned in upper-division courses (courses numbered 300 or above) from Western Illinois University or another accredited four-year institution. The student must also fulfill the University's General Education requirements (please see University General Education Curriculum, p. 69) and meet graduation requirements for a degree from WIU (please see Graduation Requirements, p. 46).

New transfer students who appeal and are accepted on probation are required to earn a minimum 2.00 cumulative grade point average by the end of their first term of enrollment.

## **Partner Schools (2+2 Degree Plans)**

Western Illinois University is committed to facilitating the best transfer experience possible. 2+2 Degree Plans are designed to facilitate conversations between the student and his/her academic advisor at the community college. For more information, please contact Undergraduate Admissions at (309) 298-3157 or by email at [transfer@wiu.edu](mailto:transfer@wiu.edu). For the most up-to-date list of WIU's partner schools, please see [wiu.edu/2plus2](http://wiu.edu/2plus2).

## **Illinois Statewide Articulated Baccalaureate-Oriented Associate Degrees**

### *Associate of Arts or Associate of Science and Art Degree Graduates—Compact Agreement*

All Illinois public community colleges, the Eastern Iowa Community College District, Southeastern Community College (Iowa), Indian Hills Community College (Iowa), Iowa Valley Community College (Iowa), Kirkwood Community College (Iowa), Northeast Iowa Community College (Iowa), and Lincoln College have a written articulation commitment (compact agreement) from Western Illinois University. Additional agreements are being developed with other public and private colleges in Illinois and Iowa. Completion of an associate's degree in a baccalaureate-oriented program

## **Admission**

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(A.A. or A.S.A.) at an accredited Illinois two-year institution (and selected other colleges) provides that the student will: (a) be accepted with junior standing, and (b) be considered to have completed the General Education requirements (University General Education Curriculum) at Western Illinois University. The associate's degree must include the equivalent of 60 semester hours with at least a C average. Western Illinois University will honor the community college commitment if Western Illinois University credit is used to complete the associate's degree.

**Exceptions:** An A.A. or A.S.A. degree graduate from an accredited Illinois two-year college (and other selected colleges) who is a candidate for a degree in the College of Arts and Sciences may be required to complete additional semester hours of coursework at WIU to satisfy college curriculum requirements.

### *Associate of Arts in Teaching (Early Childhood Education, Mathematics Education, Science Education, or Special Education) Degree Graduates*

Western Illinois University is a participant in four statewide articulated Associate of Arts in Teaching (A.A.T.) degree programs—Early Childhood Education, Mathematics Education, Science Education, and Special Education. Completion of an A.A.T. degree must be in one of four fields (Early Childhood Education, Mathematics Education, Science Education, or Special Education) and will only be accepted for transfer into a Teacher Education program in that same field. Students transferring into Western Illinois University with an A.A.T. must meet cumulative GPA requirements for being accepted into WIU's Teacher Education Program. Those completing the A.A.T. in Mathematics Education and Science Education must have a cumulative GPA of 2.5 from the community college at which they completed their program; and those completing the A.A.T. in Early Childhood Education and Special Education must have a cumulative GPA of 2.75.

**Early Childhood/Mathematics/Special Education:** Completion of an approved statewide articulated A.A.T. degree in Early Childhood Education, Mathematics Education, and Special Education at an accredited Illinois two-year institution provides that the student will: (a) be accepted with junior standing, and (b) be considered to have completed the General Education (University General Education Curriculum) requirements at Western Illinois University.

**Science Education:** Completion of an approved statewide articulated A.A.T. degree in Science Education at an accredited Illinois two-year institution provides that the student will be accepted with junior standing. Students must fulfill the University's lower-division General Education requirements by completing: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 43 s.h. WIU General Education Curriculum.

**Early Childhood AAS:** Completion of an Associate of Applied Science degree in Early Childhood Education from any Illinois community college provides that the student will: (a) be accepted with junior standing, and (b) be considered to have completed the General Education (University General Education Curriculum) requirements at Western Illinois University.

### *Associate of Engineering Science or Associate of Fine Arts (Art, Art Education, Music, or Music Education) Degree Graduates*

Completion of an approved statewide articulated Associate of Engineering Science (A.E.S.) or an Associate of Fine Arts (A.F.A.) in Art or Music degree at an accredited Illinois two-year institution provides that the student will be accepted with junior standing. Students must fulfill the University's lower-division General Education requirements by completing: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 43 s.h. WIU General Education Curriculum.

## Illinois Articulation Initiative (IAI)

Western Illinois University is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Illinois General Education Core Curriculum between participating institutions. Completion of the transferable General Education Core Curriculum at any participating college or university in Illinois assures transferring students that lower-division General Education requirements for a bachelor's degree have been satisfied. WIU will award transfer credit for Illinois General Education Core Curriculum courses taken at other institutions of higher education in accordance with the evaluation of transfer credit policy provided below. The following codes identify qualifying General Education courses: IAI C (Communication), IAI F (Fine Arts), IAI H (Humanities), IAI L (Life Sciences), IAI M (Mathematics), IAI P (Physical Sciences), and IAI S (Social/Behavioral Sciences). The appropriate IAI code follows the course descriptions of matching WIU courses in the Academic Departments, Programs, and Courses section of the catalog (p. 104). A complete listing of the WIU courses that match IAI Transferable General Education Core Curriculum course descriptions as of July 1, 2023, is provided on page 437.

## Evaluation of Transferable General Education Credit

The following guidelines will govern the evaluation of transfer credit for the University General Education Curriculum.\*

- *Courses taken at other accredited Illinois institutions.* Western Illinois University will accept for credit toward completion of the University General Education Curriculum courses taken at other accredited Illinois institutions of higher education. Students who have completed courses equivalent to those in the Illinois Transferable General Education Core Curriculum or WIU General Education Curriculum will be granted credit toward fulfilling WIU's General Education Curriculum requirement. Students may also be eligible to receive credit toward WIU's General Education requirement for completion of transfer coursework viewable at [transferology.com](http://transferology.com).
- *Students who have completed an Illinois associate's degree.* Transfer students who complete an associate's degree in a baccalaureate-oriented program (that meets general education requirements) at an accredited two-year institution (and selected other colleges) will: (a) be accepted with junior standing at Western Illinois University, and (b) be considered to have completed the University General Education Curriculum. The associate's degree must include the equivalent of at least 60 s.h. with at least a C average. Students who have completed the Associate of Science, Associate of Arts in Teaching in Science Education, the Associate in Engineering Science, or the Associate in Fine Arts in Art or Music must fulfill the University's lower-division General Education requirements by completing: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 43 s.h. WIU General Education Curriculum.
- *Students who have completed the Illinois Transferable General Education Core Curriculum but have not earned an associate's degree.* Transfer students from accredited Illinois institutions of higher education who have not earned an associate's degree in a baccalaureate-oriented program but have completed the Illinois Transferable General Education Core Curriculum will be considered to have completed the University General Education Curriculum. Western Illinois University will honor the Illinois Transferable General Education Core Curriculum if Western Illinois University credit is used to complete the Illinois Transferable General Education Core Curriculum.
- *Students who have not completed the Illinois Transferable General Education Core Curriculum or an associate's degree.* Transfer students from accredited Illinois institutions of higher education who have not earned an associate's degree or completed the Illinois Transferable General Education Core Curriculum, but have

## **Admission**

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been granted at least 30 semester hours of transfer credit by Western Illinois University, must complete one of the following: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 43 s.h. WIU General Education Curriculum. If fewer than 30 semester hours of transfer credit are granted, the student must complete one of the following: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum plus an additional 6 s.h. from any approved IAI or WIU General Education course, or (2) the 43 s.h. WIU General Education Curriculum. Students who have satisfactorily completed courses within the Illinois Transferable General Education Core Curriculum will be granted credit towards fulfilling comparable lower-division General Education requirements at WIU.

- *Non-accredited and out-of-state institutions without a compact agreement.* Individuals who have earned credits at non-accredited or out-of-state institutions will be evaluated on a course-by-course basis.
- *Students with quarter-system credits.* The University will waive a fraction of a semester hour of the minimum hours required from a specific area of the University General Education Curriculum for students with quarter-system credits.
- *Students who utilized grade replacement options.* For courses that have been repeated, WIU follows the rule of the credit-granting school for that credit. If the school grants credit for the course both times the course is taken, WIU will take the first grade if it was a passing grade.

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- \*1. In addition to the General Education Curriculum, students must complete major, minor, college-specific, and other requirements to earn the baccalaureate degree.
  - \*2. Coursework completed at community colleges and lower-division coursework completed at four-year institutions will transfer to WIU as lower-division credit, even if the equivalent WIU course is offered as an upper-division course. Lower-division transfer coursework will satisfy General Education requirements even though the equivalent WIU course is upper-division.
  - \*3. To satisfy the Communication Skills writing requirement, transfer students must have earned a grade of C or better in each of the courses noted as equivalent to ENG 180 and ENG 280 unless waived by the Community College Compact Agreement or the IAI Transferable General Education Core Curriculum.

### **Evaluation of Baccalaureate Major Transfer Credit**

The following guidelines will govern the evaluation of transfer credit for the baccalaureate major.\*\*

- Western Illinois University may accept for credit toward completion of a baccalaureate major courses taken at other accredited institutions of higher education. Transfer students who have completed courses in a transferable IAI baccalaureate major program that are equivalent to courses required for the appropriate WIU major will be granted direct equivalent credit toward completion of the WIU major. Students may also be eligible to receive credit toward major requirements for the completion of transfer coursework included at [ittransfer.org](http://ittransfer.org).
- Suggested coursework in a transferable IAI baccalaureate major that is determined not to have a WIU equivalent will be accepted as a Department Elective. Electives may apply towards completing the minimum 120 s.h. requirement for the baccalaureate degree. The major department will determine if such courses may apply toward completing specific requirements for the major.
- Individuals who have earned credits at non-accredited or foreign institutions will be evaluated on a course-by-course basis.
- *Students who utilized grade replacement options.* For courses that have been repeated, WIU follows the rule of the credit-granting school for that credit. If the

school grants credit for the course both times the course is taken, WIU will take the first grade if it was a passing grade.

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\* Coursework completed at community colleges and lower-division coursework completed at four-year institutions will transfer to WIU as lower-division credit, even if the equivalent WIU course is offered as an upper-division course.

## Reverse Transfer Credit

Pursuant to the Student Transfer Achievement Reform Act [110 ILCS 150], Reverse Transfer is a program designed for students who transferred from an Illinois public community college to WIU, but without earning their associate's degree prior to transfer. Transfer students with at least 15 transferrable credit hours from a public community college in Illinois are eligible for reverse transfer consideration upon achieving junior standing (60 hours earned). Through reverse transfer, eligible students may transfer WIU courses back to the community college in order to determine if an associate's degree may be awarded, while pursuing their baccalaureate degree. To opt-in to the Reverse Transfer program, visit [wiu.edu/registrar/retransferring.php](http://wiu.edu/registrar/retransferring.php).

## Veterans

Veterans returning from at least one year of active military service who have received an honorable discharge will be admitted to Western Illinois University without regard to previous academic performance provided that WIU is the first school that the veteran attends after leaving the service. Applicants in this category are required to have graduated from a recognized high school or to have earned a High School Equivalency Certificate. Applicants must submit the same academic documents required of those not in this admission category. In addition, veterans must submit a copy of form DD-214. Documents can be mailed or emailed.

These provisions also apply to individuals who have served for at least a year in VISTA, the Peace Corps, or similar programs.

## International Students

International students who are interested in applying as new freshmen or transfer students should refer to [wiu.edu/grad/international](http://wiu.edu/grad/international) for full details on the admission requirements, admission process, English language proficiency requirements, tuition costs, and available scholarships. The international application can also be found at [wiu.edu/grad/apply](http://wiu.edu/grad/apply).

Inquiries from international applicants may be emailed to [International-Inquiries@wiu.edu](mailto:International-Inquiries@wiu.edu).

United States citizens living abroad and undocumented persons domiciled in the United States who fall under House Bill 60 (students who have been in high school for three years in the State of Illinois) are not considered international applicants for purposes of this requirement and should contact Undergraduate Admissions.

## Bachelor of Arts in General Studies Degree

The Bachelor of Arts in General Studies degree program provides place-bound students an opportunity to earn a regionally accredited bachelor's degree that can be completed fully online, and requires no on-campus attendance. The General Studies program allows for maximum transferability of courses and is designed to meet the student's individual needs. A major is not designated for this highly individualized and flexible degree program, but students may earn academic minors. Please see page 236 of this

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catalog or [wiu.edu/bgs](http://wiu.edu/bgs) for additional information on the Bachelor of Arts in General Studies degree program.

### **Administrative Admission**

If a prospective student does not meet admission requirements or has been denied admission, any member of the University staff, faculty, administration, or Board of Trustees may recommend the student for admission consideration when there are mitigating circumstances.

### **Credit by External Examination**

Western Illinois University grants college-level credit to students successfully completing any of the programs listed below prior to enrollment at Western. Students can receive up to 30 semester hours of credit for graduation from military, external testing, or a combination of both.

- College Level Examination Program (CLEP)
- Defense Activity for Nontraditional Education Support (DANTES)
- International Baccalaureate (IB)
- Proficiency Examination Program (PEP)
- Seal of Biliteracy (HB 4330)
- Advanced Placement (AP) — note this is not included in the 30 s.h. limit

For specific information related to score requirements and academic areas covered by these programs, please contact Undergraduate Admissions, Sherman Hall 115, telephone (309) 298-3157 or [wiu.edu/admissions](http://wiu.edu/admissions).

### **Concurrent Admissions Program (ConAP)**

ConAP is a program for students who are planning to enlist directly into military service after high school or community college. Sponsored by the U.S. Army Recruiting Command and the Servicemembers Opportunity Colleges, the program allows individuals to seek admission to a college or university at the same time they enlist in the Army or Army Reserve. Enrollment is deferred until completion of active military service. The student must meet admission and degree requirements of the catalog in effect at the time of enrollment in classes at WIU. In addition, veterans must submit a copy of form DD-214. Enrollment of a ConAP student who has attempted college coursework elsewhere is subject to academic performance standards stated in the catalog. A ConAP student receiving less than an honorable discharge must meet regular freshman and/or transfer admission requirements. For additional information, please contact Undergraduate Admissions, Sherman Hall 115, telephone (309) 298-3157.

### **Reentry**

Any former undergraduate who has not attended Western Illinois University for one or more Spring or Fall terms must submit an undergraduate reentry form to the Office of the Registrar, Sherman Hall 110. An electronic reentry form may be accessed online at [wiu.edu/registrar](http://wiu.edu/registrar). If students have taken any college-level coursework since attending WIU, they must have an official transcript of this work sent directly to the Office of the Registrar. A student who has been academically suspended and inactive one regular semester following the suspension will be readmitted without appeal to the University by completing the reentry form. The student will be placed on academic probation and required to meet specific stipulations assigned by the University. A student who has been academically dismissed (has one or more academic suspensions) can attend Western only during the Summer terms. If at the end of any Summer term, the student's

cumulative grade point average is equivalent to 2.00 or higher, the student may continue at Western.

Reentry forms and necessary transcripts must be on file at least *two weeks* prior to the term for which the student is applying.

Students who reenter the University after an absence of two regular terms must meet the requirements of the current catalog unless they receive written permission from the dean of the college in which they are enrolled to continue under an earlier catalog. This written permission must be filed in the Office of the Registrar within nine weeks of matriculation, and the catalog chosen may not predate reentry by more than three years.

## New Start Policy

This policy is designed for former WIU students with a severe cumulative honor point deficiency who have not attended WIU for a minimum of three years.

1. Former WIU students who have not attended WIU for at least three years may petition the Council on Admission, Graduation, and Academic Standards (CAGAS) to have prior grades excluded from subsequent grade point average calculations. Such appeals must be received and approved prior to the student's reentry to WIU.
2. All hours earned will count toward total hours for graduation.
3. All students must have at least a C average in all WIU courses counted toward the major and the minor for graduation.

The New Start provision may be exercised only once, and all grades that a student has received at WIU will be used to determine class rank and honors. Any student under this policy must complete a minimum of 30 semester hours after returning to WIU to qualify for graduation. All courses taken and grades earned will appear on the transcript.

## Immunization Policy

Illinois state law and University policy require all enrolled students to provide official written evidence to Beu Health Center of current immune status with respect to certain communicable diseases. Effective July 21, 2016, the diseases to which all enrolled students must show immunity are meningitis, measles, mumps, rubella, tetanus, and diphtheria.

This policy is implemented under the authority of the College Student Immunization Act (110 ILCS 20) and associated rules (Title 77, Chapter 1, Subchapter k, Part 694). Please refer to [wiu.edu/policies/immun.php](http://wiu.edu/policies/immun.php) for Western Illinois University's current Immunization Protocol policy.

# Costs

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## Tuition and Fees

*Tuition and University fees are subject to change without notice by action of the Western Illinois University Board of Trustees.*

Western Illinois University offers a guaranteed tuition rate for each new class of entering students. The guaranteed rates remain in effect for four years as long as students maintain continuous enrollment. Students who finish a degree program and who continue at the University will be assessed the appropriate rate in effect at the time of their next enrollment. The tuition and fee rates for new undergraduate students (first enrolled Fall 2023, Spring 2024, or Summer 2024) appear below. Tuition and fee rates for returning students may be obtained by contacting the Billing and Receivables Office located in Sherman Hall 106, telephone (309) 298-1831, or at [wiu.edu/billing](http://wiu.edu/billing).

The 2023–2024 University fee rate is \$101.56 per semester hour. Summer fee rates may be obtained at [wiu.edu/billing](http://wiu.edu/billing).

<b>Undergraduate Domestic Students</b>				<b>Undergraduate International Students</b>			
<b>Hours</b>	<b>Tuition</b>	<b>Fees</b>	<b>Total</b>	<b>Hours</b>	<b>Tuition</b>	<b>Fees</b>	<b>Total</b>
1	\$326.70	\$101.56	\$428.26	1	\$490.05	\$101.56	\$591.61
2	\$653.40	\$203.12	\$856.52	2	\$980.10	\$203.12	\$1,183.22
3	\$980.10	\$304.68	\$1,284.78	3	\$1,470.15	\$304.68	\$1,774.83
4	\$1,306.80	\$406.24	\$1,713.04	4	\$1,960.20	\$406.24	\$2,366.44
5	\$1,633.50	\$507.80	\$2,141.30	5	\$2,450.25	\$507.80	\$2,958.05
6	\$1,960.20	\$609.36	\$2,569.56	6	\$2,940.30	\$609.36	\$3,549.66
7	\$2,286.90	\$710.92	\$2,997.82	7	\$3,430.35	\$710.92	\$4,141.27
8	\$2,613.60	\$812.48	\$3,426.08	8	\$3,920.40	\$812.48	\$4,732.88
9	\$2,940.30	\$914.04	\$3,854.34	9	\$4,410.45	\$914.04	\$5,324.49
10	\$3,267.00	\$1,015.60	\$4,282.60	10	\$4,900.50	\$1,015.60	\$5,916.10
11	\$3,593.70	\$1,117.16	\$4,710.86	11	\$5,390.55	\$1,117.16	\$6,507.71
12	\$3,920.40	\$1,218.72	\$5,139.12	12	\$5,880.60	\$1,218.72	\$7,099.32
13	\$4,247.10	\$1,320.28	\$5,567.38	13	\$6,370.65	\$1,320.28	\$7,690.93
14	\$4,573.80	\$1,421.84	\$5,995.64	14	\$6,860.70	\$1,421.84	\$8,282.54
15	\$4,900.50	\$1,523.40	\$6,423.90	15	\$7,350.75	\$1,523.40	\$8,874.15
16	\$5,227.20	\$1,624.96	\$6,852.16	16	\$7,840.80	\$1,624.96	\$9,465.76
17	\$5,553.90	\$1,726.52	\$7,280.42	17	\$8,330.85	\$1,726.52	\$10,057.37
18	\$5,880.60	\$1,828.08	\$7,708.68	18	\$8,820.90	\$1,828.08	\$10,648.98
19	\$6,207.30	\$1,929.64	\$8,136.94	19	\$9,310.95	\$1,929.64	\$11,240.59
20	\$6,534.00	\$2,031.20	\$8,565.20	20	\$9,801.00	\$2,031.20	\$11,832.20

Health insurance will also be assessed for students enrolled nine or more hours. The 2023–2024 student insurance rate is \$1,052.00 per semester.

Dual Enrollment High School Students are not assessed University fees. For additional information regarding this admission status, please see [wiu.edu/student\\_services/undergraduate\\_admissions/prospective/nontraditional.php](http://wiu.edu/student_services/undergraduate_admissions/prospective/nontraditional.php).

## Miscellaneous Fees and Charges

*Audited Courses:* Audited courses are assessed tuition and fees per hour based upon the appropriate rate schedule.

*Orientation:* A non-refundable Orientation Fee is assessed to first-time students attending the Macomb campus. This fee encompasses publications and programs coordinated by Admissions.

*Transcript:* A \$15 non-refundable transcript fee will be assessed to all new matriculating students. This fee entitles the student to unlimited paper transcripts. An additional charge applies to expedited transcripts.

## On-Campus Housing

Because living in the residence hall is such an important part of a student's college experience, all freshman and sophomore students (defined as fewer than 60 credit hours) are required to live in a University residence hall. All exceptions to this policy must be approved in writing through the petition process.

Students residing with parents or a legal guardian within a 40-mile radius of Macomb; veterans with one year of active service; students who are married, or in a documented domestic partnership; or students who have primary custody of dependent children are exempt from this policy but must contact University Housing and Dining Services in writing to obtain an official exemption. All exemptions to this policy must be approved in advance by submitting a petition form to University Housing and Dining Services, Seal Hall. Freshman and sophomore students not in compliance with the University's residency policy will be restricted from registering for classes and may be subject to the appropriate financial charges for the period they were not in compliance with the policy. Residence hall applications/contracts are for the full academic year for all students.

Students of junior and senior standing (at least 60 credit hours) may reside in accommodations of their choosing.

The 2023–2024 residence hall room and meal plan rates per semester for new students appear below. Room and meal plan rates are subject to change without notice by action of the WIU Board of Trustees.

### **2023-2024 Room Rates with Meal Plan Per Semester**

		<b>Grote Hall</b>	<b>Corbin Suite</b>
Double Occupancy	\$5,460.00	\$5,935.00	\$5,760.00
Single Occupancy	\$6,945.00	\$6,878.75	\$8,280.00
Super Single	\$7,110.00		
Super Double	\$5,760.00		

## Expected Expenses

A new full-time undergraduate student with 15 semester hours could expect to incur the following expenses during the 2023–2024 academic year:

	<b>Semester</b>	<b>Academic Year</b>
Tuition	\$4,900.50	\$9,801.00
University Fees and Health Insurance	\$2,575.40	\$5,150.80
Orientation, ResNet, and Transcript Fees	\$285.00	\$405.00
Room (Double) and Meal Plan	\$5,460.00	\$10,920.00
<b>Total Tuition, Fees, and Room/Meal Plan</b>	<b>\$13,220.90</b>	<b>\$26,276.80</b>
<b>Other Estimated Costs</b>		
Books (estimate)	\$600.00	\$1,200.00
Personal Expenses (estimate)	\$1,010.50	\$2,021.00
<b>Domestic Total (estimate)</b>	<b>\$14,831.40</b>	<b>\$29,497.80</b>
<b>International Total (estimate)</b>	<b>\$17,281.65</b>	<b>\$34,398.30</b>

## **Costs**

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Amounts are subject to change without notice by action of the WIU Board of Trustees. A cost estimator, which allows individuals to obtain cost estimates based upon specific student choices, is available on the Billing and Receivables Office website, [wiu.edu/billing](http://wiu.edu/billing).

## **Billing System**

The student receivables system brings University charges and credits into one account. The Billing and Receivables Office will compile the latest information from University offices (i.e., Financial Aid, Registrar, and University Housing and Dining) and prepare the monthly billing statement. A finance charge of 1% per month on the unpaid balance from the prior month's billing will be assessed. A student with an account balance will be denied registration and academic transcripts. Fall semester charges are due August 28, Spring semester charges are due January 28, and Summer charges are due June 28.

The University bills by semester, not by academic year. Actively enrolled students will receive their billing statement notification via WIU email. Notification will be sent to the student at his/her WIU email address when each bill is ready to view on STARS. Students may establish additional email addresses to which the notification may also be sent on STARS. The email will include the account balance and the due date. Details must be viewed on STARS. Failure to view a bill will not excuse finance charge assessments or late payment of the account. It is the student's responsibility to correct and update his/her address and email addresses on STARS.

## **Student Health Insurance**

The Student Health Insurance Program is administered in cooperation with Beu Health Center through the Student Health Insurance Office. Students taking a minimum of 9 hours, with at least 5 on the Macomb campus, are automatically enrolled in the Student Health Insurance Program, and all graduate assistants under contract to the University taking one hour or more of any type of classes are automatically assessed the insurance fee. Students taking WIU—Quad Cities classes are not automatically assessed the student health insurance fee but may be able to purchase insurance with at least 9 hours and at least 5 hours on campus. Additional information may be obtained by contacting the Student Health Insurance Office, located in Memorial Hall 125, at (309) 298-1882.

Students whose coverage meets or exceeds the University waiver criteria may apply to opt out of the student insurance program by completing the online waiver application. Contact the Student Health Insurance Office at (309) 298-1882 for information on the waiver process. The final deadline for filing an insurance waiver form is the 10th day of the Fall or Spring semester or the 6th day of the Summer session.

## **University Credit/Refund Policy**

The following refund/credit policy is for regularly scheduled classes. Refund/credit periods for irregularly scheduled classes and independent study courses offered through the School of Global Education and Outreach vary. Please refer to [wiu.edu/registrar](http://wiu.edu/registrar) for more detailed information.

### *Dropped Course*

Students enrolled in any combination of sessions, either on-campus or off-campus, must drop from the desired class within that session's 100% refund/credit period to avoid assessment of tuition and mandatory fee charges. Students will be assessed full tuition and fees in accordance with the University's tuition and fee schedule for classes

dropped after the 100% refund/credit period. The 100% refund/credit periods for regularly scheduled classes are as follows:

- Fall and Spring semesters: on or before the 10th class day of the semester.
- Summer session: on or before the 6th class day of the session.

#### *Total University Withdrawal*

Procedures: Any student making a TOTAL University withdrawal MUST withdraw within established refund/credit dates to avoid charges. Prior to the first day of the semester, a student may completely withdraw from the University through STARS. On or after the first day of the semester, in order to completely withdraw from the University, students who are classified as full-time students must contact the Student Development and Success Center [(309) 298-1884] to withdraw from the University.

A student may withdraw during the first ten weeks of a regular semester. After the first ten weeks, a student may not withdraw from the University unless there are exceptional and documented circumstances. Withdrawal may affect a student's eligibility for current or future financial aid.

Fall and Spring Semesters: A student who has registered for regularly scheduled classes and officially and TOTALLY withdraws from Western Illinois University in accordance with established University procedures on or before the tenth class day of the semester shall receive credit for all tuition, mandatory fees, and pro-rated credit for room and meal plan charges.

Students who officially and TOTALLY withdraw after the tenth day of the semester shall be entitled to a refund/credit of tuition, mandatory fees, and room and meal plan charges as follows:

Remainder of Week 3 .....	80% refund
Week 4 .....	70% refund
Week 5 and Week 6 .....	60% refund
Week 7 and Week 8 .....	50% refund
Week 9 .....	40% refund
Week 10 .....	30% refund
After Week 10 .....	0% refund

Summer Session: The University designates shorter withdrawal credit periods for the Summer session, special courses, and short courses scheduled during that term. Withdrawal credit periods are available on the Office of the Registrar website at [wiu.edu/registrar](http://wiu.edu/registrar).

## **Residency Status Regulations**

Domestic and international tuition is assessed based on the following regulations. All questions related to residency may be directed to the Office of the Registrar, Sherman Hall 110, telephone (309) 298-1891.

### 1. Definitions

For purposes of this regulation, the following definitions pertain:

- a. An "adult student" is a student who is eighteen or more years of age.
- b. A "minor student" is a student who is less than eighteen years of age.
- c. An "emancipated minor student" is a completely self-supporting student who is less than eighteen years of age. Marriage or active military service shall be regarded as effecting the emancipation of minors, for the purposes of this regulation.

## **Costs**

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- d. "Residence" means legal domicile. Voter registration, filing of tax returns, proper license and registration for driving or ownership of a vehicle, and other such transactions may verify intent of residence in a state. Neither length of University attendance nor continued presence in the University community during vacation periods shall be construed to be proof of Illinois residence. Except as otherwise provided in this regulation, no student, parent, or legal or natural guardian will be considered a resident unless the student, parent, or guardian maintains a bona fide and permanent residence in Illinois, except when temporarily absent from Illinois, with no intention of changing his or her legal residence to some other state or country.

### **2. Residency Determination**

The University shall determine the residency status of each student enrolled in the University for the purpose of determining whether the student is assessed domestic or international tuition. Each applicant for admission shall submit at the time of application evidence for determination of residency in accordance with this regulation. The office responsible for admissions shall make a determination of residency status.

- a. If a non-resident is classified by error as a resident, a change in tuition charges shall be applicable beginning with the term following reclassification. If the erroneous resident classification is caused by false information submitted by the student, a change in tuition charges shall be applicable for each term in which tuition charges were based on such false information. In addition, the student who has submitted false information may be subject to appropriate disciplinary action.
- b. If a resident is classified by error as a non-resident, a change in tuition charges shall be applicable during the term in which the reclassification occurs, provided that the student has proven residency in accordance with this regulation.

### **3. Residency Requirements**

#### **a. Adult Students**

To be considered a resident, an adult student must be a bona fide resident of Illinois as defined in 1.d. In the case of adult students who reside with their parent(s), the student will be considered a resident if one of the parents has established and is maintaining a bona fide residence in Illinois.

To be considered a resident, an adult student not residing in Illinois must be a bona fide resident of one of the approval states outside of Illinois. The Board of Trustees will approve the appropriate states which will be listed in the cost section of the official Western Illinois University catalog.

#### **b. Minor Students**

The residence of minor students shall be considered to be the same as that of their parents or that of either parent if the parents are separated or divorced or that of their legally appointed or natural guardian such as a grandparent, adult sibling, adult uncle, or adult aunt by whom the minor has been supported.

#### **c. Emancipated Minors**

If emancipated minors actually reside in Illinois, such minors shall be considered residents even though their parents or guardians may not reside in Illinois.

#### **d. Minor Children of Parents Transferred Outside the State of Illinois**

The minor children of persons who have resided in Illinois immediately prior

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to a transfer by their employers to some location outside of the State of Illinois shall be considered residents. This rule shall apply, however, only when the minor children of such parents enroll in the University within five years of the time their parents are transferred by their employer to a location outside the State of Illinois.

e. **Married Students**

A non-resident student, whether a minor or adult, who is married to a person who meets and complies with all of the applicable requirements of these regulations to establish residence status, shall be classified as a resident.

f. **Armed Forces Personnel**

Non-residents of Illinois who are on active duty with one of the services of the Armed Forces of the United States who are stationed in Illinois and who submit evidence of such service and station, as well as the spouses and dependent children of such persons, shall be considered residents as long as such persons remain stationed in Illinois and the spouses and/or dependent children of such persons also reside in Illinois. If such persons are transferred to a post outside the continental United States but such persons remain registered at the University, residency status shall continue until such time as these persons are stationed within a state other than Illinois within the continental United States. Effective July 1, 2015, students using benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008 (Chapter 33), the All-Volunteer Force Educational Assistance (Chapter 30), or any subsequent variation of those Acts, WIU shall deem that student an Illinois resident for tuition purposes regardless of the covered student's state of residence.

g. **Staff Members of the University, Allied Agencies, and Faculty of State-Supported Institutions in Illinois**

Staff members of the University and of allied agencies, and faculties of state-supported institutions of higher education in Illinois, holding appointment of at least one-quarter time, and their spouses and dependent children, shall be treated as residents.

h. **Teachers in Public and Private Illinois Schools**

Teachers in the public and private elementary and secondary schools of Illinois shall, if subject to payment of tuition, be assessed at the resident rate during any term in which they hold an appointment of at least one-quarter time, including the summer session immediately following the term in which the appointment was effective.

4. **Residency Status Appeal Procedure**

Students who take exception to their residency status classification shall pay the tuition assessed but may appeal to the University Registrar by proving Illinois residency in accordance with these regulations. The appeal must be filed within sixty (60) calendar days from the date of the tuition bill or the student loses all rights to a change of residency status for the term in question. If the student is dissatisfied with the ruling in response to the appeal made within said period, the student may file a written appeal within thirty (30) calendar days of receipt of the decision of the Administrative Hearing Committee, which shall consider all evidence submitted in connection with the case and render a decision which shall be final.

5. **Special Situations**

The President may, in special situations, grant residency status to categories of persons otherwise classified as non-residents under this regulation.

## **Financial Assistance**

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State and federal student loans and grants, as well as scholarships, work-study programs, and campus jobs, are available to help ease the cost of attending college. Eighty-four percent of WIU undergraduate students receive some type of financial assistance. Financial assistance is traditionally awarded in the form of scholarships, grants, loans, and student employment.

### **Scholarships**

Scholarships at WIU provide educational opportunities for many students. Through the generosity of alumni, faculty and staff, friends, parents, corporations, and foundations, WIU disburses several million dollars in scholarships each year. Scholarship opportunities exist for all class levels, and most are based on academic achievement. For additional scholarship information, please contact the Office of University Scholarship Activities, Sherman Hall 308, telephone (309) 298-2001, email [sc-office@wiu.edu](mailto:sc-office@wiu.edu), or [wiu.edu/scholarships](http://wiu.edu/scholarships).

*The Department of Military Science (ROTC)* has two-, three-, and four-year federal scholarships that pay either 100% of tuition and fees, or up to \$10,000 of room and meal plan (student's preference), plus \$1,200 annually for books and an annual stipend of \$4,200 (\$420/month for 10 months). In addition to the federal scholarships, ROTC has 40 Illinois ROTC tuition waivers which cover full tuition and some fees for up to four years. (Additionally, students who transfer from an Illinois Community College to WIU and enroll in ROTC can apply for a tuition waiver that covers full tuition and some fees for four years.) For additional information, please contact the Department of Military Science in Horrabin Hall 103, telephone (309) 298-1161.

*Talent Grants and Tuition Waivers* are awarded to students based on demonstrated talent in music, art, theatre, dance, and skills such as leadership or academic achievement. Students majoring in Art, Music, or Theatre should contact the appropriate academic department to get information about the availability of talent grants. Awards based on leadership and academic achievement are usually given after students have generated a GPA at WIU, and/or become involved with various campus organizations.

*Veterans Benefits:* Questions related to most veterans benefits should be directed to the Veterans Resource Center located at 333 North Ward Street, (309) 298-3505. It provides coordinated services and resources in a one-stop location to ensure all veterans and service members are successful. They will ensure the Montgomery GI Bill® is certified by the designated school official and assist in administering the Illinois Veterans Grant and the Illinois National Guard Grant through the Financial Aid Office. More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA).

*Athletic Scholarships:* Western Illinois University competes at the NCAA Division I level in the Summit League and Missouri Valley Football Conference. Athletic scholarships are highly competitive. Prospective student-athletes interested in scholarship opportunities should contact the respective coaches/recruiting coordinators in their varsity sport of interest.

### **Grants and Loans**

Information about federal and state student grants and loans is available from the Office of Financial Aid, Sherman Hall 127, telephone (309) 298-2446. Financial aid advisors are available to answer questions and to help with the application process. Most grants and loans are awarded on the basis of financial need as determined from the Free Application for Federal Student Aid (FAFSA), which is available through the

Financial Aid website at [wiu.edu/fa](http://wiu.edu/fa). Students are encouraged to apply early since some funds are limited.

### **Employment**

Most students enrolled for a minimum of six semester hours during the academic year can apply for on-campus, regular student employment. Some students can qualify for Federal Work-Study positions based on financial need as determined by the Free Application for Federal Student Aid (FAFSA). Students are prohibited from working more than 20 hours per week while classes are in session. Information on regular student employment and Federal Work-Study jobs is available online at [wiu.edu/studentemployment](http://wiu.edu/studentemployment). For additional information on student employment opportunities, please contact Human Resources in Sherman Hall 105, telephone (309) 298-1971.

### **Senior Citizen Tuition Waivers**

Students accepted for admission who are 65 years of age or older, and who are legal residents of Illinois with an annual combined household income less than the threshold amount provided in Section 4 of the "Senior Citizens and Disabled Persons Property Tax Relief and Pharmaceutical Assistance Act", shall be permitted to enroll in regularly scheduled courses, on a credit or noncredit basis, without the payment of tuition and mandatory fees provided that available classroom space exists and tuition-paying students enrolled constitute the minimum number required for the course. This regulation shall not apply to courses offered only on a noncredit basis or to courses designed especially for senior citizens. Please contact Financial Aid, Sherman Hall 127, telephone (309) 298-2446, for further information.

### **VA Pending Payment Compliance**

Beginning August 1, 2019, and despite any policy to the contrary, Western Illinois University will not take any of the four following actions toward any student using the U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while their payment from the United States Department of Veterans Affairs is pending to WIU:

- Prevent their enrollment;
- Assess a late penalty fee to;
- Require they secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA's Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutions policies (see WIU's School Certifying Official for all requirements).

# **Educational Records Policy**

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## **Family Educational Rights and Privacy Act (Notification to Students) Policy**

Western Illinois University, in full compliance with the Family Educational Rights and Privacy Act of 1974, shall make educational records available to students upon request. Likewise, in accordance with the law, individually identifiable educational records will not be released to other than authorized individuals without written consent of the student. Students have the right to file complaints with the Family Educational Rights and Privacy Act (FERPA) Office concerning alleged failures by the institution to comply with the Act.

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day Western Illinois University receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the school to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the school decides not to amend the record as requested, the school will notify the student in writing of the decision and of the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The school discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by Western Illinois University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of Western Illinois University who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student who is volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Western Illinois University.

## **Educational Records Policy**

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Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll. The Access to and Release of Student Information Policy ([wiu.edu/policies](http://wiu.edu/policies)) includes additional disclosures that are permitted by FERPA without prior written consent.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Western Illinois University to comply with the requirements by FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202

Western Illinois University considers the following categories to be directory information, and, as such, may release it to any or all inquirers in such forms as news releases, directories, or computer address lists:

1. the student's name,
2. school and home address,
3. WIU email address,
4. telephone number,
5. major field of study,
6. dates of attendance,
7. full- or part-time status,
8. classification,
9. degrees, honors, and awards received (including Dean's List) and date granted,
10. anticipated graduation date,
11. most recent previous educational agency or institution attended,
12. participation in officially recognized activities and sports, and
13. for members of athletic teams, weight and height.

Students who do not wish this information to be released may prevent such release by submitting an Exclusion of Directory Information Form to the Office of the Registrar, Sherman Hall 110. The request for exclusion of directory information will be honored indefinitely; however, it does not affect directory information already published or released. By requesting exclusion of directory information, students should be aware that all future requests for this information by anyone other than school officials with legitimate educational interests will be refused.

## **Graduation Requirements, Academic Regulations, and GradTrac**

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## **Graduation Requirements, Academic Regulations, and GradTrac**

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# **Graduation**

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## **University Graduation Requirements**

Students at WIU may graduate with Bachelor of Arts, Bachelor of Business, Bachelor of Fine Arts, Bachelor of Liberal Arts and Sciences, Bachelor of Music, Bachelor of Science, Bachelor of Science in Education, Bachelor of Science in Nursing, or Bachelor of Social Work degrees. Degrees are awarded at the end of each semester.

Specific requirements for each degree will be found in the catalog descriptions under the appropriate colleges and departments. In addition, all students who wish to graduate must:

1. **General Education:** Complete all the General Education Curriculum requirements.
2. **Grade Point Average (GPA):** Earn a minimum overall grade point average of 2.00 (C), and a minimum grade point average of 2.00 or better in their major and minor or comprehensive major. (See individual college requirements.)
3. **Major/Minor:** Complete the departmental requirements for their major or comprehensive major; complete at least 16 semester hours for a minor. A comprehensive major must include at least 48 semester hours. A major must include at least 32 semester hours.  
*Note: A maximum of five semester hours of credit of a single, specific course, required by both a major and a minor, may be used by a student to fulfill requirements for both that major and minor when the major and minor are from different programs. This course cannot also be used to satisfy University General Education.*
4. **Foreign Language/Global Issues:** Fulfill the foreign language/global issues requirement for their major. (See p. 63.)
5. **Writing Instruction in the Disciplines (WID):** Fulfill the Writing Instruction in the Disciplines (WID) requirement in their major. (See p. 60.)
6. **Semester Hours:** Earn a minimum of 120 semester hours of credit. At least 60 of those hours must be from a four-year college or university; at least 42 must be earned in upper-division courses (numbered 300 and above, or their equivalent) from a four-year institution.
7. **Residency:** Complete at least 30 semester hours while in residence at WIU, at least 15 of which must be taken in the year prior to graduation. No more than 10 of these hours can be taken in Pass/Fail or non-credit courses. Credit earned by proficiency examination does not satisfy residence requirements.
8. **Military Credit/External Testing:** Count no more than 30 semester hours toward credit for graduation by military credit, external testing, or a combination of these.
9. **First Year Experience:** Complete the First Year Experience requirement. (See p. 57.)
10. **Math Competency:** Demonstrate their ability to use baccalaureate-level skills in Mathematics. (See University General Education Requirements, p. 69.)
11. **Graduation Application:** File an application for graduation in the Office of the Registrar during the last semester as a junior.
12. **University Encumbrances:** Clear all financial and administrative obligations to the University before proof of degree will be provided.

## **Catalog Use**

*Former students:* A student who re-enters the University after an absence of two or more semesters, excluding Summer session, must meet the requirements of the current catalog unless he or she receives written approval from the dean of the college in which he or she is enrolled to continue under an earlier catalog. This written permission

must be filed in the Office of the Registrar within nine weeks of matriculation, and the catalog chosen may not predate re-enrollment by more than three years.

*Transfer students:* Transfer students accepted for admission to Western Illinois University may elect to meet the requirements of the catalog in effect when they first enrolled at a community college or other four-year institution, provided this Western Illinois University catalog does not antedate the catalog in effect upon their initial enrollment at Western by more than three years. They may also elect to meet the requirements of the current catalog. Catalog choice must be made within nine weeks of matriculation at Western Illinois University.

### **Commencement and Issuance of Diploma**

Students who anticipate completion of academic requirements for graduation are eligible to participate in Commencement ceremonies. Although attendance at Commencement ceremonies is optional, students who wish to attend must indicate this on the graduation application and have that application on file in the Office of the Registrar no later than 60 days prior to Commencement exercises. Students who anticipate graduating at the end of the Spring or Summer term attend the May ceremony; students who anticipate graduating at the end of the Fall semester attend the December ceremony.

Diplomas will be mailed to all students who have completed all graduation requirements and who do not have any University holds.

### **Degrees with Distinction and Honors Scholar**

#### *Academic Distinction*

Candidates for the baccalaureate degree who have done outstanding work may graduate with academic distinction upon completion of their degree programs. To qualify for academic distinction, students must have completed at least 60 semester hours of letter-graded coursework (including S/U) at WIU, in addition to meeting the grade point requirements described below.

Students who have completed all of their coursework at WIU and who have a cumulative grade point average of 3.60 to 3.74 for all work completed will graduate "Cum Laude." Candidates who have a cumulative grade point average of 3.75 to 3.89 for all work completed will graduate "Magna Cum Laude." Candidates who have a cumulative grade point average of 3.90 or higher for all work will graduate "Summa Cum Laude."

Students who have attempted or completed coursework at other institutions of higher education are also eligible to be considered for academic distinction. Grades for all coursework completed at WIU must meet the qualifications described above. In addition, grades for all coursework attempted at any other institution of higher education will be evaluated for academic distinction in the following manner: If the combined grade point average of grades for WIU coursework and coursework attempted at other institutions does not meet the thresholds listed above, then the student will not qualify for academic distinction. If the grade point average for coursework from all other institutions is higher than the WIU grade point average, only the WIU grade point average will be taken into account in the determination of academic distinction.

In accordance with WIU's policy on repeating a course for grade replacement, for purposes of calculating graduation with academic distinction, honors points for all attempts of a course will be averaged.

# **Graduation**

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## *Honors Scholar*

Students who have completed the requirements of the Centennial Honors College may graduate with the distinction General Honors Scholar, Major Honors Scholar, or University Honors Scholar. Please see page 101 for additional information on the Centennial Honors College.

## **Double Major**

A student may graduate with two majors by meeting the following requirements:

1. One major must be declared as the primary major. The student must meet the General Education Curriculum requirements appropriate for the primary major.
2. The requirements for the secondary major are only those required by the specific major.
3. No minor is required for a student graduating with a double major.
4. Primary and secondary majors must be so designated on the graduation application.

*Important Note:* Students completing two majors are granted only one degree with the degree title dictated by the primary major. Only one diploma will be issued.

## **Minor**

All non-comprehensive majors require completion of a minor for graduation. Students enrolled in a non-comprehensive major must officially declare a minor before they earn 75 semester hours. Students must take at least one course from their minor at Western Illinois University in order to establish a grade point average (GPA) in the minor. A minimum GPA of 2.00 in the minor is required for graduation.

## **Option**

An option is a subdivision of a major academic field of study. Successful completion of an option is designated on the University transcript upon receipt of the degree.

## **Second Baccalaureate Degree**

To be eligible for a second baccalaureate degree, after having been granted one by an accredited institution, a candidate must comply with the following:

1. The candidate must apply to and be accepted by the School of Graduate Studies for admission to the University.
2. The candidate must submit a degree plan from the major department to be approved by the Council on Admission, Graduation, and Academic Standards (CAGAS).
3. The candidate must secure approval from CAGAS prior to enrolling.
4. The candidate becomes an undergraduate upon approval of the second degree plan. All undergraduate University policies are applicable.
5. The candidate must earn a minimum of 30 additional semester hours in residence. Courses in the degree plan may not be taken Pass/Fail.
6. The candidate must complete an undergraduate application for graduation at least one semester prior to graduation.

**Note:** The grade point average calculation for second baccalaureate degree students will not utilize any grades from previous degrees.

### Credits, Honor Points, and Grade Point Average

Academic credit is expressed in semester hours. Honor points are assigned to the following letter grades and are used to determine the academic standing of the student:

Each credit hour of A.....	4.00 honor points
Each credit hour of A-.....	3.67 honor points
Each credit hour of B+ .....	3.33 honor points
Each credit hour of B.....	3.00 honor points
Each credit hour of B-.....	2.67 honor points
Each credit hour of C+.....	2.33 honor points
Each credit hour of C.....	2.00 honor points
Each credit hour of C-.....	1.67 honor points
Each credit hour of D+.....	1.33 honor points
Each credit hour of D.....	1.00 honor point
Each credit hour of D-.....	0.67 honor points
Each credit hour of F, FN, or FW .....	0.00 honor points

The symbols I, W, X, UX, P, S, N, and U do not carry honor point values.

The grade point average is the total of all honor points divided by the total of all credit hours attempted and graded using honor point bearing letter grades. An audited course may not be repeated later for credit.

### Dean's List (Semester and Summer Session Honors)

To be eligible for semester honors, a student must be in good standing, earn a minimum of 12 hours of credit in courses graded using honor point bearing letter grades, and earn a 3.60 average for the semester.

To be eligible for Summer session honors, a student must be in good standing, earn a minimum of six hours of credit in courses graded using honor point bearing letter grades, and earn a 3.60 average for the Summer session.

### Grade Change

When an error has been made in computing or reporting a student's course grade, the reported grade may be changed. The request for a change should be reported to the Registrar within three weeks after the next term begins.

The student initiates the procedure for the change by contacting the course instructor. The instructor submits a Grade Change Request. The Request must be approved by the department chair.

Upon receipt of a valid Grade Change Request, the Registrar will change the student's permanent record. Notification of the change will be emailed to the student and the student's academic advisor.

### Incompletes

A temporary symbol of I (Incomplete) for a course may be given only when students, due to circumstances beyond their control, have been unable to complete the course requirements within the official limits of the term. The extenuating circumstances must be documented to the faculty member's satisfaction. Students and faculty members are encouraged to use the optional Request for an Incomplete form to document expectations for successful completion of remaining course requirements. The Incomplete must be replaced with a grade by the end of the ninth week of the next semester in which the student is enrolled. If the student is not enrolled during the next

## **Grading Policies**

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two semesters, the Incomplete must be replaced with a permanent grade no later than one calendar year of the Incomplete being assigned. If the Incomplete is not replaced by these deadlines, it will automatically become an F. For S/U graded courses, the Incomplete will become a U.

The permanent grade which replaces the Incomplete will be used to determine the student's academic status and progress toward the degree. Any change in the student's academic status resulting from the assignment of the permanent grade becomes effective at the time of the change from the Incomplete to the permanent grade.

Western Illinois University's full Incomplete Grade Policy is available at [wiu.edu/policies/incomplete.php](http://wiu.edu/policies/incomplete.php).

## **Pass/Fail System**

The Pass/Fail grading option is open to all undergraduate students in good academic standing. Undergraduate courses open to the Pass/Fail option carry the following limitations:

1. Only courses that will be used as general electives may be taken Pass/Fail. (No General Education, major, or minor requirements can be fulfilled with a P/F course.)
2. Students wishing to register for a course on a Pass/Fail basis must indicate this option when registering.
3. A student may change from Pass/Fail to regular grading or from regular grading to Pass/Fail up until the end of the scheduled program change period.
4. Students withdrawing from a course taken on a Pass/Fail basis follow the usual withdrawal procedures.
5. Final letter grades of D- or above are recorded as pass (P) by the Registrar, and the student receives the credit hours for the course. However, this will not affect the student's grade point average. A "P" becomes the official designation for the course and may not be changed. Students wishing to transfer to another college or university are cautioned to determine the transfer school's policies regarding the transferability of P grades. An F in a course taken for Pass/Fail is recorded as such and affects the grade point average accordingly.
6. A student may earn a maximum of 12 semester hours of credit in Pass/Fail to be applied toward general electives within the graduation requirement.
7. Instructors will not be informed as to which students have elected Pass/Fail in their courses, but will evaluate all students by the regular University grading system.

## **Permanent Grades**

There are 14 permanent grades which indicate the quality of a student's work in a course. Eleven of these indicate successful completion of the course: A (highest), A-, B+, B, B-, C+, C, C-, D+, D, and D- (lowest). The remaining three permanent grades (F, FN, and FW) indicate failure to complete the course successfully: F indicates failure to meet the academic requirements of the course, FN indicates failure because the student never attended/accessed/participated, and FW indicates failure because the student stopped attending class or completing coursework.

Several other symbols may appear on student transcripts. The symbol P indicates that the student has passed a course taken under the Pass/Fail option. The symbols S (Satisfactory) and U (Unsatisfactory) are assigned in courses in which a student receives credit for hours earned but does not receive honor (grade) points. The symbol W is entered on the transcript when the student withdraws from a course or is withdrawn from a course as the result of action by the Council on Admission, Graduation, and Academic Standards (CAGAS). The symbol N (never attended) is

entered on the transcript when CAGAS grants a withdrawal from a course because the student never attended and did not complete any coursework.

The symbol X denotes that a course has been audited; the symbol UX denotes an unsatisfactory audit, given when the student has not attended a sufficient number of classes. An audited course may not be taken for credit at a later date.

### **Transcripts**

All new matriculating students pay a \$15 non-refundable transcript fee which entitles the student to unlimited hard-copy transcripts. Upon written request of the student, the Office of the Registrar issues a transcript of a student's record. Transcripts are not issued for persons under financial and administrative obligation to Western Illinois University. Western Illinois University follows the condition set forth in the General Education Provisions Act of 1974 (as amended in 1976).

### **Withdrawal from Courses or from the University**

The symbol W on a student transcript indicates official withdrawal from a course after the published last day to delete. A student may withdraw from a course or totally withdraw from the University during the first ten weeks of a semester. After the first ten weeks, a student may not drop individual courses or withdraw from the University. For academic courses of an irregular length, the withdrawal date shall be 0.6 of the length of the course. If the student has been found guilty of academic dishonesty and the penalty of F (Fail) is assigned, a W cannot be granted.

## **Course Credit**

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### **Numbering of Courses**

100 series.....	Freshmen
200 series.....	Sophomores
300 series.....	Juniors
400 series .....	Seniors
500–999 series.....	Graduate

400-level courses listed with a G suffix may be taken for graduate credit.

A student ordinarily should not enroll in a course more than one year out of his or her classification.

### **Prerequisites/Corequisites**

**Prerequisite:** A course that must be completed prior to enrollment in a particular course. Prerequisite may also refer to acceptable class standing, prior academic standing, permission of instructor, departmentally determined competencies, or other departmental requirements.

**Corequisite:** A course that must be taken simultaneously with another course.

**Note:** *It is the responsibility of students to comply with the prerequisites/corequisites as stated in the University catalog and course syllabus for each course they plan to take. Instructors may withdraw a student who does not meet course prerequisites/corequisites at any time from course registration through the 100% refund/credit period by sending the student written notification (email or letter) with a copy to the Registrar. The written notification must include the reason why the student is being withdrawn from the course and must allow the student five working days to respond to the instructor to determine if the prerequisites/corequisites have been or will be satisfied. After the five working days, unless otherwise notified by the instructor, the Registrar will drop the course from the student's schedule and send an updated schedule confirmation. Departments may also designate specific course sections as having enforced prerequisites. During registration, these courses will be identified on STARS, and students who do not meet the requirements will be deleted prior to the first day of class.*

### **Proficiency Examination Regulations**

Proficiency examinations may be taken by regularly enrolled students with the permission of both the department and the Council on Admission, Graduation, and Academic Standards (CAGAS) or its designated representatives. Proficiency examinations are open to all WIU students, including freshmen entering directly from high school. Forms may be secured at [wiu.edu/registrar/forms](http://wiu.edu/registrar/forms).

Proficiency examinations may not be taken at a level more elementary than completed coursework or if the student has received course credit after completion of the course.

In general, proficiency examinations cover elementary coursework and should therefore be taken early in the student's college career, preferably in the freshman or sophomore year.

Credit earned by proficiency examination is recorded on the student's permanent record with the designation of S. Hours earned are not included in calculating the grade point average, but they are counted toward University degree requirements.

Credit earned by proficiency examination does not satisfy residency requirements and does not satisfy minimum hours earned for graduation with academic distinction.

The maximum number of credit hours which may be earned by proficiency examination is 16 semester hours, no more than nine of which may be earned in one subject matter field.

Proficiency examinations, where applicable, may be taken in place of General Education Curriculum courses. If successfully completed, credit is recorded on the permanent transcript. Course credit only is given. No other requirements are then imposed in lieu of the courses so completed.

Proficiency credit does not apply toward the determination of full-time status.

### **Repeatable Courses**

Some courses are designated in the catalog description as repeatable for credit. These courses are not eligible for grade replacement.

### **Repeating a Course for Grade Replacement**

If a course not designated in the catalog as repeatable for credit is retaken, the following policy regarding repeating a course for grade replacement will apply:

1. The repeated course must be taken from Western Illinois University.
2. A course may not be repeated more than two times (taking it a maximum of three times). Subsequent attempts to repeat a course will not result in credit or honor point replacement.
3. Credit and applicable honor points will be awarded only once, the final time, for a repeated course. Only the grade for the most recent class will be used for the grade point average calculation. Grade symbols of "I", "N", "P", "S", "U", "UX", "W", or "X" will not replace the GPA impact of a previous grade.
4. A student retaking a course under the Grade Replacement Policy may not enroll in that course on a Pass/Fail basis.
5. All prior enrollments and grades earned will remain on the permanent academic record and will carry an indicator that the course has been repeated.
6. For purposes of calculating graduation with academic distinction (Cum Laude, Magna Cum Laude, Summa Cum Laude), honor points for all attempts of a course will be averaged.
7. This policy does not supersede the policies on Incompletes or Withdrawals.
8. Once the degree is conferred and a student has graduated, no coursework toward that degree may be subsequently repeated under the provisions of this policy.
9. The student may not replace a grade of "F" under this policy if the student was assigned the grade as a result of an Academic Integrity violation. If the course is retaken, both the failing grade and the grade earned by repeating the course will appear on the transcript and will be used to calculate the student's grade point average.

Repeating a course for grade replacement will not retroactively alter any previously earned academic status (i.e., academic warning, probation, suspension, or dismissal).

Tuition and applicable fees must be paid for all courses retaken. Students should be aware that many graduate and professional schools recalculate grade point averages taking into account every grade that appears on the transcript. Students who are receiving financial aid must consider the impact of repeating classes on their eligibility for financial aid for future semesters.

Courses taken prior to Fall 1978 are not eligible to be repeated for grade replacement.

## **Course Credit**

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### **Undergraduate Enrollment in Graduate-Level Courses**

Under certain circumstances, an undergraduate student may enroll in graduate-level courses for either graduate or undergraduate credit.

*Regulations governing graduate course offerings for undergraduate credit are as follows:*

1. The student must be of senior classification and in good academic standing.
2. The student must apply to take the course for undergraduate credit through the Office of the Registrar, Sherman Hall 110, prior to enrolling in the course. A form, requiring the signatures of the advisor and the Registrar, must be completed by the student.
3. The student must satisfy the prerequisites of the course.
4. No more than nine semester hours of graduate-level courses (numbered 500 and above) may be taken for undergraduate credit.
5. These courses may not be used for a future graduate program unless approved as a bridge course for integrated degree programs.

*Regulations governing graduate course offerings for graduate credit are as follows:*

1. The student must be of senior classification.
2. The student must fulfill prerequisites of the course.
3. The student must apply to take the course for graduate credit through the Office of the Registrar, Sherman Hall 110. A form, requiring the signatures of the designated authorities in the Offices of the Registrar and Graduate Studies, must be completed by the student. The application form must be filed in the Office of Graduate Studies prior to enrolling in the course.
4. The student must file a graduation application in the Office of the Registrar and an application for admission to the School of Graduate Studies prior to enrolling in graduate-level courses for graduate credit.
5. The student must have a grade point average of 3.00 or higher if a first-semester senior and must meet admission requirements to graduate school if a second-semester senior.
6. The student may enroll in a maximum of five graduate-level courses for graduate credit unless an exception is made by the designated authority in the Graduate Studies office.

*Regulations regarding bridge course offerings for integrated degree programs are as follows:*

1. The student must be of senior classification and have filed an application for graduation in the Office of the Registrar.
2. The student must have fulfilled all prerequisites for the course.
3. The student must have applied to the School of Graduate Studies and have been accepted into an integrated degree program.
4. A form must be completed by the student. This form requires signatures of the undergraduate academic advisor, the graduate department chairperson, and designated authorities in the Offices of the Registrar and Graduate Studies.
5. The completed form must be filed in the Office of Graduate Studies prior to enrolling in the course for bridge credit.

### **Variable Credit Courses**

Courses with a variable credit designation [e.g., “ENG 409, Independent Study (1-3)’] may be taken with a different number of credit hours. Students should consult the course instructor or the department offering the course to determine the number of semester hours for which they may register.

# **Student Academic Progress**

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## **Academic Load**

Students are required to adhere to the following guidelines with respect to academic load. The load figures are based on a regular 16-week semester. Summer session load should be prorated according to the same guidelines.

### 1. Academic load for students in good standing:

- a. Minimum load for full-time status.....12 semester hours
- b. Normal or average load .....15–16 semester hours
- c. Maximum load (without approvals) .....18 semester hours
- d. Maximum load for students with at least a 3.00 cumulative GPA (Students with a 2.50–2.99 cumulative GPA need approval of the college dean or designee) .....19–21 semester hours

### 2. Academic load for students not in good standing (including academic warning or probation):

- a. Minimum load for full-time status.....12 semester hours
- b. Maximum load (without approval of the Council on Admission, Graduation, and Academic Standards).....16 semester hours
- c. Maximum load—Summer session.....6 semester hours

## **Assessment**

The University-wide assessment program measures student progress toward educational goals, determines academic progress, improves teaching and learning, and evaluates institutional effectiveness. It assesses students at entrance, mid-career, and graduation to provide information on their academic achievement. Alumni are also surveyed to ascertain their perceptions of the effectiveness of their curriculum in preparing them for post-graduation study and/or work experience.

The plan of assessment of student learning includes the three academic components forming the undergraduate degree requirement: the General Education Curriculum distribution requirements, the development of baccalaureate-level skills, and the major. Program and curricular improvement is achieved through assessment of General Education and program majors. Individual student learning and progress is ascertained through assessment of baccalaureate skills and assessment in the major.

## **Class Attendance**

Students are expected to attend all classes in which they are enrolled. Instructors should exercise good judgment in considering excuses for absences, but it is the responsibility of students to confer with the instructor and to agree to any reasonable arrangements to compensate for their non-attendance.

## **Classification of Students**

Students are classified by the number of semester hours earned as follows:

Freshman.....	Fewer than 30
Sophomore.....	30–59
Junior .....	60–89
Senior.....	90 to completion of degree requirements

## **Early Warning Notification**

Western Illinois University provides an early warning notification procedure to alert undergraduate students to poor academic performance in time for them to take corrective measures. Instructors are encouraged to identify students who are

## **Student Academic Progress**

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performing below C level work. These deficiencies are reported to the students so they can seek special help from instructors, academic advisors, or the University Counseling Center.

### **Eligibility to Represent the University**

1. Any student who is permitted to register for classes at Western Illinois University is eligible to participate in activities officially sanctioned by the University, subject to compliance with all eligibility rules established by the duly constituted authorities responsible for specific activities.
2. Students who have been academically dismissed from the University and who appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS) for reentry may be declared ineligible to participate in some or all University-sanctioned activities until they achieve good academic standing. In such cases, the temporary ineligibility will become a part of the CAGAS stipulation for reentry. Any student who is unwilling to accept the stipulation will not be readmitted. Any student who violates the stipulation after reentry will be subject to immediate academic suspension.

*Warning:* Any student who is not in good academic standing should carefully weigh the amount of time and energy required for a given activity and should consider whether continued participation in such an activity will jeopardize his or her academic performance at the University.

### **First Year Experience (FYE)**

The First-Year Experience (FYE) program is intended to create a positive transition to college and to encourage students who become more active and enthusiastic learners, both in and outside of the classroom. The FYE program incorporates the primary aspects of traditional students' first college year: academic, co-curricular activities, and residence hall life.

Upon initial or re-entry full-time enrollment at Western Illinois University, students with 23 or fewer semester hours completed must enroll in and pass one FYE course. FYE courses are limited enrollment classes for first-year students only and are designated with the suffix "Y" in class schedules for each academic term.

### **Full-Time Student**

A full-time student is one who is enrolled for a minimum of 12 semester hours of credit during any regular semester (Fall or Spring) or for six semester hours of credit during the Summer term.

### **Good Academic Standing**

New freshmen and transfer students will be considered in good academic standing if regular admission standards are met. Students will be considered in good academic standing if they maintain a minimum cumulative grade point average of 2.00.

#### *Scholarship Requirements*

All students are expected to meet or exceed the grade point average of 2.00 to be in good academic standing.

Once transfer students have been admitted, only the semester hours earned at Western Illinois University are then used in calculating the grade point average. An exception to this policy is graduation with Academic Distinction. Please see page 47 for Academic Distinction requirements.

## **Student Academic Progress**

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### **Integrated Baccalaureate and Master's Degree Programs**

An integrated baccalaureate and master's degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Typically, a baccalaureate degree requires four years to complete and a master's degree requires an additional two years. However, the integrated degree programs are intended to be accomplished over a period of five years. Some advanced coursework (referred to as bridge courses, which carry a "B" designator following the course number) completed while the student is at the baccalaureate level will also be used to satisfy requirements for the master's degree. In addition to allowing students to earn both degrees a year early, the integrated program may include additional opportunities to participate in a variety of experiential educational activities, such as a master's project or thesis.

*Admission to Integrated Degree Programs:* Undergraduate students may apply for admission to an integrated program after completing 60 semester hours of undergraduate coursework, of which a minimum of 30 semester hours must be completed at WIU. Integrated degree applicants must meet the cumulative grade point average and the grade point average for their major as specified by their integrated degree program. Admission must be granted by the School of Graduate Studies before a student will be allowed to enroll in graduate-level courses. Students may begin taking bridge courses after the completion of 90 semester hours, or when beginning their final two semesters (Fall and Spring) as demonstrated by a written degree completion plan. Students must have a minimum WIU cumulative grade point average of 3.25 and a minimum of 3.25 grade point average in the major **or** a minimum WIU cumulative grade point average of 3.0 and a minimum 3.3 grade point average in the last 30 credit hours taken at WIU to be considered for admission.

*Academic Requirements:* The work required for the integrated baccalaureate and master's degree program must be completed within six consecutive calendar years from the time of first enrollment in courses which are part of the integrated program. Upon completion of all requirements of the baccalaureate degree, such degree will be awarded. Subsequently, after completing the requirements of the master's degree (including the bridge courses), such degree will be awarded. All grades of C or lower earned, including those taken for bridge ("B") credit, count toward the six-hour C rule. Students in this program are not eligible for assistantship positions until the baccalaureate degree has been conferred. Students in an integrated program who do not complete the required bridge ("B") courses prior to completion of their baccalaureate degree will be removed from the integrated program and must meet regular admission standards.

### **Penalties for Grade Point Average Deficiencies**

All students who are on academic warning or probation must confer with their academic advisor during the term of warning or probation to facilitate progress toward achieving good standing.

A student who is in good academic standing who earns less than a 1.00 semester GPA resulting in less than a 2.00 cumulative GPA is automatically placed on probation.

#### *Academic Warning*

If, at the end of a grading period (semester or Summer term), a student's cumulative grade point average in courses taken at the University falls below a 2.00, but not so low as to warrant academic probation, that student will be placed on academic warning.

Students who are placed on academic warning status may enroll for no more than 16 hours in a regular semester and no more than 6 hours in a Summer term. Students may not enroll exclusively in S/U graded courses while on academic warning status.

# **Student Academic Progress**

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Academic warning students will be suspended if their semester grade point average is below 1.00.

## *Academic Probation*

If, at the end of a grading period (semester or Summer term) on academic warning, a student's cumulative grade point average in courses taken at the University falls below a 2.00, but not so low as to warrant academic suspension, that student will be placed on academic probation.

Students who are placed on a probationary status may enroll for no more than 16 hours in a regular semester and no more than 6 hours in a Summer term. Students may not enroll exclusively in S/U graded courses while on probationary status.

Students on academic probation must achieve at least the following grade point average each grading period until good academic standing is reached or they will be academically suspended:

- a. Freshmen and sophomores MUST earn a minimum term GPA of 2.10.
- b. Juniors and seniors MUST earn a minimum term GPA of 2.25.

## *Academic Suspension*

A student will be academically suspended if at the end of any grading period the student on academic probation fails to make satisfactory progress toward good academic standing as defined under Academic Probation above. In addition, any student who has a GPA of 0.00 (as a result of F, FN, FW, U, N, and/or XU) at the end of their first full-time semester of coursework will be academically suspended (statement added August 30, 2023).

## *Reinstatement Following Academic Suspension*

Students suspended for poor scholarship must remain out of the University for at least one regular semester. After the inactive semester, students suspended for the first time will automatically be eligible for reinstatement and may re-enter the University at the beginning of a Fall or Spring semester or a Summer term, provided they indicate their intentions to do so prior to established deadlines by filing a reentry form. If they have attended another school, an official transcript from that school must be on file in the Office of the Registrar at the time of registration.

Reinstated students re-enter the University with the same cumulative GPA they had upon suspension and are placed on academic probation. This probationary status will continue as long as the student satisfies the conditions specified in the section on Academic Probation. Students failing to make satisfactory progress are dismissed and may not be reinstated a second time except by approval of the Council on Admission, Graduation, and Academic Standards (CAGAS).

## **New Start Policy**

This policy is designed for former WIU students with a severe cumulative honor point deficiency who have not attended WIU for a minimum of three years.

1. Former WIU students who have not attended WIU for at least three years may petition the Council on Admission, Graduation, and Academic Standards (CAGAS) to have prior grades excluded from subsequent grade point average calculations. Such appeals must be received and approved prior to the student's reentry to WIU.
2. All hours earned will count toward total hours for graduation.
3. All students must have at least a C average in all WIU courses counted toward the major and the minor for graduation.

The New Start provision may be exercised only once, and all grades that a student has received at WIU will be used to determine class rank and honors. Any student under this policy must complete a minimum of 30 semester hours after returning to

## **Student Academic Progress**

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WIU to qualify for graduation. All courses taken and grades earned will appear on the transcript.

### **Satisfactory Academic Progress Policy for Financial Aid**

Students must meet all of the following satisfactory academic progress criteria for federal and state financial aid eligibility:

1. **Minimum Cumulative Pace (Credit Hour Completion Rate):** Students must earn credit for at least 67% of the total cumulative hours attempted, including enrolled hours during which Title IV aid was not received. This includes transfer hours, incomplete grades, and withdrawal hours for all semesters.
2. **Minimum Cumulative Grade Point Average (GPA):** Students must have a cumulative 2.0 GPA at WIU (grades for transfer hours are not included).
3. **Maximum Time Frame:** Students must graduate before exceeding 150% of hours required for degree. This includes all hours attempted: transfer hours, incomplete grades, and withdrawn hours for all terms, and includes terms in which Title IV aid was not received.

### **Student Responsibility**

Students are responsible for knowing degree requirements and enrolling in courses that will enable them to complete their degree programs. It is also their responsibility to know the University regulations for the standard of work required to continue in good academic standing. Degree requirements are presented in this publication. Additional details about requirements, procedures, and policies are available from the academic departments and advisors.

### **Writing Instruction in the Disciplines (WID)**

After students have completed their composition sequence in the Department of English, they must complete the next academic portion of WIU's writing program, a Writing Instruction in the Disciplines (WID) requirement for their major. WID courses are designed to help students learn both the forms and values for the writing needed to be effective professionals in their fields.

All WID courses provide a variety of opportunities for writing development accompanied by instructional support, build in early opportunities for revision, require disciplinary writing throughout the course for a significant part of the course grade, and maintain a student-faculty ratio no greater than 25:1. For in-depth WID criteria and links to resources, please see [wiu.edu/WID](http://wiu.edu/WID). Individual departmental WID requirements are specified in the curriculum for each academic program.

### **Council on Admission, Graduation, and Academic Standards (CAGAS)**

The Council on Admission, Graduation, and Academic Standards (CAGAS) is responsible for recommending and evaluating policies concerning admission, retention, graduation, and academic standards and for establishing some of the procedures to carry out such policies. It also serves as an appellate body regarding such policies and procedures. CAGAS (ten faculty and two student members) meets weekly during Fall and Spring semesters, as well as several times during the Summer. More information is available at [wiu.edu/registrar/cagas](http://wiu.edu/registrar/cagas).

### **Academic Dishonesty Appeal**

Western Illinois University is dedicated to the discovery and communication of knowledge. The University can best function and accomplish its objectives in an atmosphere where high ethical standards prevail. For this reason, and to ensure that the academic work of all students will be fairly evaluated, the University strongly condemns academic dishonesty. WIU's policy on academic integrity is available at [wiu.edu/policies/acintegrity.php](http://wiu.edu/policies/acintegrity.php).

### **Grade Appeal**

It is the responsibility of any student wishing to pursue a grade appeal to meet with the faculty member who assigned the grade by the end of the second week of the regular semester (Fall or Spring) following the term in which the student received the grade in question. In the event the student does not receive a response from the faculty member by the beginning of the third week of the regular semester (Fall or Spring), the student should contact the Department Chair in order to set up a meeting with the faculty member (or to meet with the Department Chair if the faculty member is on medical leave, on sabbatical leave, retired, or no longer employed by WIU and is unable to participate in the meeting). WIU's full Policy on Grade Appeals is available at [wiu.edu/policies/gradeapp.php](http://wiu.edu/policies/gradeapp.php).

### **Oral English Proficiency Appeal**

Students who have complaints concerning the oral English proficiency of faculty providing classroom instruction should contact the Department Chairperson or the immediate supervisor of the appropriate faculty member. The complaint should be as specific as possible and should include a written summary.

All complaints shall be investigated by the Department Chairperson including, but not limited to, classroom visitation. If the Department Chairperson finds the faculty member's oral English proficiency is satisfactory, the Department Chairperson will so notify the student.

Students may appeal the Department Chairperson's satisfactory evaluation of oral English proficiency to the appropriate Dean who shall investigate the complaint. If the Dean finds the faculty member's oral English proficiency is satisfactory, the Dean will so notify the student. In the event of such a finding, the decision of the Dean shall be final.

If the Department Chairperson or Dean finds the faculty member's oral English proficiency is unsatisfactory, a recommendation shall be submitted to the Academic Vice President for consideration. The Academic Vice President will notify the student and the faculty member of this decision.

At all levels of this procedure, the student's identity will remain confidential.

# **Academic Appeal**

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## **Right of Academic Appeal**

Students have the right to appeal the implementation of any University regulation which relates to admission, academic standards, or graduation by submitting a formal written appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS). Such appeals must be based upon the existence of unusual or extenuating circumstances which have prevented the student from achieving the normal University standard, and evidence of these unusual or extenuating circumstances must be presented with the appeal. Such appeals must be submitted to the CAGAS office, Sherman Hall 110, or by email to CAGAS@wiu.edu.

## **Withdrawal from an Individual Course Appeal**

Students may appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS) for a late withdrawal from an individual course, provided the student can document extenuating circumstances. All appeals should include sufficient documentation of any extenuating circumstances which explain why a student was unable to follow the proper procedure for withdrawing from the course prior to the end of the tenth week of the term. The student must also have the instructor of the course send a statement verifying grades on quizzes, tests, assignments, and last date of attendance. Appeals and support documentation must be submitted to the CAGAS office, Sherman Hall 110, or by email to CAGAS@wiu.edu.

## **Withdrawal from the University Appeal**

Students may appeal for a late withdrawal from the University and receive a W for each course, provided the student can document extenuating circumstances. All requests should include sufficient documentation of any extenuating circumstances which explain why a student was unable to follow the proper procedure for withdrawing from the University prior to the end of the tenth week of the term. The student's request must be submitted in writing with appropriate, supporting documentation to the Student Development and Success Center, Memorial Hall 125, or by email to sdsc@wiu.edu.

If the Student Development and Success Center denies the request, the student may appeal the decision to the Council on Admission, Graduation, and Academic Standards (CAGAS). Students are advised to attend classes, if possible, until a final decision is reached.

After the close of the semester, a student may appeal directly to CAGAS for late withdrawal.

## **Foreign Language/Global Issues Requirement**

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Candidates for a baccalaureate degree at Western Illinois University are required to complete the Foreign Language/Global Issues requirement established for their major program of study. Students will complete at least one of the options listed below, as determined by their academic department. Students should refer to the specific Foreign Language/Global Issues requirement for their degree program in the Academic Departments, Programs, and Courses section of this catalog (p. 104).

1. Successfully complete one of the following options:
  - Complete three years of high school language study in a single language with an average grade of C or better.
  - For students whose native language is English, pass an appropriate test offered by the WIU Department of Foreign Languages and Literatures.
  - Complete, with a grade of C or better, a University-level course which meets the goals and objectives of the foreign language requirement.
  - For international students whose native language is not English and who have been admitted to WIU, satisfy WIU's admission requirements for English language proficiency.
2. Earn credit for a General Education course that is designated as "Global Issues."
3. Earn credit for a 300-level or higher course in the major, or in another department, that is designated as "Global Issues."
4. Successfully complete a WIU Study Abroad program of sufficient length and breadth.

### **General Education Courses Designated as Global Issues**

ANTH 110—Introduction to Cultural Anthropology

ECON 351—Global Economic Poverty Issues

ENG 358—Studies in Non-Western Literature

FL 101—Introductory Seminar in World Languages and Cultures

GEOG 100—Introduction to Human Geography

GEOG 110—World Regional Geography

GER/HIST 337—The Holocaust

HIST 115—World History to 1500

HIST 116—World History since 1500

HIST 211—Technology and Science in World History

HIST 241—History of Latin America

HIST 245—History of Asia

HIST 311—History of Flight Culture

HIST/WS 318—Women and Gender in European History

HIST/GER 337—The Holocaust

INAG 310—International Agriculture in Developing Countries

IS 325—Global Social Networks

MUS 394—Music in World Cultures

NUTR 300—Food and Culture

PHYS 150—Energy and the Environment

POLS 228—Fundamentals of International Relations

POLS 267—Introduction to Comparative Government and Politics

POLS 329—Latin American Politics

REL 110—Introduction to Eastern Religions

REL 111—Introduction to Western Religions

REL 365—Islam

SOC/WS 285—Women: A Global Perspective

WS/SOC 285—Women: A Global Perspective

WS/HIST 318—Women and Gender in European History

# **Foreign Language/Global Issues Requirement**

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## **Discipline-Specific Courses Designated as Global Issues**

- AAS/GEOG 466—Geography of Africa  
ACCT 343—Intermediate Accounting III  
ANTH 305—Applied Anthropological Methods  
ANTH/REL 324—Religion, Magic, and Shamanism  
ANTH/PSY 353—Cultural Psychology  
ANTH 415—Environmental Anthropology  
ANTH/BOT 463—Ethnobotany  
ARTH 393—Gender and Embodiment in the Visual Arts  
ARTH 496—History of Contemporary Art  
BC&J 351—Comparative Broadcasting Systems  
BC&J 353—International Communication and the Foreign Press  
BC&J 456—International Public Relations  
BOT/ANTH 463—Ethnobotany  
CHEM 342—Fundamentals of Environmental Chemistry  
COMM 381—Intercultural Communication  
CS 320—Ethical, Social and Legal Issues in the Digital World  
CSTM 440—Green and Sustainable Construction  
ECON 470—International Trade  
ECON 479—Microfinance in Action  
EDS 428—English Language Learners and Bilingualism: Theory, Policy, and Practice  
ENG 350—Postcolonial Literature  
ENG 357—Nation and Literature  
ENG 392—National Cinemas  
ENG/REL 492—Religion, Literature, and Film  
FIN 497—International Financial Management  
GEOG/AAS 466—World Regions  
HIST 304—United States Military History  
HIST 307—U.S. Foreign Relations Since 1898  
HIST 312—Technology, Culture, and Society  
HIST 346—Japan  
HIST 347—Modern East Asia  
HIST 380—World War I  
HIST 421—Seminar in Global Environmental History  
HRM 444—International Human Resource Management  
INAG 361—International Agriculture Travel Study in the Western Hemisphere  
INAG 362—International Agriculture Travel Study in the Eastern Hemisphere  
MGT 485—International Management  
MKTG 317—International Business  
MKTG 417—International Marketing  
MUS 390—European Art Music I  
MUS 391—European Art Music II  
NURS 316—Transcultural Nursing  
POLS 322—European Politics  
POLS 331—United States Foreign Policy  
POLS 334—Politics of the Global Economy  
POLS 338—The United Nations and International Organization  
POLS 353—Terrorism and Political Conflict  
POLS 400—Comparative Public Policy  
POLS 440—National Security and Arms Control  
POLS 446—Conflict Resolution and International Peacekeeping  
POLS 465—Genocide in Our Time  
PSY/ANTH 353—Cultural Psychology  
REL/ANTH 324—Religion, Magic, and Shamanism  
REL 350—Hinduism

## **Foreign Language/Global Issues Requirement**

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REL 355—Buddhism

REL 456—Religion and War

REL/ENG 492—Religion, Literature, and Film

RPTA 462—International Tourism

SCM 411—Global Supply Chain Management

SOC 440—Global Sociology

SSED 354—Methods for Teaching Social Studies PreK–2nd Grade

SSED 495—Teaching with a Global Perspective

SW 380—Social Justice and Diversity

THEA 390—World Theatre History I

# **University General Education Curriculum**

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## **Philosophy and Goals of General Education**

General Education is the component of the undergraduate curriculum devoted to those areas of knowledge, methods of inquiry, and ideas that the University and scholarly community believe are common to well-educated persons. General Education provides a foundation for future learning.

Generally well-educated students will demonstrate:

1. broad knowledge and understanding of the natural sciences, social sciences, and humanities;
2. an ability to analyze, think critically, and form reasoned conclusions;
3. competence in communicating their views and ideas clearly and cogently;
4. an understanding of the methods by which people pursue knowledge;
5. an understanding of the differences and relative power among peoples, both in the United States and across the globe; and
6. knowledge of the principle of wellness for living a healthy and fit life, both physically and mentally.

### **I. Communication Skills**

Communication is the art of expressing and exchanging meaning among people. At the University, meaning or knowledge is developed as teachers and students share insights, exchange ideas, and debate positions. Reading, speaking, research, and writing all play important roles in this construction and extension of knowledge.

#### College Writing

The writing course sequence enables students to use language actively in diverse ways and settings to gain and share knowledge about their experiences and concepts. They also reflect on that language use by examining their processes of writing and reading in order to understand both the texts they create and the texts they encounter.

Courses in the writing sequence will teach students to:

- A. make writing choices within the rhetorical contexts of academic writing, with attention to the particular audiences, subjects, and purposes of writing;
- B. understand and incorporate into their own writing each stage of the writing process: exploration, invention, drafting, revising, editing;
- C. improve their ability to analyze on multiple levels the texts that they read, and to recognize and synthesize connections among texts;
- D. discover a variety of argumentative strategies in academic writing and incorporate those strategies in the development of several essays;
- E. explore in depth at least one significant subject of academic interest by extensive reading, peer discussion, and the use and citation of research materials; and
- F. demonstrate control over the conventions of edited American English.

#### Public Speaking

The oral communication course develops students' awareness of the communication process; focuses on the skills of invention, organization, and expression; promotes understanding of, and adaptation to, a variety of communication contexts; and emphasizes critical skills in listening, reading, thinking, and speaking.

# **University General Education Curriculum**

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The communication course will teach students to:

- A. create effective speeches through careful selection of topics and analysis of audience needs, situational factors, and speaker purposes;
- B. gather, evaluate, organize, and outline supportive materials into persuasive and informative messages that reflect an understanding of the appropriate use of evidence, reasoning, and language;
- C. deliver effective speeches that demonstrate proficiency in articulation, nonverbal behaviors, and visual aids that reinforce the message and promote clarity and interest; and
- D. become more discriminating consumers of messages through critical listening.

## **II. Natural Sciences and Mathematics**

### Part A—Mathematics Competency

Competency in baccalaureate-level Mathematics enables students to successfully engage in the mathematical thinking encountered in undergraduate studies and in daily living. Central to this competency is the ability to solve problems, to use mathematical modeling, and to evaluate mathematical calculations and reasoning. Students are expected to express and interpret mathematical information in written and oral forms and to use technology (calculators, computers, etc.) appropriately.

Mathematics competency courses will teach students to:

- A. use basic Mathematics in problem solving and modeling strategies as needed for college coursework and for living in today's and tomorrow's world;
- B. clearly express mathematical ideas and calculations in writing; and
- C. make valid inferences from mathematical formulas, graphs, tables, and data.

### Part B—General Education

Studying the Natural Sciences and Mathematics enables students to understand the physical and natural world and the scientific and mathematical concepts, theories, and principles that explain the world. That is, students broaden and deepen their understanding of the diversity and interrelatedness of human knowledge in the sciences and Mathematics and are better able to explain the similarities and differences that exist among the sciences. By studying the methods of inquiry practiced by scientists in the search for answers to yesterday's and today's issues and problems, they experience both the power and limitations of this knowledge while growing in their appreciation of the scientific perspective and its impact on their lives and society.

General Education courses in the Natural Sciences and Mathematics will allow students to:

- A. demonstrate understanding of basic terms, concepts, principles, processes, and systems in the Natural Sciences and Mathematics;
- B. draw conclusions and/or identify relationships by synthesizing from relevant information;
- C. demonstrate the ability to apply appropriate investigative methodologies in laboratory courses; and
- D. demonstrate the ability to use and understand scientific and mathematical terminology in writing assignments and/or classroom discussion.

# **University General Education Curriculum**

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## **III. Social Sciences**

In their Social Science coursework, students explore aspects of their own cultures and beliefs and the cultures and beliefs of others within a context of empirical research findings and theoretical speculation.

They examine anthropological, economic, geographical, political, psychological, and/or sociological aspects of individuals and groups in various cultures and the social problems that these individuals and groups attempt to overcome.

They apply a variety of methodologies (e.g., laboratory experiments, case studies, naturalistic observations) to studies of individual and group behavior.

General Education courses in the Social Sciences will allow students to:

- A. gain insight into the diversity of human motivations and institutional forces that influence social behavior;
- B. recognize multiple methods and modes of inquiry used in the Social Sciences and their appropriate application;
- C. develop analytical and critical thinking skills as applied to the study of the Social Sciences; and
- D. communicate ideas and explain concepts and analyses using the language of the Social Sciences.

## **IV. Humanities and Fine Arts**

In studying the Humanities and Fine Arts, students learn to explore issues fundamental to human identity, as these are expressed in the artistic, cultural, and intellectual traditions of the world's civilizations. Courses in the Humanities and Fine Arts reveal ways to give meaning to human experience through the study of fine arts, philosophical thought, literature and film, interpretations of history, rituals and belief systems of religion, communication, and foreign languages. After studying the Humanities and Fine Arts, students will have the tools and knowledge to respond more knowledgeably and actively to those humanistic and artistic works and traditions created by people of various societies and times.

General Education courses in the Humanities and Fine Arts will allow students to:

- A. learn to perceive accurately, describe carefully, and analyze systematically various humanistic expressions and works such as literary, philosophical, and historical texts; artistic forms and musical works; and ritual, drama, and other forms of symbolic action and speech;
- B. learn the significant concepts and issues that continue to structure and guide study in the Humanities disciplines;
- C. learn to identify, analyze, and interpret the historical, social, or cultural contexts for these humanistic works and expressions;
- D. examine and come to understand human values as they are represented, reasoned about, and justified through various humanistic works and traditions; and
- E. develop reading, critical reasoning, and communication skills important for understanding and effectively communicating ideas and perspectives regarding humanistic works and traditions.

## **V. Multicultural Studies**

Through Multicultural and Cross-Cultural Study, students will develop an understanding of diversity in the United States and of the larger world as a

# **University General Education Curriculum**

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complex network of interdependent societies, cultures, histories, and world views. The courses offered challenge narrow conceptions of Self and Other by fostering in students an appreciation for cultural diversity, as well as the critical ability to discern the impact of large-scale cultural and historical forces on their lives. Students may choose among courses focusing on contemporary national and world politics (which could include such issues as conflict and cooperation, economy, the environment, and so on); the comparative study of cultures, societies, politics, and/or belief systems within and beyond the United States; and the dilemmas for the global majority—the three-quarters of the world's population who live where they may have to strive for national identity as well as economic and political development.

All courses in this area, whether focused on the United States or the world, encourage a better understanding of the dimensions of experience and belief that distinguish cultures and societies from one another as well as the commonalities that knit together all people. Understanding various dimensions of human experience helps break down barriers among groups and stimulates dialogue about solutions to many complex social problems. Through Multicultural and Cross-Cultural Studies, students will recognize the historical, political, and cultural forces that foster inequality and injustice, while becoming aware of strategies of change that improve the quality of life for all people. The courses, therefore, stress the necessity of enhancing international and multicultural understanding and communication.

General Education courses in Multicultural Studies will allow students to:

- A. develop an informed perspective on (1) traditionally underrepresented groups in the U.S., and/or (2) world societies, which would include knowledge of one or more of the following: culture, history, and social institutions;
- B. learn the significant conditions and contributions of (1) traditionally underrepresented groups in the U.S., and/or (2) different world societies;
- C. become aware of significant ways that the fact of underrepresented groups and/or multiple world societies affects decisions about human rights, social justice, and equality; and
- D. understand multiple approaches to issues of social justice.

## **VI. Human Well-Being**

In studying Human Well-Being, students will come to understand and develop healthy lifestyles and practices. The educational experiences in this area will enable students to examine issues and form reasoned conclusions about factors affecting personal wellness.

General Education courses in Human Well-Being will allow students to:

- A. identify information and practices that will promote personal wellness;
- B. acquire practical knowledge that can be applied toward living a healthy and fit life;
- C. explain the factors that affect the quality of a healthy leisure lifestyle; and
- D. relate the effects of personal choices to the principle of wellness for living a healthy and fit life, both physically and mentally.

## **University General Education Requirements**

Candidates for a baccalaureate degree at Western Illinois University are required to complete the General Education Curriculum approved by the University faculty.

# **University General Education Curriculum**

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General Education courses should ordinarily be taken during the freshman and sophomore years, and the entire 43 semester hours should be completed no later than the last semester of the junior year. Individual colleges and departments may require additional courses, and students should refer to the section of the catalog for the college in which they are enrolled for requirements beyond the University General Education Curriculum.

The following restrictions apply:

- (1) No courses numbered 275, 298, 450, 475, and 498 are acceptable for credit in the General Education Curriculum;
- (2) Students may not use any one course to satisfy two General Education distribution requirements;
- (3) Students may not count more than two courses from the discipline in which they major toward satisfaction of the General Education requirements;
- (4) No courses under the Pass/Fail option may apply to the General Education requirements.

## **General Education Categories:**

- |  |               |
|--|---------------|
| <b>I. Communication Skills .....</b>   | <b>9 s.h.</b> |
| A. ENG 180—College Writing I (3)   |               |
| B. ENG 280—College Writing II (3)  |               |
| C. COMM 241—Introduction to Public Speaking (3) OR<br>COMM 242—Fundamentals of Public Speaking (3) |               |

### College Writing

All students enrolled in the University must demonstrate their ability to write and speak clearly, accurately, and effectively. Entering students normally self-assess their writing skills upon initial registration and select a first-semester writing course (either ENG 100 or ENG 180) with guidance from their advisor. Further, all General Education courses contribute to students' writing competency by including written assignments in the course requirements.

ENG 100 is a credit bearing course, and will support the writing development of new students who feel less experienced or confident in their writing skills. Students who pass ENG 100 with a grade of C or better will find themselves better prepared to write successfully in ENG 180 and other, more advanced writing intensive classes. Students who are unsuccessful in ENG 100 are encouraged to retake the course.

ENG 180 has no prerequisites. Students must take ENG 180 either semester of their freshman year. Students who fail to receive a grade of C or better must repeat the course before enrolling in ENG 280, the second course in the first-year writing sequence. ENG 180 fulfills the first half of the General Education/Communication Skills requirement.

ENG 280 is to be taken before 60 semester hours are earned. ENG 180 is a prerequisite. Students who fail to receive a grade of C or better in 280 must repeat the course. ENG 280 fulfills the second half of the General Education/Communication Skills requirement.

Students may also receive credit for all or part of the General Education/Communication Skills writing requirement by: (1) entering with Advanced Placement credit for the English Language and Composition Exam with a score of 4 or 5, (2) passing the appropriate proficiency examination, (3) completing the

# **University General Education Curriculum**

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stated requirements of GH 101, or (4) completing a comparable course or courses at or sponsored by another university with a grade of C or better.

## Public Speaking

Students may also receive credit for the oral communication requirement by (1) completing the accelerated section 50 of COMM 241 with a grade of B or above, (2) completing the Honors section 25 of COMM 241, or (3) satisfactorily completing a comparable course at another college/university.

## **II. Natural Sciences and Mathematics ..... 10 s.h.**

Students must fulfill the competency requirement of Part A and the General Education requirement of Part B of the Natural Sciences and Mathematics category.

### Part A—Competency

All students enrolled in the University must demonstrate their ability to use general baccalaureate-level skills in Mathematics by one of the following means:

- (1) Receive University credit for MATH 100 (Core Competency in Mathematics) or MATH 110 (Introductory College Algebra);
- (2) Receive a satisfactory score on an assessment examination instrument designated by the Department of Mathematics and Philosophy; or
- (3) Receive University credit for a Mathematics course which lists MATH 100 or MATH 110 as a prerequisite.

Entering students' Mathematics skills are assessed upon initial registration.

All freshmen who place into MATH 100 or MATH 110 are required to pass (with a grade of C or better) MATH 100 or MATH 110 before the start of the second semester of their second year. Transfer students who are placed into MATH 100 or MATH 110 are required to pass (with a grade of C or better) either course during their first year at WIU.

### Part B—General Education

Students must complete 10 s.h. from the courses listed below. At least one laboratory course must be included. Students may take no more than two courses from any one grouping below.

#### Biological Sciences

- BIOL 100—Biological Concepts (4)
- BIOL 101—Biological World (4)
- BIOL/GEOL 181—Integrated Science I (4)
- BIOL 204—Human Biology (4)
- BOT 200—Introduction to Plant Biology (4)
- MICR 200—Introductory Microbiology (4)
- ZOOL 200—Introduction to Animal Biology (4)

#### Chemistry

- CHEM 101—Principles of Chemistry I (4)
- CHEM 102—Principles of Chemistry II (4)
- CHEM 114—Chemistry of Health (3)
- CHEM 150—Contemporary Chemistry (4)
- CHEM 201—General Chemistry I (4)
- CHEM 202—General Chemistry II (4)

#### Computer Sciences

- CS 114—Introduction to Computer Science (3)
- CS 214—Principles of Computer Science (3)

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## Earth, Atmospheric, and Geographic Information Sciences

- GEOG 121—Planet Earth: Surface Processes and Interactions (4)  
GEOG/PHYS 182—Integrated Science II (4)  
GEOL 110—Our Changing Earth (4)  
GEOL 112—History of the Earth (4)  
GEOL 113—Energy and Earth Resources (3)  
GEOL 115—Oceanography (3)  
GEOL/BIOL 181—Integrated Science I (4)  
GIS 108—Digital Earth (4)  
METR 120—Introduction to Weather and Climate (4)

## General Honors

- G H 103—Freshman Science and Mathematics Tutorial (2-4)  
G H 104—Freshman Science and Mathematics Tutorial with Lab (3-4)  
G H 203—Sophomore Science and Mathematics Tutorial (2-4)  
G H 204—Sophomore Science and Mathematics Tutorial with Lab (3-4)  
G H 303—Advanced Science and Mathematics Seminar (2-4)

## Mathematics

- MATH 101—Concepts of Mathematics (3)  
MATH 102—Creative Perspectives in Mathematics (3)  
MATH 123—Modeling with Mathematical Functions (3)  
MATH 133—Calculus with Analytic Geometry I (4)  
MATH 134—Calculus with Analytic Geometry II (4)  
MATH 137—Applied Calculus I (3)  
MATH 138—Applied Calculus II (3)  
MATH 139—Applied Linear Algebra and Finite Mathematics (3)  
MATH 206—Mathematics for Elementary Teaching II (3)  
STAT 171—General Elementary Statistics (3)

## Physics

- PHYS 100—Physics for Society (4)  
PHYS 101—Introduction to Astronomy (3)  
PHYS 114—Applied Physics (4)  
PHYS 115—Applied Physics (4)  
PHYS 150—Energy and the Environment (4)  
PHYS/GEOG 182—Integrated Science II (4)  
PHYS 211—University Physics I (4)

## **III. Social Sciences..... 9 s.h.**

Students must take at least three courses in the Social Sciences. Students may take no more than two courses from any one grouping below.

### Anthropology

- \* ANTH 110—Introduction to Cultural Anthropology (3)  
ANTH 111—Introduction to Physical Anthropology and Archaeology (3)  
ANTH 210—Medical Anthropology (3)  
ANTH 215—Fantastic Archaeology: Ancient Astronauts, Shape Shifters, and Bigfoot (3)

### Communication

- COMM 235—Communicating in Small Groups (3)

### Economics

- ECON 100—Introduction to Economics (3)  
ECON 231—Principles of Macroeconomics (3)  
ECON 232—Principles of Microeconomics (3)

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## General Honors

- G H 102—Freshman Social Sciences Tutorial (2-3)
- G H 202—Sophomore Social Sciences Tutorial (2-3)
- G H 302—Advanced Social Sciences Seminar (2-3)

## Geography

- GEOG 100—Introduction to Human Geography (3)
- \* GEOG 110—World Regional Geography (3)
- GEOG 251—Principles of Urban and Regional Planning (3)

## Political Science

- POLS 101—Introduction to Political Science (3)
- POLS 122—American Government and Politics (3)
- POLS 200—Introduction to Political Thought (3)
- POLS 228—Fundamentals of International Relations (3)
- POLS 267—Introduction to Comparative Government and Politics (3)

## Psychology

- PSY 100—Introductory Psychology (3)
- PSY 221—Psychology of Child Development (3)
- PSY 250—Human Social Behavior (3)
- PSY 251—Personality and Adjustment (3)

## Sociology

- SOC 100—Introduction to Sociology (3)
- SOC 200—Contemporary Social Problems (3)
- SOC 250—American Institutions (3)
- SOC 272—Individual and Society (3)
- \* SOC/WS 285—Women: A Global Perspective (3)

## Women's Studies

- \* WS/SOC 285—Women: A Global Perspective (3)
- \* Dual-category course. Students may only count a dual-category course to satisfy the requirements in one General Education category.

## **IV. Humanities and Fine Arts ..... 9 s.h.**

Students must take at least three courses in the Humanities and Fine Arts. One course must come from Area 1: Humanities, and one course must come from Area 2: Fine Arts. Students are then free to choose either a Humanities or Fine Arts Course to fulfill the required nine hours in Humanities/Fine Arts. Students may take no more than two courses from any one grouping below.

### **AREA 1: HUMANITIES**

#### African American Studies

- \* AAS 281—Literature of the Black World (3)
- \* AAS 283—African American Folklore (3)

#### Broadcasting and Journalism

- BC&J/ENG 290—Introduction to Film (3)

#### Communication

- COMM 130—Introduction to Human Communication (3)
- COMM 254—Great Speeches (3)

#### English

- ENG 195—Introduction to Literature (3)
- ENG 200—Introduction to Poetry (3)
- ENG 201—Introduction to Fiction (3)
- ENG 202—Introduction to Drama (3)

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- ENG 205—Introduction to Shakespeare (3)
- ENG 206—Issues in U.S. Literature (3)
- ENG 281—Digital Writing and Multimedia Texts (3)
- ENG 285—Introduction to Creative Writing (3)
- ENG/BC&J 290—Introduction to Film (3)
- ENG 300—Short Story (3)

## **Foreign Languages and Literatures**

- F L 101—Introductory Seminar in World Languages and Cultures (3)
- FR 121—Elementary French I (4)
- FR 122—Elementary French II (4)
- FR 223—Intermediate French I (3)
- FR 224—Intermediate French II (3)
- GER 121—Elementary German I (4)
- GER 122—Elementary German II (4)
- GER 223—Intermediate German I (3)
- GER 224—Intermediate German II (3)
- PORT 121—Elementary Portuguese I (4)
- PORT 122—Elementary Portuguese II (4)
- SPAN 121—Elementary Spanish I (4)
- SPAN 122—Elementary Spanish II (4)
- SPAN 223—Intermediate Spanish I (3)
- SPAN 224—Intermediate Spanish II (3)

## **General Honors**

- G H 101—Freshman Humanities Tutorial (2-3)
- G H 201—Sophomore Humanities Tutorial (2-3)
- G H 301—Advanced Humanities Seminar (2-3)

## **History**

- HIST 105—American History to 1877 (3)
- HIST 106—American History since 1877 (3)
- \* HIST 115—World History to 1500 (3)
- \* HIST 116—World History since 1500 (3)
- HIST 211—Technology and Science in World History (3)
- \* HIST 245—History of Asia (3)

## **Music**

- MUS 197—American Country Music (3)
- \* MUS 198—K-Pop, J-Pop, and C-Pop (3)

## **Philosophy**

- PHIL 100—Introduction to Philosophy (3)
- PHIL 120—Contemporary Moral Problems (3)
- PHIL 140—Logic and Reasoning (3)
- PHIL 205—Philosophy, Law and Society (3)

## **Religious Studies**

- REL 101—Religion and Popular Culture (3)
- REL 107—The Bible (3)
- \* REL 110—Introduction to Eastern Religions (3)
- \* REL 111—Introduction to Western Religions (3)

## **Women's Studies**

- WS 265—Women and Creativity (3)
- WS 270—Hispanic Women (3)
- WS 280—Lesbianism and Gender Identity (3)

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## **AREA 2: FINE ARTS**

### African American Studies

\* AAS 282—African American Theatre (3)

#### Art

ARTH 180—An Introduction to Art (3)

ARTH 282—History of World Art: to 1400 (3)

ARTH 283—History of World Art: 1400–1900 (3)

\* ARTH 284—History of Non-Western Art (3)

ARTS 181—Introduction to Studio Art (3)

#### Music

MUS 190—What to Listen for in Music (3)

\* MUS 195—American Popular Music (3)

#### Theatre

THEA 101—Play Analysis (3)

THEA 110—Introduction to the Theatre (3)

THEA 172—Acting I (3)

\* Dual-category course. Students may only count a dual-category course to satisfy the requirements in one General Education category.

## **V. Multicultural Studies..... 3 s.h.**

Students must select 3 s.h. from the courses listed below:

### African American Studies

AAS 100—Introduction to African American Studies (3)

AAS 145—Famous People of African Descent (3)

\* AAS 281—Literature of the Black World (3)

\* AAS 282—African American Theatre (3)

\* AAS 283—African American Folklore (3)

AAS/HIST 314—African American History (3)

AAS/ENG 345—Survey of African American Literature (3)

AAS/HIST 349—Africa since 1800 (3)

### Agriculture

INAG 310—International Agriculture in Developing Countries (3)

### Anthropology

\* ANTH 110—Introduction to Cultural Anthropology (3)

ANTH/REL 225—Myth and Ritual (3)

ANTH 249—Native North American Cultures (3)

ANTH/WS 395—Gender, Race, and the Environment (3)

### Art

\* ARTH 284—History of Non-Western Art (3)

### Business and Technology

BAT 300—Global Study (1-3)

### Broadcasting and Journalism

BC&J 352—Mass Media and Minorities (3)

### Economics

ECON 350—Economics of Poverty and Discrimination (3)

ECON 351—Global Economic Poverty Issues (3)

### Educational Studies

EDS 202—Multicultural and Social Foundations of Education (3)

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## English

- ENG/WS 301—Women and Literature (3)
- ENG/AAS 345—Survey of African American Literature (3)
- ENG 348—Ethnic Literatures of the United States (3)
- ENG 358—Studies in Non-Western Literature (3)

## Foreign Languages and Literatures

- F L 350—Introduction to Contemporary Critical Theory (3)
- GER/HIST 337—The Holocaust (3)
- SPAN 320—Spanish for Heritage Speakers (3)

## General Honors

- G H 207—Sophomore Multicultural Tutorial (2-3)

## Geography

- \* GEOG 110—World Regional Geography (3)

## Health Education

- HE 325—Multicultural Health Issues (3)

## History

- \* HIST 115—World History to 1500 (3)
- \* HIST 116—World History since 1500 (3)
- HIST 241—History of Latin America (3)
- \* HIST 245—History of Asia (3)
- HIST 302—American Indian History, Pre-Contact to the Present (3)
- HIST 311—History of Flight Culture (3)
- HIST/AAS 314—African American History (3)
- HIST/WS 317—Women in American History (3)
- HIST/WS 318—Women and Gender in European History (3)
- HIST/GER 337—The Holocaust (3)
- HIST/WS 342—Women and Gender in Asian History (3)
- HIST/AAS 349—Africa since 1800 (3)

## Information Systems

- IS 325—Global Social Networks (3)

## Liberal Arts and Sciences

- LAS 195—Introduction to Liberal Arts and Sciences (3)
- LAS 210—Engaging Multiculturalism (3)

## Music

- \* MUS 195—American Popular Music (3)
- MUS 196—Music in the Rock Era (3)
- \* MUS 198—K-Pop, J-Pop, and C-Pop (3)
- MUS 394—Music in World Cultures (3)
- MUS 397—Jazz Survey (3)

## Nutrition

- NUTR 300—Food and Culture (3)

## Philosophy

- PHIL/WS 220—Feminism and Ethics (3)

## Political Science

- POLS 329—Latin American Politics (3)
- POLS/WS 335—Women and Politics (3)

## Psychology

- PSY/WS 357—Women and Work (3)

## Queer Studies

- QS 100—Introduction to Queer Studies (3)

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## Recreation, Park and Tourism Administration

RPTA 293—Inclusive Recreation for Individuals with Disabilities (3)

## Religious Studies

\* REL 110—Introduction to Eastern Religions (3)

\* REL 111—Introduction to Western Religions (3)

REL/ANTH 225—Myth and Ritual (3)

REL/WS 303—Women in Religion (3)

REL 365—Islam (3)

## Sociology

\* SOC/WS 285—Women: A Global Perspective (3)

SOC 300—Minority Peoples (3)

SOC/WS 360—Gender and Society (3)

## Theatre

THEA 201—Multiculturalism in Theatre (3)

## Women's Studies

WS 190—Introduction to Women's Studies (3)

WS/PHIL 220—Feminism and Ethics (3)

\* WS/SOC 285—Women: A Global Perspective (3)

WS/ENG 301—Women and Literature (3)

WS/REL 303—Women in Religion (3)

WS/HIST 317—Women in American History (3)

WS/HIST 318—Women and Gender in European History (3)

WS/POLS 335—Women and Politics (3)

WS/HIST 342—Women and Gender in Asian History (3)

WS/PSY 357—Women and Work (3)

WS/SOC 360—Gender and Society (3)

WS 370—Women in Popular Culture (3)

WS/ANTH 395—Gender, Race, and the Environment (3)

\* Dual-category course. Students may only count a dual-category course to satisfy the requirements in one General Education category.

## **VI. Human Well-Being ..... 3 s.h.**

Students may select any combination of courses from at least two of the following groupings:

### Cybersecurity

CSEC 101—Introduction to Cybersecurity I (2)

### Educational Studies

EDS 121—Introduction to Life Span Development (3)

### Finance

FIN 101—Financial Health (2)

### Health Education

HE 120—Personal Health Promotion (2)

HE 121—Human Sexuality (2)

HE 123—Drug Use and Abuse (2)

### Kinesiology

KIN 102—Swimming (1)

KIN 118—Aerobic Dancercise (1)

KIN 121—Badminton (1)

KIN 128—Tennis (1)

KIN 131—Aerobic Conditioning (1)

KIN 140—Personal Fitness Program (1)

## **University General Education Curriculum**

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KIN 147—Weight Training (1)

KIN 149—Stress Management and Relaxation Techniques (1)

KIN 151—Basketball (1)

KIN 158—Volleyball (1)

### Nutrition

NUTR 109—Introduction to Nutrition (3)

### Recreation, Park and Tourism Administration

RPTA 110—Concepts of Leisure (3)

RPTA 112—Recreation for Life (2)

### University

UNIV 100—Personal Growth and Well-Being in Higher Education (1)

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Western Illinois University has developed a program designed to help students complete their undergraduate degree in four years or less. The University is committed to helping students graduate in a timely fashion and has developed GradTrac to enable them to achieve this goal. GradTrac utilizes WIU's automated degree audit so students and advisors keep current on degree progress. GradTrac is not a graduation requirement or an academic regulation. Regularly admitted freshmen may choose to participate in the GradTrac program. Participation in GradTrac requires significant initiative during a student's years at WIU.

**Specifically, students must:**

- Enter the University as a regularly admitted student with appropriate academic preparation to begin GradTrac;
- Enroll in GradTrac and declare an interest in a major that qualifies for the program;
- Take responsibility for meeting the deadlines and requirements of GradTrac and regularly monitor their progress toward graduation. Such monitoring includes timely meetings with an academic advisor at least once each semester prior to each registration;
- Take responsibility for making and keeping required appointments and advisement sessions;
- Consult with an advisor before dropping or adding a class;
- Accept any available class section that fits their schedule and register for classes at their assigned registration time. The following encumbrances can prevent a student from registering on time: financial, immunization, administrative, housing, judicial, and athletic. Be sure these encumbrances are taken care of prior to advance registration;
- Meet all the academic requirements of their major, minor (when applicable), college, and the University;
- Accept responsibility for timely annual application for all necessary financial assistance; and
- Complete the applicable credits for their degree program each year as set out in their GradTrac degree plan (approximately 30 semester credit hours each year).

If a student *changes majors* and can still complete all remaining requirements within the time specified by the GradTrac agreement, the agreement remains valid. Appropriate signatures must be secured from the advisor and chair of the new major.

Students may enroll in an *additional major or minor* or in programs leading to additional licensing and certification, if they can complete all of these requirements within the time specified by the GradTrac agreement. Students must consult with their academic advisor in a timely manner in order to accomplish these changes or additions.

*Transfer and Summer credits* may count toward GradTrac requirements, but the academic terms in which these credits are earned will not be counted as part of the GradTrac agreement.

If, after working with an academic advisor, it appears that graduation may be delayed due to the unavailability of a course, a student must obtain the requisite form from the advisor and file it with that advisor no later than two working days after the end of the published advanced registration period. The form will be forwarded to the department chair and college dean as necessary.

If a student meets all the conditions of the degree plan but is unable to graduate due to the unavailability of a course, the University will offer one of the following options:

## **GradTrac**

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- Allow the student to graduate in the prescribed number of semesters by substituting a different course or an appropriate independent study assignment, as determined by the department and the college offering the major.
- Allow the student to graduate in the prescribed number of semesters by waiving the requirement to be met by the unavailable course, as determined by the department and college offering the major.
- If the college or department is unable to effect a waiver or substitution that will allow the student to graduate in the prescribed number of semesters, the University will waive the tuition for the course or courses still needed, if taken at Western Illinois University.

### **Majors Participating in GradTrac\***

Accountancy	History
Agriculture	Human Resource Management
Anthropology	Information Systems
Art	Law Enforcement and Justice
Biology	Administration
Broadcasting and Journalism	Liberal Arts and Sciences
Business Analytics	Management
Chemistry—General	Marketing
Chemistry—Biochemistry	Mathematics
Clinical Laboratory Science	Meteorology
Communication	Music—Applied Music
Computer Science	Nursing
Construction and Facilities Management	Nutrition and Dietetics
Cybersecurity	Nutrition and Foodservice Management
Economics—Bachelor of Arts	Physics—Standard
Economics—Bachelor of Business	Political Science
Educational Studies	Public Health
Emergency Management	Recreation, Park and Tourism
English	Administration
Finance	Social Work
Fire Protection Services	Sociology
Foreign Languages and Cultures	Speech Pathology and Audiology
Geographic Information Science	Supply Chain Management
Geology	Theatre
Health Services Management	

\* Due to additional course requirements, some Teacher Education programs are not included in GradTrac. Students should consult with their academic advisor.

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<b>College of Arts and Sciences .....</b>	<b>82–90</b>
<b>College of Business and Technology .....</b>	<b>91–94</b>
<b>College of Education and Human Services .....</b>	<b>95–97</b>
<b>College of Fine Arts and Communication.....</b>	<b>98–100</b>
<b>Centennial Honors College.....</b>	<b>101–103</b>

# **College of Arts and Sciences**

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**Dean:** Dr. Susan A. Martinelli-Fernandez  
**Associate Dean:** Dr. James A. Schmidt  
**Office:** Morgan Hall 114  
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**Website:** [wiu.edu/cas](http://wiu.edu/cas)

The College of Arts and Sciences occupies a central position in the University. This college houses the departments concerned with human cumulative culture and knowledge, usually referred to under the broad categories of the Natural Sciences and Mathematics, the Social Sciences, and the Humanities. Dedicated to the concept of excellent teaching, the college provides General Education Curriculum courses for all students in the University. Dedicated to the concept of impartial inquiry, the college encourages research that expands the frontiers of knowledge and applies that knowledge to the betterment of humanity.

With some exceptions, the programs in the College of Arts and Sciences are not primarily vocational in their orientation. In addition to making available a liberal education, these programs provide the theoretical basis for specialized work in graduate and professional schools. The college also educates future teachers in the basic secondary school disciplines. There is a continuing and growing demand for broadly educated young men and women who have the skills and knowledge essential to compete in a diverse and constantly changing landscape of careers and occupations.

## **Departments and Programs**

Students in the College of Arts and Sciences may pursue studies in the following departments/schools and programs:

### **Department of Accounting, Finance, Economics, and Decision Sciences**

B.A. in Economics

### **Department of Biological Sciences**

B.S. in Biology with options in:

- Botany
- Environmental Biology
- Medical Sciences
- Microbiology
- Science/Biology Teacher Education
- Zoology

B.S. in Clinical Laboratory Science

### **Department of Chemistry**

B.S. in Chemistry with additional options in:

- Biochemistry
- Pharmacy
- Science/Chemistry Teacher Education

B.S. in Forensic Chemistry

### **Department of Earth, Atmospheric, and Geographic Information Sciences**

B.S. in Geographic Information Science with options in:

- Geoenvironment and Planning
- Geospatial Science

B.S. in Geology with additional options in:

Environmental Geology  
Paleontology

B.S. in Meteorology with options in:

Applied Meteorology  
Operational Meteorology

## **Department of English**

B.A. in English with options in:

Creative Writing  
Literature and Language  
Professional Writing  
Teacher Education

## **Department of Foreign Languages and Literatures**

B.A. in Foreign Languages and Cultures with options in:

French  
French Teacher Education  
Spanish  
Spanish Teacher Education

## **Department of History**

B.A. in History with additional options in:

Pre-Law  
Teacher Education

## **Department of Mathematics and Philosophy**

B.S. in Mathematics with additional options in:

Actuarial Science  
Data Science and Statistics  
Teacher Education

## **School of Nursing**

Bachelor of Science in Nursing (B.S.N.)

## **Department of Physics**

B.S. in Physics with additional options in:

Engineering Physics  
Materials Science  
Science/Physics Teacher Education

## **Department of Political Science**

B.A. in Political Science with additional options in:

American Government  
International Relations/Comparative Politics  
Pre-Law  
Public Administration/Public Policy

## **Department of Psychology**

B.S. in Psychology with an additional option in:

Forensic Psychology

## **College of Arts and Sciences**

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### **Department of Race, Religion, Gender, and Multidisciplinary Studies**

Bachelor of Liberal Arts and Sciences (B.L.A.S.) with options in:

African American Studies

Paired Minors

### **Department of Sociology and Anthropology**

B.A. in Anthropology

B.A. in Sociology

The College of Arts and Sciences offers minor programs in the same fields as the major programs and options listed above (except in Clinical Laboratory Science, Liberal Arts and Sciences, Meteorology, and Nursing). In addition, the college offers the following minor programs that have no corresponding majors: Aging Studies, Applied Mathematics, Cannabis and Culture, Conceptual Physics, Environmental Studies, Film, Forensic Science, Geographic Information Systems, Geography, Global Politics, International Studies, Law and Society, Mental Health, Middle Level Mathematics Teaching, Middle Level Science Teaching, Middle Level Social Studies Teaching, Neuroscience, Philosophy, Public Administration and Public Service, Queer Studies, Religious Studies, Weather and Climate, and Women's Studies.

The College of Arts and Sciences provides dual programs in Clinical Laboratory Science, Engineering, and Law, whereby a student can complete requirements for a bachelor's degree in the College of Arts and Sciences while working toward a professional degree or certificate. In addition, the college provides advising for pre-professional programs in Engineering and Law.

## **College Graduation Requirements**

In addition to meeting University graduation requirements, students in the College of Arts and Sciences must:

1. Satisfy the University and other general requirements.
2. Complete a minimum of 120 s.h. of credit in approved courses, of which at least 42 s.h. are in courses numbered 300 or above.
3. Achieve and maintain a minimum scholastic average of 2.00 in the major, minor, and total program.
4. Satisfy the University General Education and College of Arts and Sciences Curriculum requirements for the degree sought. A minimum of 16 s.h. should be taken to meet these requirements during the freshman year and a minimum of 16 s.h. during the sophomore year.
5. Complete an approved major of a minimum of 32 s.h. At least 15 s.h. of the 32 s.h. of a major must be in courses numbered 300 or above.
6. Complete a recognized minor with a minimum of 16 s.h. The minor may not be in the same department as the major, unless the minor does not have a corresponding recognized major, except by written permission of the dean.
7. Complete courses required in related departments as listed with course requirements for the major in the individual departments.

## **Licensure to Teach**

Students enrolled in the College of Arts and Sciences who wish to obtain a teaching license must meet all criteria for admission to the Teacher Education Program, complete the Teacher Education curriculum, and complete the major or minor requirements for Teacher Education students as described under the various

## **College of Arts and Sciences**

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department offerings in Arts and Sciences. See Teacher Education (p. 382) for additional information and specific requirements.

### **Bachelor of Science in Nursing (B.S.N.)**

A Bachelor of Science in Nursing degree in the College of Arts and Sciences is granted to students who fulfill the general University requirements as to total number of hours, scholarship standards, the University General Education requirements, the graduation requirements, and the Nursing major requirements.

Bachelor of Science in Nursing students complete the University General Education Curriculum listed on page 69. The approved University General Education Curriculum courses are listed on pages 70–78.

### **Bachelor of Arts (B.A.)**

### **Bachelor of Science (B.S.)**

### **Bachelor of Liberal Arts and Sciences (B.L.A.S.)**

A Bachelor of Arts, Bachelor of Science, or Bachelor of Liberal Arts and Sciences degree in the College of Arts and Sciences is granted to students who fulfill the general University requirements as to total number of hours, scholarship standards, the University General Education requirements, the College of Arts and Sciences Curriculum requirements, the graduation requirements, and a major and minor.

### **UNIVERSITY GENERAL EDUCATION AND COLLEGE OF ARTS AND SCIENCES CURRICULUM REQUIREMENTS (for B.A., B.S., B.L.A.S.)**

Courses taken to satisfy the University General Education and Arts and Sciences Curriculum requirements may apply to the major or minor if approved by the academic advisor, unless otherwise restricted. Proficiency exams, where applicable, may be taken in place of these required courses. If successfully completed, they are graded Pass (P). Course credit is given. No other requirements are then imposed in lieu of the courses so completed.

**Note:** Students enrolled in the College of Arts and Sciences who wish to obtain a teaching license complete the University General Education Curriculum requirements instead of the Arts and Sciences Curriculum requirements.

The following restrictions apply:

- (1) No courses numbered 275, 298, 450, 475, and 498 are acceptable for credit in the General Education Curriculum.
- (2) Students may not use any one course to satisfy two General Education distribution requirements.
- (3) Students may not count more than two courses from the discipline in which they major toward satisfaction of the General Education requirements.
- (4) No courses under the Pass/Fail option may apply to the General Education requirements.

### **Bachelor of Arts (B.A.) Degree**

**University General Education and College Curriculum Requirements .....60 s.h.**

- I. Communication Skills (9 s.h.)

ENG 180 and ENG 280; COMM 241 or COMM 242

See University General Education Curriculum for additional information (p. 69).

# **College of Arts and Sciences**

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## II. Natural Sciences and Mathematics (12 s.h.)

### PART A—Competency

All students enrolled in the University must demonstrate their ability to use general baccalaureate-level skills in Mathematics by one of the following means:

- (1) Receive University credit for MATH 100 (Core Competency in Mathematics) or MATH 110 (Introductory College Algebra);
- (2) Receive a satisfactory score on an assessment examination instrument designated by the Department of Mathematics and Philosophy; or
- (3) Receive University credit for a Mathematics course which lists MATH 100 or MATH 110 as a prerequisite.

See University General Education Curriculum for additional information (p. 69).

### PART B—General Education

Students must complete 12 s.h. from the Natural Sciences and Mathematics section (I) of the list on pages 88–90. At least one laboratory course must be included.

Courses from at least two departments must be included. Students may take no more than two courses from any one grouping. At least 10 s.h. of this requirement must be satisfied from courses **not** listed in **boldface** type.

## III. Social Sciences (15 s.h.)

Students must complete 15 s.h. from the Social Sciences section (II) of the list on pages 88–90. Courses from at least three departments must be included. Students may take no more than two courses from any one grouping. At least 9 s.h. of this requirement must be satisfied from courses **not** listed in **boldface** type.

## IV. Humanities and Fine Arts (18 s.h.)

Students must complete 18 s.h. from the Humanities and Fine Arts section (III) of the list on pages 88–90. At least one course must come from Area 1: Humanities, and at least one course must come from Area 2: Fine Arts. Students are then free to choose either Humanities or Fine Arts courses to fulfill the required 18 hours in Humanities/Fine Arts. Courses from at least three departments must be included. Students may take no more than two courses from any one grouping. At least 9 s.h. of this requirement must be satisfied from courses **not** listed in **boldface** type.

## V. Multicultural Studies (3 s.h.)

Students must select at least 3 s.h. from the Multicultural Studies section (IV) of the list on pages 88–90.

## VI. Human Well Being (3 s.h.)

Students may select any combination of courses from at least two of the groupings in the Human Well Being section (V) of the list on pages 88–90.

### **Bachelor of Science (B.S.) Degree**

### **University General Education and College Curriculum Requirements ..... 55 s.h.**

## I. Communication Skills (9 s.h.)

ENG 180 and ENG 280; COMM 241 or COMM 242

See University General Education Curriculum for additional information (p. 69).

## II. Natural Sciences and Mathematics (16 s.h.)

### PART A—Competency

All students enrolled in the University must demonstrate their ability to use general baccalaureate-level skills in Mathematics by one of the following means:

- (1) Receive University credit for MATH 100 (Core Competency in Mathematics) or MATH 110 (Introductory College Algebra);
- (2) Receive a satisfactory score on an assessment examination instrument designated by the Department of Mathematics and Philosophy; or
- (3) Receive University credit for a Mathematics course which lists MATH 100 or MATH 110 as a prerequisite.

See University General Education Curriculum for additional information (p. 69).

### PART B—General Education

Students must complete 16 s.h. from the Natural Sciences and Mathematics section (I) of the list on pages 88–90. At least one laboratory course must be included. Courses from at least two departments must be selected. A one-year sequence outside the major must be included; students should consult with their academic advisors for sequences appropriate to their majors. Students may take no more than two courses from any one grouping. At least 10 s.h. of this requirement must be satisfied from courses not listed in **boldface** type.

#### III. Social Sciences (12 s.h.)

Students must complete 12 s.h. from the Social Sciences section (II) of the list on pages 88–90. Courses from at least two departments must be included. Students may take no more than two courses from any one grouping. At least 9 s.h. of this requirement must be satisfied from courses not listed in **boldface** type.

#### IV. Humanities and Fine Arts (12 s.h.)

Students must complete 12 s.h. from the Humanities and Fine Arts section (III) of the list on pages 88–90. At least one course must come from Area 1: Humanities, and at least one course must come from Area 2: Fine Arts. Students are then free to choose either Humanities or Fine Arts courses to fulfill the required 12 hours in Humanities/Fine Arts. Courses from at least two departments must be included. Students may take no more than two courses from any one grouping. At least 9 s.h. of this requirement must be satisfied from courses not listed in **boldface** type.

#### V. Multicultural Studies (3 s.h.)

Students must select at least 3 s.h. from the Multicultural Studies section (IV) of the list on pages 88–90.

#### VI. Human Well Being (3 s.h.)

Students may select any combination of courses from at least two of the groupings in the Human Well Being section (V) of the list on pages 88–90.

### **Bachelor of Liberal Arts and Sciences (B.L.A.S.) Degree**

### **University General Education and College Curriculum Requirements .....57 s.h.**

#### I. Communication Skills (9 s.h.)

ENG 180 and ENG 280; COMM 241 or COMM 242

See University General Education Curriculum for additional information (p. 69).

#### II. Natural Sciences and Mathematics (12–15 s.h.\*)

### PART A—Competency

All students enrolled in the University must demonstrate their ability to use general baccalaureate-level skills in Mathematics by one of the following means:

- (1) Receive University credit for MATH 100 (Core Competency in Mathematics) or MATH 110 (Introductory College Algebra);

# **College of Arts and Sciences**

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- (2) Receive a satisfactory score on an assessment examination instrument designated by the Department of Mathematics and Philosophy; or
- (3) Receive University credit for a Mathematics course which lists MATH 100 or MATH 110 as a prerequisite.

See University General Education Curriculum for additional information (p. 69).

## **PART B—General Education**

Students must complete 12–15 s.h.\* from the Natural Sciences and Mathematics section (I) of the list on pages 88–90. At least one laboratory course must be included. Courses from at least two departments must be selected. Students may take no more than two courses from any one grouping. At least 10 s.h. of this requirement must be satisfied from courses not listed in **boldface** type.

### **III. Social Sciences (12–15 s.h.\*)**

Students must complete 12–15 s.h.\* from the Social Sciences section (II) of the list on pages 88–90. Courses from at least two departments must be included. Students may take no more than two courses from any one grouping. At least 9 s.h. of this requirement must be satisfied from courses not listed in **boldface** type.

### **IV. Humanities and Fine Arts (12–15 s.h.\*)**

Students must complete 12–15 s.h.\* from the Humanities and Fine Arts section (III) of the list on pages 88–90. At least one course must come from Area 1: Humanities, and at least one course must come from Area 2: Fine Arts. Students are then free to choose either Humanities or Fine Arts courses to fulfill the required 12–15 hours in Humanities/Fine Arts. Courses from at least two departments must be included. Students may take no more than two courses from any one grouping. At least 9 s.h. of this requirement must be satisfied from courses not listed in **boldface** type.

### **V. Multicultural Studies (3 s.h.)**

Students must select at least 3 s.h. from the Multicultural Studies section (IV) of the list on pages 88–90.

### **VI. Human Well Being (3 s.h.)**

Students may select any combination of courses from at least two of the groupings in the Human Well Being section (V) of the list on pages 88–90.

\*Must take 15 s.h. in two of these three categories and 12 s.h. in the third category: Natural Sciences/Mathematics, Social Sciences, and Humanities.

## **UNIVERSITY GENERAL EDUCATION/COLLEGE CURRICULUM COURSE LISTING** (for B.A., B.S., B.L.A.S.)

The courses below may be used to fulfill the University General Education/College of Arts and Sciences Curriculum requirements for the Bachelor of Arts, Bachelor of Science, and Bachelor of Liberal Arts and Sciences degrees within the College of Arts and Sciences. Students enrolled in the Bachelor of Science in Nursing (B.S.N.) program must complete the University General Education Curriculum listed on page 69.

### **I. Natural Sciences and Mathematics**

Biology: BIOL 100, 101, 181, 204

Botany: BOT 200

Chemistry: CHEM 101, 102, 114, 150, 201, 202

Computer Science: CS 114, 214

General Honors: G H 103, 104, 203, 204, 303

Geographic Information Science: GIS 108

Geography: GEOG 121, 182

Geology: GEOL 110, 112, 113, 115, 181

Mathematics: MATH 101, 102, 123, 133, 134, 137, 138, 139, 206; Statistics: STAT 171, **276**  
Meteorology: METR 120  
Microbiology: MICR 200  
Physics: PHYS 100, 101, 114, 115, 150, 182, 211  
Zoology: ZOOL 200

## II. Social Sciences

African American Studies: **AAS 100\*, 145\*, 325**  
Anthropology: ANTH 110\*, 111, **201**, 210, 215  
Communication: COMM 235  
Economics: ECON 100, 231, 232  
General Honors: G H 102, 202, 302  
Geography: GEOG 100, 110\*, 251  
Political Science: POLS 101, 122, 200, 228, 267, **284**  
Psychology: PSY 100, 221, 250, 251  
Sociology: SOC 100, 200, 250, 272, 285\*, **300\*, 313, 360\*, 370**  
Women's Studies: WS 285\*, **360\***

## III. Humanities and Fine Arts

### AREA 1: HUMANITIES

African American Studies: **AAS 281\*, 283\*, 290, 381**  
Broadcasting and Journalism: BC&J 290, **350**  
Communication: COMM 130, 254  
English: ENG 195, 200, 201, 202, 205, 206, 281, 285, 290, 300, **301\*, 353, 355, 356, 358\***  
Foreign Languages and Literatures  
    Foreign Language: F L 101;  
    French: FR 121, 122, 223, 224, **325, 326, 327**;  
    German: GER 121, 122, 223, 224, **325, 326, 327**;  
    Portuguese: PORT 121, 122;  
    Spanish: SPAN 121, 122, 223, 224, **325, 326, 327**  
General Honors: G H 101, 201, 301  
History: HIST 105, 106, 115\*, 116\*, 211, **241\*, 245\*, 300, 320, 321, 345**  
Music: MUS 197  
Philosophy: PHIL 100, 120, 140, 205, **300, 310, 330**  
Religious Studies: REL 101, 107, 110\*, 111\*, **301, 303\*, 350, 355, 365\*, 370**  
Women's Studies: WS 265, 270, 280, **301\*, 303\***

### AREA 2: FINE ARTS

African American Studies: AAS 282\*  
Art History: ARTH 180, 282, 283, 284\*, **394**  
Art Studio: ARTS 181  
Music: MUS 190, 195\*, 198\*, **390, 391, 394\*, 397\***  
Theatre: THEA 101, 110, 172, **390, 391**

## IV. Multicultural Studies

African American Studies: AAS 100\*, 145\*, 281\*, 282\*, 283\*, 314, 345, 349  
Anthropology: ANTH 110\*, 225, 249, 395  
Art History: ARTH 284\*  
Broadcasting and Journalism: BC&J 352  
Business and Technology: BAT 300  
Economics: ECON 350, 351  
Educational Studies: EDS 202  
English: ENG 301\*, 345, 348, 358\*  
Foreign Language: F L 350  
General Honors: G H 207

## **College of Arts and Sciences**

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Geography: GEOG 110\*

German: GER 337

Health Education: HE 325

History: HIST 115\*, 116\*, 241\*, 245\*, 302, 311, 314, 317, 318, 337, 342, 349

Information Systems: IS 325

International Agriculture: INAG 310

Liberal Arts and Sciences: LAS 195, 210

Music: MUS 195\*, 196, 198\*, 394\*, 397\*

Nutrition: NUTR 300

Philosophy: PHIL 220

Political Science: POLS 329, 335

Psychology: PSY 357

Queer Studies: QS 100

Recreation, Park and Tourism Administration: RPTA 293

Religious Studies: REL 110\*, 111\*, 225, 303\*, 365\*

Sociology: SOC 285\*, 300\*, 360\*

Spanish: SPAN 320

Theatre: THEA 201

Women's Studies: WS 190, 220, 285\*, 301\*, 303\*, 317, 318, 335, 342, 357, 360\*, 370, 395

### **V. Human Well-Being**

Cybersecurity: CSEC 101

Educational Studies: EDS 121

Finance: FIN 101

Health Education: HE 120, 121, 123

Kinesiology: KIN 102, 118, 121, 128, 131, 140, 147, 149, 151, 158

Nutrition: NUTR 109

Recreation, Park and Tourism Administration: RPTA 110, 112

University: UNIV 100

\*Dual-category course. Students may only count a dual-category course to satisfy the requirements in one General Education category.

# **College of Business and Technology**

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**Dean:** Dr. Craig A. Conrad

**Associate Dean:** Dr. Tara N. Feld

**Office:** Stipes Hall 101

**Telephone:** (309) 298-2442

**Fax:** (309) 298-1039

**Email:** CBT@wiu.edu

**Website:** wiu.edu/cbt

## **Program Offerings and Locations**

- Minor in Business: Macomb, Quad Cities
- Minor in Pre-MBA: Macomb, Quad Cities

The College of Business and Technology at Western Illinois University provides a focus for educational excellence that promotes the intellectual and personal growth of participants and enhances their contributions to individuals and organizations to thrive, contribute, and lead in a global society. The activities and operations of the college are not regionally restricted, as the western part of Illinois is an integral part of a unified social and economic infrastructure that extends across the United States to the world.

Several programs within the College of Business and Technology have earned accreditation or other external recognition:

- The Business and Accountancy programs (undergraduate and graduate) are fully accredited by AACSB International.
- The Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering programs are accredited by ABET.
- The B.S. in Cybersecurity is a National Center for Academic Excellence in Cyber Defense (NCAE-CD) validated program of study in Cyber Defense (CD).

The essence of educational excellence involves a qualified and scholarly faculty, a diverse student body, small class sizes, the use of current technology, the best aspects of a small college atmosphere, and a positive learning environment. Intellectual and personal growth includes cultivating scholarly virtues, promoting the concept of life-long learning, encouraging faculty development, and generating and sharing information and knowledge. Participants are students, faculty, graduates, and all others involved in the educational process. Every individual is an active learner and teacher through shared responsibility, collaboration, and mutual respect. The college contributes to the success of future and current leaders, managers, and professionals in the global community. Faculty are engaged in teaching, research, and service; students are prepared for meaningful positions and for life; and employers recognize the value of an education from the college.

Annually, a wide variety of lectures, symposia, and discussions designed to augment classroom work are presented. While many of these professional programs appeal primarily to business people and business and technology students, increasing emphasis is being placed on the broad social spectrum of business endeavors. The goal of these varied programs is to engage students in the concepts of social responsibility and ethical business practices while encouraging the use of quantitative, technical, and theoretical approaches necessary for problem solving in the complex milieu of today's global business environment.

## **Beta Gamma Sigma**

Beta Gamma Sigma is the national scholastic honor society in the field of business. Election to membership is available to both undergraduate and graduate students in business. Selection is based upon outstanding scholastic achievement.

# **College of Business and Technology**

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## **Departments and Programs**

Students in the College of Business and Technology may pursue studies in the following departments/schools and programs:

### **School of Accounting, Finance, Economics, and Decision Sciences**

- B.B. in Accountancy
- B.B. in Business Analytics
- B.A. in Economics
- B.B. in Economics
- B.B. in Finance

### **School of Agriculture**

- B.S. in Agriculture with options in:
  - Agricultural Business
  - Agricultural Science
  - Teacher Education

### **School of Computer Sciences**

- B.S. in Computer Science
- B.S. in Cybersecurity
- B.S. in Information Systems

### **School of Engineering and Technology**

- B.S. in Civil Engineering
- B.S. in Construction and Facilities Management
- B.S. in Electrical Engineering
- B.S. in Engineering
- B.S. in Engineering Technology
- B.S. in Mechanical Engineering

### **School of Management and Marketing**

- B.B. in Human Resource Management
- B.B. in Management
- B.B. in Marketing with options in:
  - Enterprise Marketing
  - Marketing Technology
  - Omni-Channel Marketing
- B.B. in Supply Chain Management

The College of Business and Technology offers minor programs in the same fields as the major programs and options listed above (except Civil Engineering, Construction and Facilities Management, Electrical Engineering, Engineering, Engineering Technology, and Mechanical Engineering). In addition, the college offers the following minor programs that have no corresponding majors: Agricultural Economics, Agricultural Technology Management, Agronomy, Algorithms and Data Management, Animal Science, App Development, Business, Cannabis Cultivation, Community Forestry, Computer Science Education, Construction and Facilities Technology, Horticulture, Industrial Technology, Information Technology, International Business, Manufacturing Technology, Natural Resources Conservation, Network Technologies, Operations Management, Plant Breeding, Pre-MBA, Precision Agriculture, and Sustainable Business. The requirements for the minor in Business are listed below. Requirements for all other minors are listed under the appropriate department sections.

The College of Business and Technology also provides advising for pre-professional programs in Forestry, Pre-MBA, and Veterinary Medicine.

# **College of Business and Technology**

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<b>Minor in Business .....</b>	<b>24 s.h.</b>
1. ACCT 201, 202; ECON 231, 232; STAT 171 .....	15 s.h.
2. Select three of the following courses:	9 s.h.

FIN 331, IS 340, MGT 349, MGT 481, MGT/OM 352, MKTG 327

## **Pre-MBA Minor (21-27 s.h.)**

See Pre-Professional Programs (p. 343).

## **Limit on Business Credits**

Students who are not declared as Bachelor of Business majors may enroll/count a maximum of 29 total hours of coursework with the following prefixes: ACCT, BAT, BL, DS, FIN, HRM, MGT, MKTG, OM, and SCM. Business courses in excess of 29 hours will not be counted toward degree or graduation requirements for non-business majors. Exceptions to this rule require the permission of the Dean of the College of Business and Technology.

## **Major in Business**

Acceptance as a declared business major requires the completion of at least 60 s.h. and, except as provided below, at least 12 s.h. completed at WIU with a cumulative grade point average of at least 2.50 at WIU. The student must have also completed ACCT 201 and 202, ECON 231 and 232, MATH 137, and STAT 171. Students not eligible to declare may enroll in a Pre-Business Program. Enrollment in these programs does not guarantee acceptance into one of the major areas as a candidate for the Bachelor of Business degree.

Transfer students who have earned 60 hours prior to matriculation at WIU, with a cumulative grade point average of 2.50, and who have completed ACCT 201 and 202, ECON 231 and 232, MATH 137, and STAT 171 will enter as declared majors.

All students must have attained junior standing in order to enroll in 300- and 400-level business courses with the exception of courses in Economics.

Pre-Business students who have earned 60 hours, but are otherwise ineligible to declare a business major, will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits above) and may be removed from business courses.

Students are expected to complete a minimum of 24 s.h. in the major area as defined by the appropriate department. In special cases, the chairperson of the major department, the Dean of the College of Business and Technology, and the Council on Admission, Graduation, and Academic Standards (CAGAS) may approve a course outside the college as a substitute for a major area requirement.

After satisfying the University General Education Curriculum, the Business Core, and the major area courses, the remaining courses may be taken as open electives.

## **Advising Centers**

Students majoring in Agriculture, Engineering, or Engineering Technology receive academic advising services in the Agriculture and Engineering Technology Advising Office, located in Knoblauch Hall 110, telephone (309) 298-2100.

Students majoring in Business disciplines or Computer Sciences receive academic advising services in the Business and Computer Sciences Advising Center, located in Stipes Hall 133, telephone (309) 298-1619.

Students majoring in business disciplines or Information Systems who are primarily enrolled at the WIU—Quad Cities campus receive advising services from the WIU—Quad Cities advising office, telephone (309) 762-9481.

# **College of Business and Technology**

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## **College Graduation Requirements**

In addition to meeting University graduation requirements, students in the College of Business and Technology must:

1. Complete 120–126 s.h. of credit in approved courses, of which a minimum of 42 s.h. must be in courses numbered 300 and above.
2. Complete the requirements for the Bachelor of Business, Bachelor of Arts, or Bachelor of Science degree as outlined for specific majors.

### **BACHELOR OF BUSINESS MAJORS**

1. Complete the business major core courses.
2. Complete the last 30 s.h. in residence.
3. Complete at least 50% of the required business credit hours in residence.

### **BACHELOR OF ARTS AND BACHELOR OF SCIENCE MAJORS**

1. Satisfy the University residence and other general requirements including the University General Education Curriculum and minimum scholastic standards.
2. Complete an appropriate minor or comprehensive major in lieu of a major-minor combination.

## **Licensure to Teach Agriculture**

Students enrolled in the School of Agriculture who wish to obtain a teaching license must meet all criteria for admission to the Teacher Education Program, complete the Teacher Education curriculum, and complete the major or minor requirements for Teacher Education students. See School of Agriculture (p. 118) and Teacher Education (p. 382) for additional information and specific requirements.

## **Bachelor of Business Degree**

In addition to the University General Education Curriculum, all candidates for the Bachelor of Business degree must complete the following requirements:

### **Business Core**

Accounting (ACCT 201 and 202).....	6 s.h.
Professional Preparation and Business Communication (BCOM 320†).....	3 s.h.
Business Law (B L 230/B L 432 for Accountancy majors).....	3 s.h.
Business Statistics (DS 303).....	3 s.h.
Finance (FIN 331).....	3 s.h.
Global Studies (ECON 170 or MGT 125/ACCT 477 for Accountancy majors).....	3 s.h.
Information Systems (IS 340) .....	3 s.h.
Management (MGT 349 and 490).....	6 s.h.
Marketing (MKTG 327).....	3 s.h.
Business and Technology (BAT 490).....	0 s.h.
<b>Total.....</b>	<b>33 s.h.</b>

† Writing Instruction in the Disciplines (WID) course.

Students who transfer an equivalent course with less than the hours shown may seek approval from the Dean of the College of Business and Technology to complete the core requirements with fewer than 33 s.h.

# **College of Education and Human Services**

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**Interim Dean:** Dr. Eric C. Sheffield

**Associate Dean for Administration:** Dr. Katrina M. Daytner

**Interim Assistant Dean for Educator Preparation:** Dr. Renee L. Polubinsky

**Office:** Horrabin Hall 117

**Telephone:** (309) 298-1690

**Fax:** (309) 298-2222

**Email:** COEHS@wiu.edu

**Website:** wiu.edu/coehs

The College of Education and Human Services houses a number of diverse programs that are designed to provide a challenging and supportive learning environment that is widely recognized as meeting the humanistic and technological demands of a global society. These programs lead to careers in education; public health, health services management and social work; exercise science, physical education and nutrition and dietetics; law enforcement and justice administration; fire science; emergency management; leisure, hospitality, recreation, and tourism. The graduates of these programs enter careers in business, education, nonprofit organizations, and government agencies. All of the college's teacher education programs are approved by the Illinois State Board of Education, and several of our other programs are accredited by external professional organizations. Nutrition and Dietetics is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Social Work is accredited by the Council on Social Work Education (CSWE). Recreation, Park and Tourism Administration is accredited by the Council on Accreditation of Parks, Recreation, Tourism and Related Professions (CoAPRT).

Long recognized for its outstanding programs, the College of Education and Human Services has maintained its excellence in the traditional aspects of preparation while undergoing expansion and development to meet the changing needs of society. The programs maintain close relationships with external communities in a wide array of experiences, the most comprehensive being a full-time internship, practicum, or student teaching experience during the senior year. These experiences ensure that our graduates are well prepared for their chosen career path.

The academic programs are enhanced by many special facilities including aquatic areas, court facilities, weight rooms, the Infant & Preschool lab school, the Knoblauch Executive Kitchen and Dining Room, and the Horn Field Campus outdoor education facility; as well as specialized laboratories including a biomechanics laboratory, a human performance laboratory, the McCamey Crime Lab, an Emergency Operations Center, and a special emergency medical training laboratory.

## **Departments and Programs**

Students in the College of Education and Human Services may pursue studies in the following departments/schools and programs:

### **Department of Counselor Education and College Student Personnel**

Undergraduate Coursework in College Student Personnel

Undergraduate Coursework in Counselor Education

### **School of Education**

B.S.Ed. in Educational Studies

B.S.Ed. in Elementary Education with additional options in:

Early Childhood Education

English as a Second Language Education

Multilingual Education

## **College of Education and Human Services**

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B.S.Ed. in Middle Level Education  
B.S.Ed. in Special Education  
Professional Education Coursework

### **Department of Health Sciences and Social Work**

B.S. in Health Services Management  
B.S. in Public Health  
Bachelor of Social Work (B.S.W.)

### **Department of Kinesiology**

B.S. in Exercise Science  
B.S. in Nutrition and Dietetics  
B.S. in Nutrition and Foodservice Management  
B.S. in Physical Education

### **School of Law Enforcement and Justice Administration**

B.S. in Emergency Management  
B.S. in Fire Protection Services with options in:  
Fire Administration  
Fire Medic  
Fire Science  
B.S. in Law Enforcement and Justice Administration

### **Department of Military Science**

Two-year and four-year programs leading to a commission as a Second Lieutenant in the United States Army

### **Department of Recreation, Park, Tourism, and Hospitality**

B.S. in Recreation, Park and Tourism Administration with additional options in:  
Adapted Recreation and Inclusion  
Community Organizations  
Outdoor Recreation  
Tourism, Hospitality and Event Management

The College of Education and Human Services offers minor programs in the same fields as the major programs and options listed above (except Early Childhood Education, Elementary Education, English as a Second Language Education, Exercise Science, Fire Protection Services, Health Services Management, Middle Level Education, Multilingual Education, Nutrition and Foodservice Management, Physical Education, Public Health, Social Work, and Special Education). In addition, the college offers the following minor programs that have no corresponding majors: Coaching, Corrections, Criminalistics, Event Planning and Management, Homeland Security, Horticulture, Hospitality Management, Legal Studies, Middle Level Literacy Teaching, Military Science, Nonprofit Administration, Occupational Safety, Outdoor Leadership, Scuba Diving, Security Administration, Teaching English to Speakers of Other Languages (TESOL), Therapeutic Recreation, and Youth Leadership.

## **College Graduation Requirements**

In addition to meeting University graduation requirements, students in the College of Education and Human Services must:

## **College of Education and Human Services**

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1. Achieve and maintain the minimum scholastic standards in the comprehensive major or a major and minor program.
2. Complete a comprehensive major or a major and minor appropriate to the department and curriculum in which the student is enrolled.

### **Academic Advisors**

Students enrolled in the College of Education and Human Services will be provided with academic advising in the College of Education and Human Services Advising Center. Advising is an integral part of any academic program. Advising assists students with registration, academic planning, and meeting graduation requirements. Students must meet with their academic advisor each semester prior to pre-registration.

### **Licensure to Teach**

Students enrolled in the College of Education and Human Services who wish to obtain a teaching license must meet all criteria for admission to the Teacher Education Program, complete the Teacher Education curriculum, and complete the major requirements for Teacher Education students as described under the various department offerings in the college. See Teacher Education Program (p. 382) for additional information and specific requirements.

# **College of Fine Arts and Communication**

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**Dean:** Mr. William "Billy" T. Clow

**Associate Dean:** Dr. Richard M. Kurasz

**Office:** Browne Hall 115

**Telephone:** (309) 298-1618

**Fax:** (309) 298-2695

**Email:** COFAC@wiu.edu

**Website:** [wiu.edu/cofac](http://wiu.edu/cofac)

The College of Fine Arts and Communication provides high quality educational programs to a diverse student population. The primary focus is to prepare artists, professionals, and scholars of the 21st century. Students will comprehend the complexity of visual and performing arts, communicative arts and sciences, and media through the study of their aesthetics, creativity, history, theories, and applications.

From the time of entry to graduation, students are continually made aware of their progress through assessment strategies. Internships are available in some of the programs. The college believes that a quality education denotes its graduates will achieve the ability to think clearly and logically, draw meaningful conclusions from various languages, symbols, and texts, make informed decisions, develop self-discipline, acquire a thirst to achieve a high standard of scholarly and technical artistry or knowledge in their subject field, and critically examine the process of thinking intelligently so they can nourish the mind, foster integrity, refine character, and stimulate imaginative sensibilities.

## **Departments and Programs**

Students in the College of Fine Arts and Communication may pursue studies in the following departments/schools and programs:

### **Department of Art and Design**

B.A. in Art with options in:

Art Studio

Graphic Design

B.F.A. in Art with options in:

Art Studio

Graphic Design

Teacher Education

### **Department of Broadcasting and Journalism**

B.A. in Broadcasting and Journalism with options in:

Advertising and Public Relations

Broadcast Production

Multimedia Journalism

Sports Broadcasting

### **Department of Communication**

B.A. in Communication

### **School of Music**

Bachelor of Music (B.M.) with options in:

Applied Music (Composition, Jazz, Piano, Strings, Vocal, Wind/Percussion)

Music Business

Music Therapy

Teacher Education

# **College of Fine Arts and Communication**

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## **Department of Speech Pathology and Audiology**

B.S. in Speech Pathology and Audiology

## **Department of Theatre and Dance**

B.A. in Theatre with options in:

Performance

Production/Design

B.F.A. in Musical Theatre

The College of Fine Arts and Communication offers minor programs in the same fields as the major programs and options listed above (except Musical Theatre and Speech Pathology and Audiology). In addition, the college offers the following minor programs that have no corresponding majors: American Sign Language, Art History, Dance, Health Communication, Jazz Studies, Social Media, and Stage Combat.

## **Majors and Minors**

Course requirements for Fine Arts and Communication majors and minors are given under the department headings. The departments of the College of Fine Arts and Communication are authorized to grant a baccalaureate degree to students completing the following groups of courses:

1. University General Education Curriculum.
2. A department core of courses.
3. One of the options offered by the student's major department. Art and Theatre majors must meet specific grade point average requirements in the departmental core to enroll in the comprehensive program. Admission to all programs in Music and the B.F.A. Musical Theatre program in the Department of Theatre and Dance are contingent upon satisfactory performance in audition. Major programs with a conventional minor continue to be available.

## **Academic Advising**

Each academic program in the College of Fine Arts and Communication has its own approach to advising, and students should acquaint themselves with the advising in their major. Advising is an important and integral part of an academic program. Advisors help students with registration, academic planning, and meeting graduation requirements.

The advisor can succeed in this task only if the student maintains contact. The advisor should be consulted regarding all courses taken and dropped in order to ensure that the requirements of the program are being followed and will be properly fulfilled.

Communication students who are pursuing the major at the WIU—Quad Cities campus may contact the Communication Advisor at the Western Illinois University—Quad Cities campus.

## **College Graduation Requirements**

In addition to fulfilling University graduation requirements, students in the College of Fine Arts and Communication must:

1. Complete the appropriate total of semester hours needed for graduation in the specific curriculum pursued, including the major, the minor if needed, and electives. At least 42 s.h. must be in courses numbered 300 or above.
2. Complete at least 12 s.h. in courses numbered 300 or above in the major.

## **College of Fine Arts and Communication**

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### **Licensure to Teach**

Students enrolled in the College of Fine Arts and Communication who wish to obtain a teaching license must meet all criteria for admission to the Teacher Education Program, complete the Teacher Education curriculum, and complete the major or minor requirements for Teacher Education students as described under the various department offerings in Fine Arts. See Teacher Education (p. 382) for additional information and specific requirements.

### **Bureau of Cultural Affairs**

The college advises the Bureau of Cultural Affairs (BCA), an arts presenting student organization comprised of WIU students, faculty, staff, and community members. Affordable and diverse performances each year include national Broadway tours, theatre, dance, symphonies, headline musical artists, chamber music, young artists, comedy, and youth programming. BCA performances are free to WIU students.

### **Tri States Public Radio**

The college operates WIUM 91.3 FM/WIUW 89.5 FM/WVKC 90.7 FM/K292GR 106.3 FM, a 24-hour-a-day National Public Radio member station, offering in-depth news, public affairs, and cultural programming, including classical, jazz, and folk music. The stations also offer two reading services to assist blind and print-disabled persons in the region, the Audio Information Service and the Personal Reader Service, which operate free of charge to clients.

**Dean:** Dr. Lorette S. Oden  
**Office:** Horrabin Hall 6  
**Telephone:** (309) 298-2228  
**Email:** Honors@wiu.edu  
**Website:** wiu.edu/Honors

## Program Offerings and Locations

- Minor in Pre-Law Honors: Macomb

The Centennial Honors College provides academically talented and motivated students an enriched academic curriculum and opportunities for leadership, professional growth, and service learning. At the University level, its curriculum of special General Honors courses and colloquia is an integral part of the University's General Education. Within departments or areas of study, the honors curriculum is an integral part of the major with offerings of in-course honors, projects, seminars, recitals, and internship opportunities. General Honors courses, taught by a select faculty, foster opportunities for discussion and debate and promote critical reasoning, cross-disciplinary thinking, and communication skills. Honors work within departments and areas provides opportunities for in-depth study, research, and professional development.

## Eligibility

Only students who are enrolled in the Centennial Honors College may register for honors courses. To qualify for the Centennial Honors College, entering freshmen must satisfy A, B, or C:

- A. Have an overall high school GPA of 3.75 or above (4.0 scale)
- B. Meet two of the following three criteria:
  1. 3.4 high school GPA (4.0 scale)
  2. 24 ACT / 1160 SAT
  3. Top 15% of high school graduating class
- C. Submit a 300-word essay discussing your personal and academic experiences that have prepared you to be successful in meeting and maintaining the Honors College graduation requirements. Use specific examples of experiences you believe make you a strong candidate for the Centennial Honors College.

Transfer and current Western students who wish to join the Honors College must either have a 3.4 grade point average on a 4.0 scale based on 12 or more semester hours, **or** submit a 300-word essay discussing their personal and academic experiences that have prepared them to be successful in meeting and maintaining the Honors College graduation requirements. Transfer and current Western students should use specific examples of experiences they believe make them strong candidates for the Centennial Honors College. Honors credit may be given for honors coursework completed at other accredited institutions.

International students are encouraged to apply and may contact the Dean.

## Honors College Requirements for Graduation

To graduate from the Centennial Honors College, students must complete an honors curriculum in University Honors, Honors in the Major, General Honors, or the Pre-Law Honors minor. All honors students must complete the one-hour honors colloquium (G H 299).

*University Honors* includes two General Honors seminars, an honors section of the First Year Experience (a General Honors seminar may be substituted in some cases), G H 299, and the appropriate discipline-specific honors requirements in the major. Transfer

# **Centennial Honors College**

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students are eligible for University Honors if they have completed an appropriate number of honors courses at a college or university before enrolling at Western Illinois University.

*Honors in the Major* includes the appropriate discipline-specific requirements in the major and G H 299.

*General Honors* includes two General Honors seminars, an honors section of the First Year Experience (a General Honors seminar may be substituted in some cases), and G H 299.

## **Pre-Law Honors Minor.....21 s.h.**

The Pre-Law Honors minor is a unique interdisciplinary minor for students who are enrolled in the Centennial Honors College and who plan careers in law. The curriculum for this minor is designed to provide students with skills and knowledge important as a foundation for the study of law. Emphasis is given to the development of effective written and oral communication, analytical and critical reasoning, and an understanding of institutions, social processes, and human values important to legal studies. Students from all majors are eligible for this honors option, and upon completion of the requirements will graduate as Honors Scholars.

- A minimum overall and honors coursework GPA of 3.40
- 21 s.h. from Categories A and B below
- 18 s.h. as honors hours with the option of 6 honors hours in General Honors
- A minimum of 12 honors hours from Categories A and B
- 18 s.h. outside of the major (one course may count toward the major and this minor)

### Category A (complete all with or without honors credit)

ACCT 200 or 201; COMM 247; PHIL 120, 140

### Category B (complete 9 s.h. with or without honors credit)

BC&J 400; B L 230; ECON 232; HIST 303; LEJA 212, 312; PHIL 420, 440; POLS 319, 402, 410, 411, 448; SOC 355, 463

## **Course Descriptions**

### **GENERAL HONORS (G H)**

**101 Freshman Humanities Tutorial. (2-3, repeatable only if second tutorial is taught by a different department) (General Education/Humanities)** Reading, writing, and discussion on topics in the humanities to be announced in advance. Designed primarily for freshmen. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced. Students may be eligible to receive WIU advanced placement credit for ENG 180 or ENG 280 but not for both ENG 180 and 280. G H 101 may be repeated only if taken in a different department; however, AP credit may be earned only once.*

**102 Freshman Social Sciences Tutorial. (2-3, repeatable for different topics) (General Education/Social Sciences)** Reading, writing, and discussion on social science topics to be announced in advance. Designed primarily for freshmen. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**103 Freshman Science and Mathematics Tutorial. (2-4, repeatable for different topics) (General Education/Natural Sciences and**

**Mathematics)** Reading, writing, and discussion on scientific and mathematical topics to be announced in advance. Designed primarily for freshmen. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**104 Freshman Science and Mathematics Tutorial with Lab. (3-4, repeatable for different topics) (General Education/Natural Sciences and Mathematics)** Laboratory analysis, reading, writing, and discussion of scientific and mathematical topics to be announced in advance. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements may be announced.*

**201 Sophomore Humanities Tutorial. (2-3, repeatable for different topics) (General Education/Humanities)** Reading, writing, and discussion on topics in the humanities to be announced in advance. Designed primarily for sophomores. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**202 Sophomore Social Sciences Tutorial. (2-3, repeatable for different topics) (General Education/Social Sciences)** Reading, writing, and discussion on social science topics to be announced in advance. Designed primarily for sophomores. *Prerequisites: Students must be*

enrolled in the Centennial Honors College. Other special requirements to be announced.

**203 Sophomore Science and Mathematics Tutorial. (2-4, repeatable for different topics) (General Education/Natural Sciences and Mathematics)** Reading, writing, and discussion on scientific and mathematical topics to be announced in advance. Designed primarily for sophomores. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**204 Sophomore Science and Mathematics Tutorial with Lab. (3-4, repeatable for different topics) (General Education/Natural Sciences and Mathematics)** Laboratory analysis, reading, writing, and discussion of scientific and mathematical topics to be announced in advance. Designed primarily for sophomores. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements may be announced.*

**207 Sophomore Multicultural Tutorial. (2-3, repeatable for different topics) (General Education/Multicultural Studies)** Reading, writing, and discussion on different topics concerning multicultural issues to be announced in advance. Designed primarily for sophomores. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**299 Honors Colloquium. (1, repeatable for different topics)** Exploration of topics focused on significant scientific and cultural achievements. Lectures, discussion, and field trips. *Field trips.*

**301 Advanced Humanities Seminar. (2-3, repeatable for different topics) (General Education/Humanities)** Reading, writing, and discussion on topics in the humanities to be announced in advance. Designed primarily for juniors. Normally a term paper and seminar presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**302 Advanced Social Sciences Seminar. (2-3, repeatable for different topics) (General Education/Social Sciences)** Reading, writing, and discussion on social science topics to be announced in advance. Designed primarily for juniors. Normally a term paper and seminar presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**303 Advanced Science and Mathematics Seminar. (2-4, repeatable for different topics) (General Education/Natural Sciences and**

**Mathematics)** Reading, writing, and discussion on scientific and mathematical topics to be announced in advance. Designed primarily for juniors. Normally a term paper and presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**333 Independent Study. (1-3, repeatable with no maximum)** Intensive study and writing on interdisciplinary topics to be approved by the Honors coordinator and faculty supervisors. *Prerequisites: Students must be enrolled in the Centennial Honors College and must have upper-division status.*

**401 Senior Humanities Seminar. (2-3, repeatable for different topics)** Reading, writing, and discussion on topics in the humanities to be announced in advance. Designed primarily for seniors. Normally a term paper and seminar presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**402 Senior Social Sciences Seminar. (2-3, repeatable for different topics)** Reading, writing, and discussion on social science topics to be announced in advance. Designed primarily for seniors. Normally a term paper and seminar presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**403 Senior Science and Mathematics Seminar. (2-4, repeatable for different topics)** Reading, writing, and discussion on scientific and mathematical topics to be announced in advance. Designed primarily for seniors. Normally a term paper and presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

**444 Independent Senior Research. (3-6, repeatable to 6)** Intensive research and preparation of an interdisciplinary senior honors thesis or project report. Topics to be approved by the Honors coordinator and a faculty supervisor. *Prerequisite: Open only to seniors who are enrolled in the Centennial Honors College.*

**499 Interdisciplinary Colloquium. (1-3, repeatable with no maximum)** Reading, writing, and discussion on interdisciplinary topics to be announced in advance. Designed primarily for upper-division honors students. Normally a term paper and seminar presentation will be required. *Prerequisites: Students must be enrolled in the Centennial Honors College. Other special requirements to be announced.*

## **Academic Departments, Programs, and Courses**

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### **Academic Departments, Programs, and Courses.....105–397**

- Accounting, Finance, Economics, and Decision Sciences School (105)
- Agriculture School (118)
- Art and Design Department (129)
- Biological Sciences Department (137)
- Broadcasting and Journalism Department (150)
- Chemistry Department (156)
- Communication Department (164)
- Computer Sciences School (169)
- Counselor Education and College Student Personnel Department (180)
- Earth, Atmospheric, and Geographic Information Sciences Department (181)
- Education School (191)
- Engineering and Technology School (205)
- English Department (220)
- Foreign Languages and Literatures Department (229)
- General Studies Degree Program (236)
- Health Sciences and Social Work Department (239)
- History Department (248)
- Interdisciplinary Minors and Courses (255)
- Kinesiology Department (261)
- Law Enforcement and Justice Administration School (272)
- Management and Marketing School (284)
- Mathematics and Philosophy Department (294)
- Military Science Program (303)
- Music School (307)
- Nursing School (320)
- Physics Department (328)
- Political Science Department (334)
- Pre-Professional and Dual Programs (340)
- Psychology Department (347)
- Race, Religion, Gender, and Multidisciplinary Studies Department (353)
- Recreation, Park, Tourism, and Hospitality Department (363)
- Sociology and Anthropology Department (371)
- Speech Pathology and Audiology Department (379)
- Teacher Education Program (382)
- Theatre and Dance Department (389)
- University Courses (396)

# **Accounting, Finance, Economics, and Decision Sciences**

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**Director:** Dr. Jessica L. Lin

**Office:** Stipes Hall 431

**Telephone:** (309) 298-1152

**Email:** afed@wiu.edu, studyaccounting@wiu.edu, studyfinance@wiu.edu,  
economics@wiu.edu, decisionanalytics@wiu.edu

**Website:** [wiu.edu/cbt/afed](http://wiu.edu/cbt/afed)

## **Program Offerings and Locations**

- Bachelor of Business in Accountancy: Macomb, Quad Cities, Online
- Bachelor of Business in Business Analytics: Macomb, Online
- Bachelor of Arts in Economics: Macomb, Online
- Bachelor of Business in Economics: Macomb, Online
- Bachelor of Business in Finance: Macomb, Online
- Minor in Accountancy: Macomb, Quad Cities, Online
- Minor in Business Analytics: Macomb
- Minor in Economics: Macomb, Quad Cities, Online
- Minor in Finance: Macomb, Quad Cities, Online

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Babin, Bogenschneider, Brennan, Chauhan, Chowdhury, Feld, Ford, Gately, Ghimire, Gray, Gupta, Lee, Lin, Lu, Ludlum, Man, Melkumian, Pillutla, Pryor, Ptukhin, Sadler, Tiwari, Valeva, Westen, Yan, Yoon, Zheng.

## **GradTrac**

GradTrac is available to Accountancy, Business Analytics, Economics (B.A. and B.B.), and Finance majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

Two integrated baccalaureate and master's degree programs are available for the Bachelor of Business in Accountancy: Master of Accountancy and Master of Business Administration. An integrated baccalaureate and master's degree program is available for the Bachelor of Business in Business Analytics: Master of Science in Applied Statistics and Decision Analytics. An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Economics: Master of Science in Quantitative Economics. Two integrated baccalaureate and master's degree programs are available for the Bachelor of Business in Economics: Master of Science in Quantitative Economics and Master of Business Administration. An integrated baccalaureate and master's degree program is available for the Bachelor of Business in

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Finance: Master of Business Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **School Information**

The School of Accounting, Finance, Economics, and Decision Sciences (AFED) offers four Bachelor of Business degree programs (Accountancy, Business Analytics, Economics, and Finance) and one Bachelor of Arts degree in Economics that provide essential technical knowledge along with the broader critical thinking skills necessary for jobs in today's competitive labor market. The Bachelor of Business degree programs are all recognized by The Association to Advance Collegiate Schools of Business (AACSB) as meeting the necessary criteria and standards to ensure a quality educational experience for all students. Along with the general business accreditation, the School of AFED is proud to also be further endorsed with the AACSB's Supplemental Accounting accreditation.

The **B.B. in Accountancy** will prepare students for the new challenges and greater opportunities that the accounting profession offers today. The degree program provides students with the accounting and communication skills they will need to succeed. Working with advanced computer software, writing reports and papers, and presenting individual and team projects are all included in the program of study.

Students enrolled in the Accountancy program who plan to take the CMA, CFE, CPA, or Enrolled Agent examinations will have the opportunity to select from the following programs:

- The Bachelor of Business (120 s.h.) with an emphasis in Management Accounting in preparation for the Certified Management Accountant (CMA) exam and the Certified Fraud Examiner (CFE) exam, or an emphasis in Taxation in preparation for the Enrolled Agent (EA) exam.
- The Master of Accountancy (150 s.h.) with an emphasis in Public Accounting and preparation for the Certified Public Accountant (CPA) exam.

The State of Illinois requires candidates for the Certified Public Accountant (CPA) examination to have completed a bachelor's degree and 150 semester hours of education. To enable students to sit for the CPA examination, the Accountancy programs at WIU provide an opportunity to obtain an additional 30 hours beyond the Bachelor of Business in Accountancy through the Master of Accountancy degree program or Integrated Baccalaureate and Master's Degree Program.

The **B.B. in Business Analytics** brings together the technical skills of data mining, forecasting, visualization, and computer programming for solving the analytical problems of the contemporary business world. Students gain experience working with industry standard software including SAS, R, and Python's Statistical libraries. The program is designed for undergraduate students interested in working at the intersection of statistical analysis, computer programming, and business problems. Along with the core classes, students have the opportunity to pursue one of 4 emphases: Applied Statistics, Business, Information Systems, or Supply Chain Management.

The B.B. in Business Analytics is one of a small handful of STEM-recognized business degrees. The STEM designation allows eligible graduates on student visas access to an Optional Practical Training (OPT) extension, up to 36 months, as compared to 12 months for non-STEM degrees.

The **B.B. in Economics** focuses upon helping students bring together traditional economic theories with modern analytics techniques to solve complex business problems. Students in this program are focused on preparing for careers as industry

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analysts or practicing business economists. Students complete a variety of courses including macroeconomics and measurement, price theory, economic problem solving, game theory, and international trade. Business Economics students are ready to help companies make data driven decisions in today's fast-changing economic climate.

The **B.A. in Economics** is a policy-focused degree that provides students with the broader critical thinking skills found in traditional economic theory while still maintaining the flexibility to pursue complementary studies. Students in the B.A. program complete coursework in applied micro and macro theory, along with electives from a wide range of policy focused courses. Students in the B.A. are well prepared for a wide array of careers, including those in law, non-profit or politics, further graduate study, or general management. A B.A. in Economics continues to rank as one of the best degrees to prepare students for the LSAT and future success in Law School.

Economics holds a unique position in the academic curriculum. It is a quantitative social science offering a unique insight into the solution of many social problems. At the same time, Economics is essential to an understanding of the business world and has many practical applications in management and financial decision-making. Students find Economics a versatile discipline that uses social science methodologies to solve interesting social and business problems.

The **B.B. in Finance** develops the skills and knowledge necessary for the management of money. Finance is concerned with the process, institutions, markets, and instruments involved in the transfer of money among and between individuals, businesses, and government. This all takes place in a world that is changing in a variety of directions, and the Finance major will learn how to make sound decisions in this constantly shifting environment. In addition to class lectures, students will learn from techniques such as computer simulation, case studies, and field trips. Students will also have the opportunity to learn from representatives of corporations and government agencies who visit as guest speakers. Required study areas for the Finance major include financial institutions, financial management, investment policy, insurance/risk management, and real estate. Additional studies may be taken in such courses as bank management, advanced financial management, security and portfolio analysis, personal and commercial lines of insurance, and real estate financing. Finance majors have excellent prospects for employment in financial institutions, brokerage or investment operations, and corporations or government agencies.

## **Degree Programs**

### **Bachelor of Business—Accountancy**

All students seeking the Bachelor of Business in Accountancy must complete I, II, III, IV.A or IV.B, V, VI, and VII below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Accountancy students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

***Note:*** *Students enrolled in this major may not minor in Pre-MBA.*

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Business Core Courses† (p. 94).....	33 s.h.
III.	Department Core Courses..... ACCT 197, 341, 342, 343, 451, 452, 460, 480, 499; CS 301	24 s.h.

## **Accounting, Finance, Economics, and Decision Sciences**

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- IV. Select one of the following emphases: ..... 6 s.h.  
A. Management Accounting  
ACCT 454, 455 ..... 6 s.h.  
B. Taxation  
ACCT 470, 471 ..... 6 s.h.
- V. Directed Electives ..... 6 s.h.  
Select additional 6 s.h. of upper-level, elective, ACCT courses, or other department approved courses
- VI. Open Electives ..... 8 s.h.
- VII. Other ..... 18 s.h.\*  
Natural Sciences/Mathematics: MATH 137 and STAT 171  
Social Sciences: ECON 231 and 232 and either PSY 100 or SOC 100  
Multicultural Studies: ECON 351
- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) ACCT 343.
- † BCOM 320 (Business Core, see p. 94) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.
- \* 18 s.h. may count towards the University General Education requirement.

### **Other Requirements**

Transfer students must complete at least 50% of their accounting courses at WIU to graduate as Accountancy majors.

### **Bachelor of Business—Business Analytics**

All students seeking the Bachelor of Business in Business Analytics must complete I, II, III, IV.A or IV.B or IV.C or IV.D, V, and VI below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

***Note:*** Students enrolled in this major may not minor in Pre-MBA.

- I. University General Education Curriculum (p. 69) ..... 43 s.h.  
(To include ECON 231, 232, 351; MATH 137; STAT 171; and either PSY 100 or SOC 100)
- II. Business Core Courses† (p. 94) ..... 33 s.h.
- III. Core Courses ..... 30 s.h.  
DS 197, 200, 421, 423, 435, 480, 485, 490, 497; ECON 332, 381, 487
- IV. Emphases of Study (select A, B, C, or D) ..... 9 s.h.  
A. Applied Statistics  
Select 9 s.h. from the following courses:  
DS 494; MATH 383; STAT 276, 471, 474, 478
- B. Business  
Select 9 s.h. from the following courses:  
ACCT 452; DS 490, 494; ECON 315, 425, 445, 470, 496; FIN 496; MKTG 329
- C. Information Systems  
Select 9 s.h. from the following courses:  
DS 494; IS 341, 342, 343, 405
- D. Supply Chain Management  
Select 9 s.h. from the following courses:  
DS 494; SCM 211, 340, 411, 453, 465, 470

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V.	Open Electives .....	2 s.h.
VI.	Other..... CS 114 or 214	3 s.h.

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- † BCOM 320 (Business Core, see p. 94) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

### **Bachelor of Arts—Economics**

All students seeking the Bachelor of Arts in Economics must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85) .....	60 s.h.
	(To include STAT 171 and any General Education Mathematics course or equivalent)	
II.	Core Courses..... ECON 197, 231*, 232*, 325, 330, 351, 381, 497	18 s.h.
III.	Directed Electives.....	15 s.h.
A.	Select 12 s.h. of upper-division Economics (ECON) or Decision Science (DS) electives, or electives from other departments as approved by department chair.....	12 s.h.
B.	Capstone Experience .....	3 s.h.
	Select one course from ECON 494, 496	
IV.	Other Requirements .....	33 s.h.
A.	ECON 350† .....	3 s.h.
B.	Any Minor.....	16 s.h.
C.	Open Electives.....	14 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved study abroad program.	
*	6 s.h. may count toward the University General Education requirement.	
†	BCOM 320 or ECON 350 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

### **Bachelor of Business—Economics**

All students seeking the Bachelor of Business in Economics must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Economics students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

**Note:** Students enrolled in this major may not minor in Pre-MBA.

## **Accounting, Finance, Economics, and Decision Sciences**

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I.	University General Education Curriculum (p. 69) .....	43 s.h. (To include ECON 231, 232, 351; MATH 137; STAT 171; and either PSY 100 or SOC 100)
II.	Business Core Courses† (p. 94).....	33 s.h.
III.	Department Core Courses.....	18 s.h. ECON 197, 331, 332, 381, 445, 471, 497; DS 421
IV.	Directed Electives.....	12 s.h.
A.	CS 301 or DS 490 .....	3 s.h.
B.	Select 6 s.h. of upper-division Economics (ECON) or Decision Science (DS) electives, or electives from other departments as approved by department chair.....	6 s.h.
C.	Capstone Experience .....	3 s.h. Select one course from ECON 487, 488, 489, 494
V.	Open Electives .....	14 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	BCOM 320 (Business Core, see p. 94) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

### **Bachelor of Business—Finance**

All students seeking the Bachelor of Business in Finance must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Finance students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

***Note:*** Students enrolled in this major may not minor in Pre-MBA.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Business Core Courses† (p. 94).....	33 s.h.
III.	Department Core Courses.....	15 s.h. CS 301; FIN 197, 341, 421, 449, 470, 499
IV.	Electives	
A.	Departmental .....	12 s.h.
	12 s.h. of 400-level Finance courses excluding FIN 460 and 461	
B.	Directed.....	3 s.h. One of the following courses: ACCT 341, 452, 460 AGEC 447 ECON 332, 425, 432 MKTG 335 Any 400-level Finance course (including 460, 461)
C.	Open.....	14 s.h.
V.	Other.....	18 s.h.* Natural Sciences/Mathematics: MATH 137 and STAT 171 Social Sciences: ECON 231 and 232 and either PSY 100 or SOC 100 Multicultural Studies: ECON 351

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- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- † BCOM 320 (Business Core) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.
- \* 18 s.h. may count toward the University General Education requirement.

## **Minors**

### **Minor in Accountancy ..... 18 s.h.**

- |  |         |
|--|---------|
| 1. ACT 201*, 202*, 341, 452 .....  | 12 s.h. |
| 2. Two of the following: ACCT 342, 343, 420 (up to 3 s.h.),<br>445, 451, 454, 455, 457, 460, 470, 471, 480 ..... | 6 s.h.  |

\*Business majors should consult with their academic advisor.

### **Minor in Business Analytics ..... 18 s.h.**

- |   |         |
|---|---------|
| 1. DS 200, 303, 435, and 490 (3 s.h.) .....   | 12 s.h. |
| 2. Select remaining hours from CS 114, 214; DS 421, 423, 480, 485;<br>ECON 332, 487, 496; FIN 496; MGT/OM 352; MKTG 329;<br>SOC 323, 324; PSY 223, 323; or other courses approved by<br>department..... | 6 s.h.  |

**Note:** Only 3 s.h. of DS 490 may be counted in the minor.

### **Minor in Economics ..... 18 s.h.**

- |  |         |
|--|---------|
| 1. ECON 231, 232 .....   | 6 s.h.  |
| 2. Economics Electives: 9 s.h. of upper division coursework is<br>required ..... | 12 s.h. |

### **Minor in Finance ..... 16 s.h.**

- |                             |        |
|-----------------------------|--------|
| 1. FIN 311 or FIN 331 ..... | 3 s.h. |
| 2. Finance Electives .....  | 9 s.h. |
| 3. Business Electives.....  | 4 s.h. |

## **Course Descriptions**

### **ACCOUNTING (ACCT)**

**197 Professional Skills Development. (0)**  
An introduction to the Accountancy major that introduces important professional development skills and other issues specific to the major.  
*Graded S/U only.*

**200 Introduction to Accounting. (3)** An introduction to financial and managerial accounting for non-business majors. The course will focus on the use of accounting information by managers. *Not open to business majors or to students who have received credit for ACCT 201.*

**201 Principles of Financial Accounting. (3)** The role of financial accounting concepts and practices in the development of information for business decisions. *Prerequisite: sophomore standing or department approval.*

*IAI: BUS 903.*

**202 Principles of Managerial Accounting. (3)** The role of managerial accounting concepts and practices in the development of information for

business decisions. *Prerequisite: ACCT 201.*  
*IAI: BUS 904.*

**307 (Cross-listed with ENGR 307) Accounting for Managers and Engineers. (3)** Covers basic financial and cost accounting concepts and techniques. Emphasis is on the use of accounting information by managers and engineers for planning, controlling, and operating decisions. *Cannot be applied towards meeting the requirements for Accountancy major or minor or Engineering major without prior approval of the Department Chair or School Director. Not open to students with credit for ACCT 201, ACCT 202, or ENGR 307. Prerequisite: junior standing.*

**341 Intermediate Accounting I. (3)** Theoretical concepts and technical procedures underlying the preparation of external financial reports for corporate business organizations. *Prerequisites: ACCT 201 with a grade of C or better.*

**342 Intermediate Accounting II. (3)** Theoretical concepts and technical procedures underlying the preparation of external financial reports for corporate business organizations. *Prerequisites: ACCT 197; ACCT 341 with a grade of C or better.*

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**343 Intermediate Accounting III. (3) (Global Issues)** Theoretical concepts and technical procedures underlying the preparation of external financial reports for corporate business organizations, including international financial reporting standards (IFRS). *Prerequisites: ACCT 341 with a grade of C or better.*

**420 Internship in Accountancy. (1-12, repeatable to 12)** One hour of credit is available for every 40 hours (120 hours minimum) of approved experience. Student is responsible for locating acceptable employment. *A maximum of 3 s.h. may be used in the major. Prerequisite: Accountancy major or minor; prior approval of department chairperson or internship coordinator; completion of ACCT 341. Graded S/U only.*

**421 Independent Study in Accountancy. (1-3, not repeatable)** Independent research on selected topics in Accountancy. *Prerequisite: approval of department chairperson.*

**445 (Cross-listed with FIN 445) Financial Modeling and Statement Analysis. (3)** Students will identify problems, analyze results, and make decisions regarding the impact on financial statements through development of models in electronic spreadsheets. Financial statements, capital budgets, risk, capital structures, takeovers, and other financial topics will be analyzed. *Not open to students with credit for FIN 445. Prerequisite: ACCT 341 or FIN 331 or permission of instructor.*

**451 Accounting Systems and Control. (3)** Introduction to the concepts and current practices in analyzing and developing organizational accounting and control systems. *Prerequisites: ACCT 341 with grade of C or better and CS 301.*

**452 (Formerly ACCT 351) Cost Accounting. (3)** A detailed study of cost allocation methods, cost accounting systems, and the complexities involved in costing products, jobs, and services. *Prerequisite: ACCT 202 with a grade of C or better.*

**453 (Cross-listed with FIN 453) Estate Planning and Taxation. (3)** This course covers various estate planning techniques to mitigate the financial risks associated with the transfer of wealth during lifetime and at death. Wills and trusts are discussed. Techniques for reducing, freezing, or eliminating gift and estate taxes are explained. *Not open to students with credit for FIN 453. Prerequisite: ACCT 460 or FIN 449 or permission of instructor.*

**454 (Formerly ACCT 352) Intermediate Managerial Accounting. (3)** A study of how accounting data is compiled and used to make profit-maximizing decisions. *Prerequisite: ACCT 202 with a grade of C or better.*

**455 Advanced Managerial Accounting. (3)** Advanced topics in cost/managerial accounting with an emphasis on tools and techniques for decision making. *Prerequisite: ACCT 452 with a grade of C or better.*

**456 CMA Preparation. (0)** Provides an overview of the Certified Management Accountant (CMA) credentialing process including the sitting requirements, examination options, and preparation methods. Students will be expected to purchase the designated review materials and follow the outlined study schedule. *Prerequisite: ACCT 452 or permission of instructor. Graded S/U only.*

**457 Fraud Examination. (3)** An examination of the principles and practices for investigating allegations of fraud and financial misconduct. Topics include the elements of fraud, red flags, document examination, interviewing techniques, and report writing. *Prerequisites: Senior standing and ACCT 200 or 201 or permission of instructor.*

**460 (Formerly ACCT 371) Tax I. (3)** A study of federal income taxation with emphasis given to researching and communicating tax topics relevant to individuals, which includes sole proprietorships. *Prerequisites: ACCT 200 or 201 with grades of C or better, and junior standing.*

**470 (Formerly ACCT 372) Tax II. (3)** A study of income taxation with emphasis given to researching and communicating tax topics relevant to corporate entities and partnerships. *Prerequisite: ACCT 460 with a grade of C or better and BL 432; or permission of instructor.*

**471 Tax Research. (3)** Tax research tools and methods are used to investigate advanced tax planning and compliance topics. *Prerequisite: ACCT 460 and 470 with grades of C or better.*

**472 EA Preparation. (0)** Provides an overview of the Enrolled Agent (EA) credentialing process including the sitting requirements, examination options, and preparation methods. Students will be expected to purchase the designated review materials and follow the outlined study schedule. *Prerequisite: ACCT 201 or permission of instructor. Graded S/U only. Materials charge for course.*

**477 Professional Ethics and Regulation. (3)** This course covers ethical issues, regulations, and decision-making frameworks that influence and govern the behavior of individuals in a variety of business contexts, including a special emphasis on the accounting and finance professions. *Prerequisite: ACCT 201 with grade of C or better, and junior standing.*

**480 Introduction to Auditing. (3)** The role and function of the auditor in the audit process and an introduction to audit standards, procedures, and principles. *Prerequisite: ACCT 342 and 451 with grades of C or better.*

**499 Accounting Knowledge Assessment. (0)** All Accountancy majors are required to complete the knowledge assessment course prior to graduation. *Prerequisites: senior standing, Accountancy major. Graded S/U only.*

## DECISION SCIENCES (DS)

**197 (Cross-listed with ECON 197) Skill and Portfolio Development. (0)** An introduction to the Business Analytics and the Economics majors that reviews important professional development skills and career explorations specific to those industries. Students will also begin developing their professional portfolios. *Not open to students with credit in ECON 197. Graded S/U only.*

**200 Introduction to Business Analytics. (3)** An introduction to the basic methods and techniques essential to the field of Business Analytics. Topics include models for summarizing and visualizing data, use of spreadsheets for examining and building decision models, and introduction to optimization and forecasting models.

**303 Applied Business Forecasting and Regression Analysis. (3)** A survey of the basic

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methods and techniques that are available for business forecasting including moving average and exponential smoothing techniques; classical decomposition; and simple, multiple, and time series regression techniques. *Prerequisite: STAT 171.*

**421 (Formerly DS 321) Data Visualization for Decision Making. (3)** This course provides an introduction to the process and methods of visualizing information for the purpose of communicating actionable findings in a decision-making context. Hands-on experience with software for sourcing, organizing, analyzing, comprehending, reducing, and visualizing data. *Not open to students who have already completed DS 521. Prerequisites: STAT 171 or DS 200 or equivalent, or consent of instructor.*

**423 Management Science Techniques and Business Analytics. (3)** An introduction to management science/operations research techniques. Students are introduced to theory and applications of linear, integer, goal, and dynamic programming models; transportation, assignment, network and inventory models; PERT/CPM, capital budgeting, and decision theory. *Not open to students who have already completed DS 523. Prerequisite: STAT 171 or equivalent.*

**435 Applied Data Mining for Business Decision-Making. (3)** This course provides an introduction to data mining methods for business applications. Students will learn the basics of data selection, preparation, statistical modeling, and analysis aimed at the identification of knowledge fulfilling organizational objectives. *Prerequisite: DS 303 or STAT 276 or consent of instructor.*

**460 Independent Study in Decision Sciences. (1-3, repeatable to 3)** Independent research on topics in Decision Sciences mutually selected by student and instructor. *Prerequisites: DS 303 and senior standing, with written consent of department chairperson.*

**480 Predictive Analytics. (3)** A survey of topics in predictive analytics methods and techniques essential for business analysts. Topics include time series regression, logistic regression, neural networks, decision trees, ensemble models, and simulation models for understanding the effect of uncertainty. *Not open to students who have already completed DS 580. Prerequisites: DS 490 or CS 114, and 6 s.h. of either STAT or DS coursework; or consent of instructor. Materials charge for course.*

**485 Big Data for Business Decision Making. (3)** This course provides an introduction to big data analytics tools and methods for business applications. Topics include exploration, classification, dimension reduction, and structured and unstructured data. Statistical software will be used to analyze business data. *Prerequisites: STAT 171, DS 200, and DS 303 or equivalent; and CS 114 or DS 490 or equivalent; or consent of instructor.*

**489 Seminar in Contextual Business Analytics. (3)** An industry, case study, focused course that explores topics relevant to applying business analytics models and theories to current corporate projects. Exact topics will change based on instructor expertise and market trends. *Prerequisite: DS 490 or CS 114, and 6 s.h. of additional DS coursework; or consent of instructor.*

**490 Statistical Software for Data Management and Decision Making. (3, repeatable to 6 for different titles)** This course provides students with the basic concepts of statistical computing. Students will gain experience with statistical software packages, such as SAS, R, or SPSS, and their applications. Methods of data preparation and validation, analysis, and reporting will be covered. *Prerequisites: STAT 171 or equivalent, and DS 303 or PSY 223 or SOC 324 or POLS 284 or equivalent; or consent of instructor.*

**494 Internship in Business Analytics. (1-12, repeatable to 12)** Supervised employment experience with an approved employer/sponsor in business analytics. *Only 3 hours per semester can be included in the major or minor. For internships that are two semesters or more in length, and with approval of the department chair, a maximum of 6 hours may be included in the major. Prerequisites: junior or senior Business Analytics major or minor, DS 200, minimum 9 additional s.h. in DS or ECON courses, and consent of department chairperson. Graded S/U only.*

**497 Senior Analytics Seminar. (0)** Preparation for post-academic success in analytics careers including job market readiness activities and developing the senior portfolio of analytics work. All Business Analytics majors are required to complete the skills assessment exam. *Prerequisites: senior standing; Business Analytics major. Graded S/U only.*

**499 Individual Research in Business Analytics. (1-3, repeatable to 3)** An independent research or study course on Business Analytics problems for selected students. *Prerequisites: junior or senior standing and consent of the department chairperson. Graded S/U only.*

## ECONOMICS (ECON)

**100 Introduction to Economics. (3) (General Education/Social Sciences)** Introduction to Economics with emphasis on application to contemporary social issues. Core concepts include price theories, money and banking, national income accounts, economic fluctuations and growth, and international economics, with special applications in criminal activity, health care, and environmental quality. *Not open to students who have already completed both ECON 231 and 232. IAI: S3 900.*

**170 The Global Economic Environment. (3)** An introduction to exchange rates, balance of payments, trade barriers, trade agreements and economic unions, relevant international institutions, ethical considerations in international dealings, and related topics. Impacts on U.S. consumers and firms will be emphasized.

**197 (Cross-listed with DS 197) Skill and Portfolio Development. (0)** An introduction to the Business Analytics and the Economics majors that reviews important professional development skills and career explorations specific to those industries. Students will also begin developing their professional portfolios. *Not open to students with credit in DS 197. Graded S/U only.*

**231 Principles of Macroeconomics. (3) (General Education/Social Sciences)** An introduction to aggregate economics—monetary and banking institutions, national income theory, business cycles, government finance and taxation,

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and the international trade.

*IAI: S3 901.*

**232 Principles of Microeconomics. (3)**  
**(General Education/Social Sciences)** This course focuses on industrial and labor organizations, supply and demand, profit maximization under varying conditions of competition, and factor pricing.

*IAI: S3 902.*

**310 Economics and Law. (3)** An introduction into the economic analysis of the basic areas of law including property, contracts, torts, criminal law, and civil law. The purpose of the course is to examine legal rules using economic concepts and methods. *Prerequisite: one of the following courses—ECON 100, 231, 232; or consent of instructor.*

**312 (Cross-listed with AGEC 312) Economics of Cannabis. (3)** A detailed survey of the cannabis industry including market analysis, regulation options, the potential impacts on the U.S. economy, and a comparison to other regulated substances such as opioids, alcohol, tobacco, and pharmaceuticals. *Not open to students with credit in AGEC 312. Prerequisite: ECON 100, 231, or 232; or permission of instructor.*

**315 Economics of Sport. (3)** The application of economic tools and concepts to the business of sport. Emphasis on economic incentives as they apply to professional sports teams and leagues as well as public policy issues impacting professionals and college athletics. *Prerequisite: ECON 100 or 231 or 232.*

**325 Monetary Policy and Applied Macroeconomics. (3)** An overview of macroeconomic theories and monetary aspects within the U.S. economy, with stress on the role of commercial banks and the Federal Reserve System in setting stabilizing monetary policies. *Prerequisites: ECON 231, ECON 232, and MATH 137 or ECON 381; or consent of instructor.*

**330 Applied Microeconomic Theory. (3)** An overview of core microeconomic models including producer and consumer choice models, equilibrium analysis, with an emphasis on welfare and policy implications. *Prerequisite: ECON 232; ECON 381 or MATH 137; or consent of instructor.*

**331 Intermediate Macroeconomics. (3)** An analysis of the determinants of inflation rates, unemployment, interest rates, and international trade. Theories of cycles of recession and recovery and policies to achieve the society's goals are examined with particular emphasis on stabilizing the economy. *Prerequisite: ECON 231; ECON 381 or MATH 137; or consent of instructor.*

**332 Managerial Economics and Price Theory. (3)** A technical review of economic theory and analysis designed for business economists and analysts. Considerable emphasis on consumer and producer choice models as they relate to price theory and managerial decision making. *Prerequisites: ECON 231, ECON 232, and MATH 137 or ECON 381; or consent of instructor.*

**350 Economics of Poverty and Discrimination. (3)**  
**(General Education/Multicultural Studies)** Application of economic tools and concepts to the nature and causes of poverty with an emphasis on discrimination. Analyzes both economic characteristics of the poor and the public policies intended to alleviate poverty and discrimination.

*Writing Instruction in the Disciplines (WID) course. Prerequisites: ECON 100 or 231 or 232; ENG 180 and 280.*

**351 Global Economic Poverty Issues. (3)**  
**(General Education/Multicultural Studies)**  
**(Global Issues)** Economic principles will be utilized to define, examine, and analyze the scope and breadth of underlying poverty-related policy issues in both developing and developed countries. *BGS online writing course. Prerequisites: junior standing or 3 s.h. of ECON credit.*

**381 Economic Problem Solving. (3)** An overview of problem-solving methods utilized in many upper-division Economics courses. Students review the techniques and general approaches to solving both microeconomic and macroeconomic problems. *Prerequisites: ECON 231 and 232; any MATH course which satisfies the University General Education requirement.*

**408 Economics for Decision-Makers. (3)** This course develops the macro- and microeconomic concepts most useful to decision-makers. Topics covered include measures of aggregate economic activity, unemployment, inflation, business cycles, monetary policy, fiscal policy, international trade, market demand and supply, and alternate market structures. *(Not open to students who have taken ECON 231 or 232. Cannot be used to meet the requirements for the B.A. or B.B. in Economics, a minor in Economics, or to meet the requirements in any B.B. degree. This course is designed for the Pre-MBA minor.) Prerequisite: junior standing and STAT 171 with a C or better.*

**410 Economics of Crime and Punishment. (3)** Uses economic principles and statistical methods to analyze trends in crime, the economic approach to modeling crime, the economic impacts from criminal behavior, as well as to evaluate various policies in criminal justice. *Prerequisite: ECON 232 and STAT 171; or permission of instructor.*

**420 Economic Development. (3)** A study of less developed countries; problems such as population growth, urbanization, agricultural transformation, unemployment, education and training, and capital formation are addressed. Solutions to these problems are examined and evaluated based on feasibility and practicality. A multi-disciplinary approach is used. *Prerequisite: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

**425 Money Markets, Capital Markets, and Monetary Theory. (3)** An institutional and theoretical study of money and capital markets in conjunction with monetary policy. *Prerequisite: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

**428 American Economic History. (3)** A study of the development of various economic institutions in the United States with special emphasis on the changing structure and performance of the economy from the colonial period to the present. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

**430 (Cross-listed with AGEC 430)**  
**Environmental Economics. (3)** This interdisciplinary course examines economic issues involving the interactions between humans and the environment. The course addresses conflicts in land, air, and water use and the role of assigned property rights and public policies

# Accounting, Finance, Economics, and Decision Sciences

in resolving environmental problems. *Not open to students with credit in AGEC 430. Prerequisite: ECON 232 or AGRI 220.*

## **432 Public Expenditures and Taxation. (3)**

Studies the role of government in promoting a system of effective markets. Includes analyses of the causes and implications of market inefficiencies, the economic rationale for government intervention in markets, and the criteria used for public investment decisions. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **433 Honors Readings in Economics.**

**(1-3, repeatable to 3)** *Prerequisite: consent of instructor. Graded S/U only.*

## **440 Labor Theory. (3)**

Understanding labor market dynamics using theory and empirical methods. Topics of focus include labor supply and demand, labor force composition and trends, human capital, wage differentials, migration, minimum wage, trade unions, and occupational licensure. *Prerequisite: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **445 Game Theory and Economic Behavior.**

**(3)** Modeling strategic interaction and solving non-cooperative games across information environments with a focus on economic behavior. Applications include pricing strategies, choosing optimal locations, auctions, bargaining, and market entry. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **465 Economics of Energy. (3)**

A study of primary and secondary sources of energy as they affect the levels of production and consumption in the economy. A general survey of the economic and regulatory problems of coal, petroleum, natural gas, and nuclear industries (including those of utilities) and brief discussion of the problems and prospects of alternative sources of energy in the context of national energy policies and individual decision-making. *Prerequisite: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **470 International Trade. (3) (Global Issues)**

A study of the theoretical and institutional aspects of international trade; effect of trade and factor movements on economic welfare; problems of international disequilibrium, and the search for economic stability and growth through international cooperation. *Prerequisite: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **471 International Monetary Economics. (3)**

A study of exchange rate determination; monetary and fiscal policy in an open economy; balance of payments crises; the choice of exchange rate systems; international debt and global financial imbalances. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **479 Microfinance in Action. (3) (Global Issues)**

An in-depth study on the role of microfinance in rural economies around the world. The course specifically examines the benefits generated by microfinance institutions with regard to countries' education, health, employment, tourism, agribusiness, finance, enterprise, and community development. *Prerequisites: ECON 231 and 232; or permission of instructor.*

## **481 Mathematical Economics. (3)**

Introduction to the mathematics most frequently used by

economists: basic set theory, linear algebra, differentiation, comparative statics, optimization, constrained optimization, and linear programming. *Prerequisite: ECON 381 (C grade or better), or passing department placement exam.*

## **487 Econometrics. (3)**

Extensions of the single equation regression model, estimation, and testing; multicollinearity, heteroskedasticity, and errors in variables; maximum likelihood estimation and binary response models; simultaneous equation models and estimation. Interpretation and application of econometric models and methods is emphasized. *Prerequisites: DS 303; ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **488 Experimental Economics. (3)**

Overview of scientific methodology relevant to studying economic decision-making. Best practices in collecting, managing, and presenting quantitative economic data and an introduction to the traditions of experimental economic design. Applied focus on software tools and project management. *Prerequisites: STAT 171 and ECON 381; or permission of instructor.*

## **489 Behavioral Economics. (3)**

Reconcile standard economic models with key psychological insights, social factors, and cognitive biases. Develops theory to describe and predict phenomena, such as loss aversion, trust, reciprocity, present bias, altruism, procrastination, self-control, stereotyping, and suboptimal investing. *Prerequisites: ECON 232, STAT 171, and MATH 137 or ECON 381; or permission of instructor.*

## **490 (Formerly ECON 390) Introduction to Health Economics. (3)**

Application of basic Economics to the health care industry. Issues surrounding the economic relationships among providers, insurers, and consumers of health care are examined in terms of market structure, economic motives, financial costs, and social costs and benefits. *Prerequisites: ECON 232 and STAT 171; or permission of instructor.*

## **494 Internship. (1-12, repeatable to 12)**

Supervised employment experience with an approved employer/sponsor. *Only 3 hours per semester can be included in the major. For internships that are two semesters or more in length, and with approval of the department chair, a maximum of 6 hours may be included in the major. Prerequisites: ECON 231, 232, one intermediate theory course, and consent of the department chairperson. Graded S/U only.*

## **495 Current Economic Issues. (3)**

*Prerequisite: ECON 231, 232, 330, 331; senior Economics major status.*

## **496 Seminar in Economics. (1-3, repeatable to 9 for different topics)**

Each offering in the series provides students with an opportunity for intensive study in specialty topics within Economics. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

## **497 Senior Knowledge Assessment. (0)**

All majors are required to submit a completed skill development portfolio and complete the knowledge assessment examination prior to graduation. *Prerequisites: senior standing; B.A. or B.B. Economics major. Graded S/U only.*

# Accounting, Finance, Economics, and Decision Sciences

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**499 Individual Research in Economics. (1-3, repeatable to 3)** Prerequisites: junior status and consent of the instructor. Graded S/U only.

## FINANCE (FIN)

**101 Financial Health. (2) (General Education/Human Well-Being)** Develops strategies for achieving and maintaining well-being through personal finance skills. Topics include well-being as it relates to cash management, credit management, sources of educational funding, rental agreements, basic investments, taxes, insurance, financial math, and career planning. *Cannot be applied towards meeting the requirements for the Finance major or minor.*

**197 Professional Skills Development. (0)** An introduction to the Finance major that introduces important professional development skills and other issues specific to the major. *Graded S/U only.*

**311 Introduction to Finance. (3)** Introductory course in the study of money and its management for non-business majors. The course is divided into three sections that encompass the major areas of Finance: financial institutions and markets, investments, and business finance. *Not available to students who are currently enrolled in or have completed FIN 331. Prerequisite: MATH 100 or higher.*

**321 Principles of Real Estate. (3)** The study of real estate with an emphasis on a broad coverage of all areas including but not limited to markets, legal concepts, financing, brokerage, appraising, and governmental influence.

**331 Financial Management I. (3)** Financial organization and the principles and practices of decision-making involving financial analysis, valuation, capital allocation, and budgeting. Cases and readings are utilized to study problems and techniques of financial analysis. *Prerequisite: ACCT 201.*

**341 Financial Institutions. (3)** A study of the major financial institutions including commercial banks, savings institutions, credit unions, mutual funds, insurance companies, securities firms, finance companies, and pension funds. *Prerequisite: MATH 100 or higher.*

**400 Finance Internship. (1-12, repeatable to 12)** Students apply finance theories in actual business practice. All internships are academically and professionally supervised. *A maximum of 3 s.h. may be used to satisfy the Finance major or minor requirements. Prerequisites: Finance major or minor, minimum junior standing, 2.75 GPA, 9 s.h. of Finance coursework, and written approval of the department chairperson. Graded S/U only.*

**401 (Formerly FIN 301) Personal Financial Planning. (3)** An introductory personal money management course. Topics studied will include managing cash income, home ownership, investments, insurance, income and estate tax planning, and retirement planning.

### 421 Real Estate Finance and Investment.

(3) The study of instruments, techniques, and institutions of real estate finance. This course analyzes mortgage and property investment risk, the secondary mortgage market, and the financial arrangements used in the financing of residential, industrial, and commercial properties, including

commercial leasing. *Prerequisite: FIN 331 or permission of instructor.*

**431 Financial Management II. (3)** Theories and practices applicable to the financial administration of the firm involving cost of capital, financial structure, dividend policy, long- and short-term financing, reorganization, and international aspects. Cases and readings are utilized to study problems and techniques of financial analysis. *Prerequisite: FIN 311 or 331.*

**441 Bank Management. (3)** A study of the functions, operations, policies, organization, management, and supervision of commercial banks. Case analysis is used to predict the financial health of operational individual banks. *Prerequisite: FIN 341.*

**445 (Cross-listed with ACCT 445) Financial Modeling and Statement Analysis. (3)** Students will identify problems, analyze results, and make decisions regarding the impact on financial statements through development of models in electronic spreadsheets. Financial statements, capital budgets, risk, capital structures, takeovers, and other financial topics will be analyzed. *Not open to students with credit for ACCT 445. Prerequisite: ACCT 341 or FIN 331 or permission of instructor.*

**449 (Formerly FIN 351) Risk Management and Insurance. (3)** The primary focus of this course is evaluating various loss exposures and analyzing the methods for managing these risks including personal lines of insurance such as auto, homeowners, life, annuity, retirement plans, and related items. *Prerequisite: MATH 100 or higher.*

**452 Commercial Property and Liability Insurance. (3)** The study of risk management techniques and concepts as they relate to commercial lines. Insurance and noninsurance techniques (such as fidelity and surety bonding) as they are used to deal with business risks are examined. *Prerequisite: FIN 449 or permission of instructor.*

**453 (Cross-listed with ACCT 453) Estate Planning and Taxation. (3)** This course covers various estate planning techniques to mitigate the financial risks associated with the transfer of wealth during lifetime and at death. Wills and trusts are discussed. Techniques for reducing, freezing, or eliminating gift and estate taxes are explained. *Not open to students with credit for ACCT 453. Prerequisite: ACCT 460 or FIN 449 or permission of instructor.*

**460, 461 Independent Study in Finance I, II. (1-3 each, not repeatable)** Prerequisite: Finance major or minor, 2.75 GPA or higher, 12 s.h. of Finance coursework, and written permission of instructor and chairperson.

**470 (Formerly FIN 371) Investments. (3)** Presents a foundation in investments examining various types of financial instruments, the issuance and trade of securities, mutual funds, theory of risk and return, modern portfolio theory, capital asset pricing model, bond prices and yields, bond portfolios, and equity analysis. *Prerequisite: MATH 100 or higher.*

**471 Investment Security Analysis. (3)** A foundation in security analysis focusing on common stock valuation. The topics include basics of portfolio theory, framework of stock investing, financial statement analysis, return concepts,

## **Accounting, Finance, Economics, and Decision Sciences**

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absolute valuation models, and relative valuation techniques. *Prerequisite: FIN 331 or FIN 470.*

**Seminars in Finance. (3)** Each offering in this series is designed to provide students with an opportunity for intensive study in current theory and unresolved problems in the selected area. *Open to Finance majors or minors in their senior year.*

**493 Seminar in Banking. (3)** This bank course integrates a risk/reward framework based on theory with an intensive study of current issues. Unresolved problems are discussed as they relate to the financial industry both domestically and abroad, the regulatory environment, and the economy. *Open to Finance majors or minors in their senior year. Prerequisite: FIN 341.*

**495 Seminar in Real Estate. (3)** *Open to Finance majors or minors in their senior year. Prerequisite: FIN 321 or permission of instructor.*

**496 Futures and Options Markets. (3)** The course presents a foundation in futures and options contracts examining the types of contracts, structure of the markets, pricing of contracts, and applications in risk management. *Prerequisite: FIN 311 or 331 or equivalent.*

**497 International Financial Management. (3) (Global Issues)** This course presents the globalization factors, tools, and techniques encountered/employed by a corporation's financial management team. Content examples include differing country-specific economic strengths, political risks, tax systems, exchange rate risks, and methods to reduce these risks. *Prerequisite: FIN 311 or 331.*

**499 Finance Knowledge Assessment. (0)** All Finance majors are required to satisfactorily complete the knowledge assessment examination prior to graduation. *Prerequisites: senior standing, Finance major. Graded S/U only.*

# **Agriculture**

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## **Program Offerings and Locations**

- Bachelor of Science in Agriculture: Macomb
- Minor in Agricultural Economics: Macomb
- Minor in Agricultural Technology Management: Macomb
- Minor in Agriculture: Macomb
- Minor in Agronomy: Macomb
- Minor in Animal Science: Macomb
- Minor in Cannabis Cultivation: Macomb
- Minor in Community Forestry: Macomb
- Minor in Horticulture: Macomb
- Minor in Natural Resources Conservation: Macomb
- Minor in Plant Breeding: Macomb
- Minor in Precision Agriculture: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Andrango, Atherton, Bacon, Baker, Blome, Franken, Gruver, Henning, Hoge, Knupp, Phippen, Trennepohl.

## **GradTrac**

GradTrac is available to Agriculture majors with an option in Agricultural Business or Agricultural Science. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Agriculture: Master of Business Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## School Information

Students majoring in Agriculture are provided with a broad education including the physical, biological, and social sciences as well as technical agriculture. Graduates generally enter four diverse areas: (1) business and industry, (2) agricultural production, (3) research, teaching, and graduate studies, and (4) government work.

Learning how to feed the world is the central theme of the three major program options and the pre-professional programs that Agriculture students may choose to study. Students may choose to study Agricultural Business, Agricultural Education, or Agricultural Science. Agricultural minors are available in Agriculture, Agricultural Economics, Agricultural Technology Management, Agronomy, Animal Science, Cannabis Cultivation, Horticulture, Natural Resources Conservation, Plant Breeding, and Precision Agriculture. Pre-professional programs in Forestry and Veterinary Medicine are also available. The pre-professional programs are designed to prepare students for professional study at other universities at the graduate level.

Career opportunities are available in the following occupational clusters:

- Agricultural Business
- Agricultural Education
- Agricultural Finance/Management
- Agricultural Marketing
- Agricultural Technology Management
- Agronomy
- Animal Science
- Cannabis Cultivation
- Farm Operations
- Horticulture/Landscape Management
- Natural Resources Conservation
- Precision Agriculture
- Urban Forestry

## Degree Program

### Bachelor of Science—Agriculture

All students seeking the Bachelor of Science in Agriculture must complete I, II, and III.A, III.B, or III.C below, and the foreign language/global issues requirement for the major#. Students majoring in Agriculture may choose one of three options—Agricultural Business, Agricultural Science, or Agriculture—Teacher Education. Within each option, a student may choose an area of technical competency or specialization. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A maximum of 6 s.h. of unstructured classes (AGRI 200, 301, 400, 481, 499) may be counted in the major. A minimum of 24 s.h. of Agriculture classes must be taken at WIU or other four-year institutions. A maximum of 29 s.h. may be taken in coursework which would be considered part of a major or minor in traditional business disciplines (Accountancy, Business Law, Business and Technology, Decision Sciences, Finance, Human Resource Management, Management, Marketing, Operations Management, and Supply Chain Management).

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

# Agriculture

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I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	9 s.h.
	AGRI 120, 220, 320, 340†, 420	
III.	Options of Study (select A, B, or C)	
A.	Agricultural Business	
1.	Special Courses: AGEC 333, 342, and 349 .....	10 s.h.
2.	Agriculture Electives	
a.	Select one course from three of the following five groups:.....	9-11 s.h.
1)	AGTM 207 or 250	
2)	AGRN 176 or HORT 180	
3)	AGRN 278	
4)	ANSC 112 or ANSC 310	
5)	FOR 200 or FOR 308	
b.	Additional courses from the School of Agriculture to be selected in consultation with the student's academic advisor .....	20-22 s.h.
3.	Other Requirements*	
a.	ACCT 201, 202 .....	6 s.h.
b.	AGEC 443, FIN 311, FIN 331, or FIN 401.....	3 s.h.
c.	ECON 231, 232.....	6 s.h.
d.	MATH 123 or higher level.....	3 s.h.
e.	MATH 137 or STAT 171.....	3 s.h.
f.	Select 6 s.h. from the following:..... CHIN/FR/GER/JPN/ SPAN 121, 122, 223, 224; COMM 130; PHIL 100, 120, 140, 205	6 s.h.
g.	Select one course from the following:..... COMM 235; GEOG 100; POLS 101, 122, 200, 228, 267; PSY 100; SOC 100	3 s.h.
h.	Select one course from the following:..... BOT 200; CHEM 101, 201; GEOG 121; GEOL 110; GIS 108; METR 120; MICR 200; PHYS 114, 115, 211; ZOOL 200	4 s.h.
4.	Open Electives.....	16-18 s.h.
B.	Agricultural Science	
1.	Agriculture Electives	
a.	Select one course from four of the following six groups:.....	12-16 s.h.
1)	AGTM 207 or 250	
2)	AGRN 176 or HORT 180	
3)	AGRN 278	
4)	ANSC 112 or ANSC 310	
5)	AGEC 333 or AGEC 349	
6)	FOR 200 or FOR 308	
b.	Additional courses from the School of Agriculture to be selected in consultation with the student's academic advisor .....	25-26 s.h.
<b>Note:</b>	Student must have 49 s.h. in major.	
2.	Other Requirements&	
a.	CS 101.....	3 s.h.
b.	MATH 102, 123, or higher level, or STAT 171 .....	3 s.h.
c.	Select three courses from the following group (must include one course in Biology and one in Chemistry):.....	12 s.h.
	BOT 200; CHEM 101, 102, 201, 202; GEOG 121; GEOL 110;	
	GIS 108; METR 120; MICR 200; PHYS 114, 115, 211; ZOOL 200	
3.	Open Electives.....	20 s.h.

## C. Agriculture—Teacher Education

The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Teacher Education will require additional hours beyond 120 s.h.

1. Special Courses: AGED 131, 330, and 331 ..... 7 s.h.
2. Agriculture Electives
  - a. Select one course from three of the following four groups: ..... 10 s.h.
    - 1) AGTM 250
    - 2) AGRN 176 or HORT 180
    - 3) AGRN 278
    - 4) ANSC 112 or ANSC 310
  - b. AGEC 333 or 349; AGTM 360 or 368; AGRN 373, 377, or 378; ANSC 310, 319, or 322 ..... 12–16 s.h.
  - c. Additional courses from the School of Agriculture to be selected in consultation with the student's academic advisor ..... 6–10 s.h.

**Note:** Student must have 48 s.h. in major.

### 3. Other Requirements<sup>\*</sup>

- a. BOT 200 or ZOOL 200 ..... 4 s.h.
- b. CHEM 101 or 201 ..... 4 s.h.
- c. HIST 105 or 106 ..... 3 s.h.
- d. MATH 102, 123, or higher level, or STAT 171 ..... 3 s.h.
- e. POLS 122 ..... 3 s.h.
- f. Select one additional course from the following: ..... 4 s.h.  
BOT 200; CHEM 102, 202; GEOG 121; GEOL 110; GIS 108;  
METR 120; MICR 200; PHYS 114, 115, 211; ZOOL 200

### 4. Professional Education<sup>†</sup>

- a. EDUC 439 ..... 3 s.h.
- b. EDS 202, 301, 305, 401 ..... 10 s.h.
- c. SPED 390 ..... 3 s.h.
- d. ENG 366 or RDG 387 ..... 2 s.h.
- e. STCH 480 ..... 12 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

† AGRI 340 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

\* 25 s.h. may count toward the University General Education requirement.

& 10 s.h. may count toward the University General Education requirement.

@ 16 s.h. may count toward the University General Education requirement.

^ 3 s.h. may count toward the University General Education requirement.

## Minors

### Minor in Agriculture ..... 18 s.h.

1. Select at least three courses from the following: ..... 9–11 s.h.  
AGRN 176, 278; ANSC 112; AGTM 207, 250; FOR 200;  
HORT 180
2. Select additional hours from the School of Agriculture\*\* ..... 7–9 s.h.  
\*\*6 s.h. must be upper division at WIU.

# **Agriculture**

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## **Minor in Agricultural Economics ..... 16 s.h.**

Electives chosen from:

Courses in Agricultural Economics (AGEC prefix)\*

AGRI 220

AGRI 390

\*At least 6 s.h. of upper-division coursework in Agricultural Economics (AGEC) and/or AGRI 390 must be completed at WIU.

## **Minor in Agricultural Technology Management ..... 16 s.h.**

Electives in Agricultural Technology Management.\*

\*At least 6 s.h. of upper-division coursework in Agricultural Technology Management (AGTM) required at WIU.

## **Minor in Agronomy ..... 18 s.h.**

1. AGRN 176, 278 ..... 8 s.h.
2. Select at least one of the following courses: ..... 3–4 s.h.  
AGRI 376; AGRN 373, 377, 470, 472, 476, 479; AGRN/HORT 374
3. Select at least one of the following courses: ..... 3 s.h.  
AGRN 378, 473, 478
4. Select at least one more course listed in #2 or #3 above,  
or from CONS ..... 3–4 s.h.

## **Minor in Animal Science ..... 18–20 s.h.**

1. ANSC 112 ..... 3 s.h.
2. Electives in Animal Science ..... 9 s.h.
3. Select one of the following courses:  
ANSC 322, 314, 424 ..... 3–4 s.h.
4. Select one of the following courses:  
AGRI 376; CHEM 100, 101, 201 ..... 3–4 s.h.

## **Minor in Cannabis Cultivation ..... 18 s.h.**

1. Select one of the following:  
AGRN 176, BOT 200, or HORT 180 ..... 4 s.h.
2. BOT/HORT 357 ..... 3 s.h.
3. Select at least 11 s.h. from the following:
  - a. Cultivation Courses: AGRN 373; AGRN/HORT 374; BOT 329, 430; HORT 393, 483, 493
  - b. Genetics Courses: AGRI 376 or BIOL 340; AGRN 472, 476; HORT 493

## **Minor in Community Forestry ..... 18 s.h.**

1. FOR 200 or HORT 180 ..... 3–4 s.h.
2. FOR 308, 406 ..... 8 s.h.
3. FOR 209 or 407 ..... 2–3 s.h.
4. Select 3–5 s.h. from the following courses: ..... 3–5 s.h.  
AGRN 278; FOR 209 or 407 (if not used in #3, above); GIS 108, 201, 202; HORT 374, 384

## **Minor in Horticulture ..... 18 s.h.**

See Interdisciplinary Minors (p. 256).

**Minor in Natural Resources Conservation.....16 s.h.**

1. AGRN 278.....4 s.h.
2. One of the following: CONS 405 or GEOG 426.....3-4 s.h.
3. Remaining electives to be selected by the student and minor advisor.....8-9 s.h.  
Select three of the following courses: BOT 452; CONS 305; FOR 200, 308, 406, 407; GEOL 110; HORT 485; MICR 200; RPTA 376, 487, 488; ZOOL 451

**Minor in Plant Breeding.....18-22 s.h.**

1. AGRN 176 or HORT 180 or BOT 200.....3-4 s.h.
2. AGRI 376 or BIOL 340.....3-4 s.h.
3. AGRN 472 and 476.....6 s.h.
4. Select two courses from the following: AGRN 373, 378, 470; AGRN/HORT 374; BIOL 330; BOT 320, 329, 430, 481; CHEM 421; HORT 480; STAT 171 .....6-8 s.h.

**Minor in Precision Agriculture.....18 s.h.**

1. AGTM 207, 471, 472; GIS 201 .....12 s.h.
2. Select at least two of the following courses: AGRN 373, 377, 378, 473, 479; AGRN/HORT 374; AGTM 350, 464; CONS 305, 405; CS 470, 491; GIS 309, 405; ET 477, 481 .....6 s.h.

## Pre-Professional Programs

Pre-professional programs in Forestry and Veterinary Medicine are available. See Pre-Professional Programs (pp. 341, 344) for a detailed description of the requirements.

## Course Descriptions

### AGRICULTURE (AGRI)

**120 Agriculture in Today's Society. (1)** General orientation to modern agriculture. A study of career opportunities in industry, business, production agriculture, teaching, resource management, and environment control. *1 hr. lect.*

**200 Special Topics in Agriculture. (1-3, repeatable to 3 for different topics)** Selection of a current issue in agriculture. Review of literature, discussions, and preparation of a term paper. *Prerequisite: approval of department chairperson. Arranged.*

**220 Introduction to Agribusiness Concepts. (3)** A survey of and introduction to agricultural management concepts and general knowledge base needed to operate a small profit-oriented agribusiness in today's competitive environment. *3 hrs. lect.*

*IAI: AG 901.*

**301 Agricultural Internship. (4-12, repeatable to 12)** Student will work with an approved agricultural industry and obtain experience in a number of business-related activities such as management, sales, research, and public relations. *Prerequisites: 54 s.h. of academic credit and approval of instructor. A cumulative and major GPA of 2.25 required at time of application (semester prior to internship). Arranged.*

**320 Success Strategies in Agriculture. (2)** Topics in applied life sciences—strategies for success. Topics will include problem solving,

communication, interpersonal relations, resume preparation, and interviewing. Student participation will be emphasized. *Prerequisite: AGRI 220 and junior standing. 2 hrs. lect.*

**340 Communicating Agricultural Issues. (2)** Development of written and oral communication skills to address current issues in agriculture. *Writing Instruction in the Disciplines (WID) course. Prerequisites: AGRI 220 and ENG 280.*

**376 Applied Genetics in Agriculture. (3)** A basic understanding of heredity and genetic analysis with an emphasis on agricultural plant and animal systems. Social implications of manipulating genetics in agriculture will be addressed. *Prerequisites: AGRN 176 or HORT 180 or BOT 200 or ZOOL 200. 2 hrs. lect.; 2 hrs. lab.*

**390 Agricultural Sales. (3)** Professional agri-selling and sales process. Topics include methods of selling, steps and techniques in the selling process, customer service, sales ethics, consumer behavior concepts, and sales management in agriculture. *Prerequisites: AGRI 220 or ECON 232, and AGEC 333 or MKTG 327.*

**400 Special Topics in Agriculture. (1-3, repeatable to 3 for different topics)** Review of literature, lectures, and preparation of a term paper. *Prerequisite: approval of department chairperson. Arranged.*

**420 Personal Development and Leadership in Agriculture. (1)** Personal leadership skills will be developed as students explore historical and current views of social, cultural, and technological issues and the associated social changes in agriculture. Styles and roles of

# Agriculture

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leadership in agricultural organizations including group dynamics, conflict resolution, ethical considerations, and communications will be covered. *Prerequisite: AGRI 340. 1 hr. lect.*

**481 Special Problems. (1-3, repeatable to 3 for different topics)** Laboratory work involving experiments in student's major interest. *Prerequisites: at least junior standing and approval of department chairperson. Arranged.*

**499 Research. (1-6, repeatable to 8 for different topics)** Original independent research on specific problems in agriculture. *Prerequisite: approval of department chairperson.*

## AGRICULTURAL ECONOMICS (AGEC)

**312 (Cross-listed with ECON 312) Economics of Cannabis.** (3) A detailed survey of the cannabis industry including market analysis, regulation options, the potential impacts on the U.S. economy, and a comparison to other regulated substances such as opioids, alcohol, tobacco, and pharmaceuticals. *Not open to students with credit in ECON 312. Prerequisite: ECON 100, 231, or 232; or permission of instructor.*

**333 Agricultural Marketing.** (3) Principles of marketing agricultural products. *Prerequisite: AGRI 220 or ECON 232. 3 hrs. lect.*

**342 Agricultural Law.** (3) Law as it applies to the agricultural operation. Partnership, corporation, agribusiness contracts, leases, leasing practices, environmental, tort and liability law are covered. *Prerequisite: AGRI 220. 3 hrs. lect.*

**349 Agribusiness Management.** (4) A study of intermediate level agricultural management tools to create a conceptual framework for successfully operating a profit-based agribusiness. *Prerequisite: AGRI 220; or ECON 231 and 232. 4 hrs. lect.*

**430 (Cross-listed with ECON 430) Environmental Economics.** (3) This interdisciplinary course examines economic issues involving the interactions between humans and the environment. The course addresses conflicts in land, air, and water use and the role of assigned property rights and public policies in resolving environmental problems. *Not open to students with credit in ECON 430. Prerequisite: AGRI 220 or ECON 232.*

**437 (Formerly AGEC 337) US Agricultural Trade.** (3) Overview of U.S. agricultural trade; examination of issues that impact international agricultural trade, including trade agreements, country-of-origin labeling, food safety, and risk assessments; examination of changes in world agricultural production and trade patterns over time. *Prerequisites: AGRI 220 or ECON 231.*

**442 Marketing Grain and Livestock Products.** (3) Economic principles of marketing grain and livestock, with an emphasis on the marketing activities of producers and distributors of grain, livestock, and their products. Risk and quality management issues are included. *Prerequisite: AGEC 333. 3 hrs. lect.*

**443 Agricultural Finance.** (3) Financing problems and opportunities in agriculture. Sources of finance, financing costs, analysis of investment opportunities, and financial

management and estate planning. *Prerequisite: AGRI 220 or ECON 232. 3 hrs. lect.*

**447 Commodities Markets and Futures Trading.** (3) Futures trading institutions, technical analysis, multiple hedging, and speculation. *Prerequisite: AGEC 333 or ECON 330 or ECON 332 or FIN 311 or FIN 331. 3 hrs. lect.*

**455 Advanced Agricultural Marketing.** (3) Options on futures, applied research methods, current events. *Not available to students who have completed AGEC 456. Prerequisite: AGEC 447. 3 hrs. lect.*

**457 Market Profile®.** (3) Use of the Chicago Board of Trade Market Profile® and Liquidity Data Bank® for hedging and speculation. *Not available to students who have completed AGEC 459. Prerequisite: AGEC 447. 3 hrs. lect.*

**460 US Agricultural Policy.** (3) Examination of U.S. agricultural policies, with an emphasis on current farm legislation and regulation. Includes analysis of the impact of contemporary agricultural policies on farming operations. *Prerequisite: AGRI 220 or ECON 231 or ECON 232.*

## AGRICULTURAL TECHNOLOGY MANAGEMENT (AGTM)

**207 Introduction to Precision Agriculture.** (3) Course introduces fundamental components of precision agriculture. Topics include: the global positioning system (GPS), geographic information systems (GIS), remote sensing, yield monitoring, variable rate application (VRA), and analysis and decision making for agriculture. *3 hrs. lect.  
IAI: AG 907.*

**250 Introduction to Agricultural Technology Management.** (3) Introduction to electrification, surveying, internal combustion engines, metallurgy, and concrete and wood construction used in agriculture. *2 hrs. lect.; 2 hrs. lab.  
IAI: AG 906.*

**350 Agricultural Machinery.** (3) Principles of owning, operating, and adjusting equipment for tillage, planting, harvesting, and chemical application. Principles, application, and repair of agricultural hydraulic systems. *Prerequisite: AGTM 250 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

**360 Electrical Power and Equipment in Agriculture.** (3) Principles of electricity and its application to wiring buildings, electric motors, automatic controls, and solid-state equipment used in agriculture. *Prerequisite: AGTM 250 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

**365 Agricultural Tractors and Engines.** (3) Operating principles of gasoline and diesel engines, power trains, and fuel and electrical systems. Overhaul of both gasoline and diesel engines. *Prerequisite: AGTM 250 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

**368 Agricultural Shop Skills.** (4) Principles and skills in metal and welding fabrication, wood working, plumbing, and repairs related to agriculture. *Prerequisite: AGTM 250. 2 hrs. lect.; 4 hrs. lab.*

**464 Grain Drying, Handling, and Storage Systems.** (3) Application of engineering principles pertaining to drying, storing, and

handling of agricultural products. *Prerequisite: junior standing. 3 hrs. lect.*

### **471 Agricultural Remote Sensing. (3)**

Course addresses concepts of remote sensing for precision agriculture. Some topics include: global positioning system (GPS) accuracy and differential GPS; vegetative spectral reflectance signatures, multispectral and hyperspectral imagery, indices, and various analysis techniques for agricultural datasets. *Prerequisites: AGTM 207 or GIS 201, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

### **472 Agricultural Analysis and Decision Making. (3)**

Course presents methods for analysis of agricultural data to facilitate data-driven decision making for precision agriculture. Some topics include: map scale and projection, coordinate systems, soil nutrient maps, yield maps, interpolation and analysis methods, and creation of prescription maps. *Prerequisites: AGTM 207 or GIS 201, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

## **AGRICULTURAL EDUCATION (AGED)**

### **131 Introduction to Agriculture Education.**

(2) Introduction to principles of vocational education, nature of agriculture teaching, teacher responsibilities, and agricultural education as a career. *2 hrs. lect.*

*IAI: AG 911.*

### **330 Summer Experience in Agriculture**

**Education. (2)** Supervised experiences in a summer program in agriculture education. C- grade or above required to receive credit for the course to fulfill part of the observation hour requirement. *Prerequisite: consent of instructor. Laboratory charge for course.*

### **331 Program Organization in Agriculture**

**Education. (3)** Program organization and development of learning activities in agriculture education including program planning, supervised agriculture experiences, FFA, federal, state and local program structure. *Laboratory charge for course. 3 hrs. lect.*

### **439 Special Methods in Agriculture. (3)**

Analysis of objectives, selection, development, and organization of teaching units; development of procedural techniques, program implementation, and evaluation. Includes clinical experience. *Grade of C required in this class. Prerequisite: consent of instructor. 3 hrs. lect.*

### **480 Student Teaching. (12)** See STCH 480.

## **AGRONOMY (AGRN)**

### **(Crops)**

**176 Principles of Crop Science. (4)** Introduction to science-based principles underlying plant production, including: classification and use of major world crops; plant growth and development in response to environment and management; plant pests and pest protection; plant breeding and genetic improvement. *Not open to students with credit for HORT 180. 3 hrs. lect.; 2 hrs. lab.*

*IAI: AG 903.*

**370 No-Tillage Farming. (2)** An exploration of environmental benefits from no-tillage crop production, the influence of microclimatic

factors on the success of crop plants in no-till fields, and management tactics to increase the productivity and environmental benefits of no-till farming. *Prerequisite: AGRN 176 and 278. 2 hrs. lect.*

### **372 Crop Science Judging. (1)**

Preparation for regional and national crop judging contests. Identifying crops and crop pests; troubleshooting crop problems; and calculating agronomy, pest control, and fertility scenarios. *Prerequisite: AGRN 176 or 278, or consent of instructor. 2 hrs. lab.*

### **373 Integrated Pest Management. (4)**

Identification and biology of economically-important weeds, insects, diseases, and vertebrate pests affecting plants. Selection and use of effective biological, cultural, chemical, and mechanical pest control methods. Safe handling and application of pesticides. *Prerequisite: AGRN 176. 3 hrs. lect.; 2 hrs. lab.*

### **374 (Cross-listed with HORT 374) Diseases**

**of Economic Plants. (3)** Identification of agricultural plant diseases; biology of common plant pathogens; pathogen-plant interactions; fungicide classification and use; management of plant diseases through chemical, cultural, biological, and mechanical control methods. *Not open to students with credit in HORT 374. Prerequisite: AGRN 176 or FOR 200 or HORT 180. 2 hrs. lect.; 2 hrs. lab.*

### **377 Crop Ecology and Management. (4)**

Grain and forage crops response to climate and management of soil and water resources. Crop management practices that maximize productivity and minimize environmental impact. *Prerequisite: AGRN 176. 4 hrs. lect.*

### **470 Applied Entomology. (3)**

Life cycles, recognition of economic damage, and integrated control of insects affecting crop and livestock production. *Prerequisite: AGRN 176. 2 hrs. lect.; 2 hrs. lab.*

### **472 Principles of Plant Breeding. (3)**

Traditional plant breeding course covering basic inheritance of qualitative and quantitative traits, tools for dealing with variations in ploidy levels and mutations, germplasm resources, breeding methods for self and cross pollinated species, hybrid production, vegetatively propagated crops, and seed production. *Prerequisite: AGRI 376 or BIOL 340. 2 hrs. lect.; 2 hrs. lab.*

### **476 Crop Biotechnology. (3)**

Biotechnology methods used for the genetic improvement and production of agronomic and ornamental crops. Government regulations, public concerns, and legal protection of genetically modified crops will be covered. *Prerequisite: AGRI 376 or BIOL 340. 2 hrs. lect.; 2 hrs. lab.*

### **477 Weed Science Competition. (1)**

Students will prepare for a regional weed science contest by learning to identify weeds and herbicide symptoms, troubleshoot crop problems, calibrate sprayers, and calculate agronomy application problems. *Prerequisite: AGRN 176 or 278, or consent of instructor. 2 hrs. lab.*

### **479 Weed Science. (3)**

Identification, biology, and distribution of weeds; weed interference of desirable plant growth; herbicide classification, use, and environmental fate; appropriate application of chemical, cultural, biological, and mechanical weed control methods. *Prerequisite: AGRN 373. 2 hrs. lect.; 2 hrs. lab.*

# Agriculture

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## (Soils)

### **278 Fundamentals of Soil Science. (4)**

Introduction to principles of soil science. Fundamentals of physical, chemical, biological, and agricultural properties of soils. 3 hrs. lect.; 2 hrs. lab.

*IAI: AG 904.*

### **378 Soil Fertility and Plant Nutrition. (3)**

Fundamental chemicals needed for plant growth. Chemical forms of elements in the soil, reactions of fertilizers in soils, determination of fertilizer needs, soil test methods. *Prerequisite: AGRN 278.* 3 hrs. lect.

### **473 Nutrient Management. (3)**

Properties of plant food materials used in world agriculture, manufacturing methods, marketing systems, government policy, field application, economics of management and use. *Prerequisites: AGRN 378 and CHEM 101 or 201.* 3 hrs. lect.

### **478 Properties of Soil. (3)**

A study of the physical and chemical properties of soil and their relationship to plant growth and land use. *Prerequisite: AGRN 278.* 2 hrs. lect.; 2 hrs. lab.

## ANIMAL SCIENCE (ANS) ---

### **112 Fundamentals of Animal Science. (3)**

Application of fundamental biological principles as related to the nutrition, reproduction, and management of livestock. 2 hrs. lect.; 2 hrs. lab.

*IAI: AG 902.*

### **280 Pre-Veterinary Sciences. (3)**

Explore the broad field of veterinary medicine, including the role of veterinarians, veterinary technicians, and veterinary assistants; basic veterinary terminology, diagnostic tools, and veterinary practice. The non-clinical aspects of veterinary medicine will also be explored. 2 hrs. lect.; 2 hrs. lab.

### **310 Man and Animal Interaction. (3)**

Interaction of man with companion, domestic, and wild animals. Consideration of wide ranging societal concerns including food production, companionship benefits, impact of wild animals in urban and rural settings, animal and human disease risks, and animal welfare and rights issues. 3 hrs. lect.

### **312 Techniques in Livestock Evaluation and Selection. (3)**

Evaluation and selection of breeding and market animals utilizing new selection tools and techniques and visual appraisal. *Prerequisite: ANSC 112.* 2 hrs. lect.; 2 hrs. lab.

### **314 Animal Breeding. (3)**

The principles of heredity and their application to the problems of animal improvement. *Prerequisites: AGR 376, ANSC 112, BOT 200 or ZOOL 200, and MATH 102 or 123 or STAT 171.* 3 hrs. lect.

### **319 Applied Meat Science. (4)**

Evaluation, grading, and marketing of meat animals and meat products including swine, beef, lamb, and poultry. Factors affecting meat palatability. Qualifies student for federal, state, and local internships. *Prerequisite: at least junior standing.* 3 hrs. lect.; 2 hrs. lab.

### **322 Applied Livestock Nutrition and Feeding. (4)**

Composition of feed/nutrients and their functions, formulating/balancing of rations, and the basic chemical and physiological principles

of ruminant and non-ruminant nutrition. Consideration of common nutrition problems, feed additives, and growth stimulants. *Prerequisites: ANSC 112 and CHEM 100 or higher.* 3 hrs. lect.; 2 hrs. lab.

### **323 Livestock Management. (3)**

A study of management practices necessary for efficient and economical livestock production. *Not open to students specializing in Animal Science.* *Prerequisite: ANSC 112.* 3 hrs. lect.

### **335 Livestock Merchandising. (3)**

Methods of livestock promotion and merchandising. Preparation of livestock for sale. Scheduling and management of livestock sales. *Prerequisites: ANSC 112 and junior standing.* 2 hrs. lect.; 2 hrs. lab.

### **413 Livestock Judging. (3)**

Evaluation, grading, selection, and pricing of market and breeding livestock. Some enrollees will compete in intercollegiate contests. *Prerequisite: ANSC 312.* 2 hrs. lect.; 2 hrs. lab.

### **415 Beef Production and Management.**

**(4)** Consideration of commercial cow-calf, purebred, stocker, and finishing beef production systems. Integration of genetics, nutrition, and reproduction. Record keeping and business aspects. *Prerequisites: ANSC 314 and 322, or consent of the instructor.* 3 hrs. lect.; 2 hrs. lab.

### **416 Swine Science. (3)**

A study of selection principles, nutrition, breeding, reproduction, disease prevention, and management practices applied to swine production. *Prerequisites: ANSC 314 and 322, or consent of the instructor.* 2 hrs. lect.; 2 hrs. lab.

### **419 Sheep Science. (3)**

Breeds, feeding, and selection as applied to management of the farm flock. *Prerequisites: ANSC 314 and 322, or consent of the instructor.* 2 hrs. lect.; 2 hrs. lab.

### **424 Physiology of Reproduction and Lactation.**

**(3)** Principles of physiology and functioning of the endocrine system in relationship to reproduction, infertility, and lactation in farm animals. *Prerequisite: ANSC 112 or BOT 200 or ZOOL 200.* 2 hrs. lect.; 2 hrs. lab.

## CONSERVATION (CONS) ---

### **305 Sustainable Agriculture. (3)**

An investigation of current and historical efforts to increase agricultural sustainability through government programs, research and technological development, organic agriculture, grassroots activism, and the greening of industry. *Prerequisite: AGRN 278 or permission of the instructor.*

### **409 Soil and Water Conservation. (4)**

The study of the maintenance of a quality environment through the conservation of soil and water resources. 4 hrs. lect.

## FORESTRY (FOR) ---

### **200 Principles of Community Forestry. (3)**

Introduction to science-based principles and skills used by community forestry industry, including: benefits of trees and forests, tree anatomy and biology, forest ecology, urban forestry, agroforestry, tree ID, chainsaw safety, tree climbing, forestry measurement methods,

and invasive species management. 2 hrs. lect.; 2 hrs. lab.

### **209 Tree Climbing, Pruning, and Removal.**

(2) Learn and practice safe climbing techniques used by the community forestry industry; learn about and practice with tree care tools used to safely prune and remove trees; prepare to earn an ISA Certified Arborist and Certified Tree Worker credential. 1 hr. lect.; 2 hrs. lab.

### **308 (Formerly FOR 208) Woody Plant Identification and Dendrology. (4)**

Identification, distribution, economic importance, and growing requirements of common native and ornamental deciduous and evergreen trees and woody shrubs for use in urban and rural landscapes and agroforestry. Prepare students for portions of the ISA Certified Arborist exam. *Not open to students with credit for HORT 380.* Prerequisite: FOR 200 or HORT 180 or permission of instructor. 2 hrs. lect.; 4 hrs. lab.

### **406 Tree Care Science—Arboriculture. (4)**

Detailed study of woody plants emphasizing growth and development, planting, pruning, fertilization, maintenance, integrated pest management, plant health diagnostics, and plant care product safety. Prepare students to acquire pesticide applicator license and for portions of the ISA Certified Arborist exam. Prerequisite: FOR 200 or permission of instructor. 2 hrs. lect.; 4 hrs. lab.

### **407 Community Forest Management. (3)**

Urban and rural community forest management principles: Conducting Arbor Day program, tree planting, inventories, advocacy, risk assessment, valuation, vegetation management, and utilitarian use of trees. Topics prepare students for portions of the ISA Certified Arborist Exam. Prerequisite: FOR 200 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.

## **HORTICULTURE (HORT)**

### **180 Principles of Horticultural Science.**

(4) Introduction to science-based principles underlying plant production, including: classification and use of food and ornamental plants; plant growth and development in response to environment and management; plant pests and pest protection; plant breeding and genetic improvement. *Not open to students with credit for AGRN 176.* 3 hrs. lect.; 2 hrs. lab.

IAI: AG 905.

### **357 (Cross-listed with BOT 357) Cannabis Biology and Production. (3)**

Lecture/lab/field course on the biology and agricultural use of *Cannabis sativa* (industrial hemp) including cannabis anatomy, physiology, breeding, propagation methods, management techniques, reintroduction into farming crop rotation, commercial production strategies, post-harvest processing, and product applications. *Not open to students with credit in BOT 357.* Prerequisite: AGRN 176, BOT 200, or HORT 180, BOT 329 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.

### **374 (Cross-listed with AGRN 374) Diseases of Economic Plants. (3)**

Identification of agricultural plant diseases; biology of common plant pathogens; pathogen-plant interactions; fungicide classification and use; management of plant diseases through chemical, cultural, biological, and mechanical control methods. *Not open to students with credit in AGRN 374.*

Prerequisite: AGRN 176 or FOR 200 or HORT 180. 2 hrs. lect.; 2 hrs. lab.

### **381 Herbaceous Landscape Plants. (3)**

Identification, adaptability, and evaluation of herbaceous annuals, perennials, ornamental grasses, vines, and ground cover plants used in landscape planting. 2 hrs. lect.; 2 hrs. lab.

### **384 Sustainable Landscape Construction and Management. (3)**

Principles and practices of sustainable landscape construction and management including: site grading and drainage, landscape construction bidding, hardscape and water feature installation, plant establishment, Integrated Pest Management (IPM), pruning, and urban soil and fertility management. Prerequisite: HORT 180. 2 hrs. lect.; 2 hrs. lab.

### **386 Sustainable Landscape Construction.**

(3) Standards, processes, and computations for site grading, drainage, construction details, and bidding for landscape construction. Project scheduling, contracts, and hardscape install practices for small retaining walls, patios, walkways, and water features. Exploration of sustainable hardscape materials. Prerequisite: junior standing.

**389 Home Horticulture. (3)** Principles of plant growth and maintenance as related to the selection and care of landscape plants, lawns, tree fruits, small fruits, flowers, vegetables, and house plants.

**393 Greenhouse Management. (3)** Principles of greenhouse production of vegetable, ornamental, and medicinal plants; management of greenhouse facilities; plant propagation techniques; appropriate use of soil and soilless media, irrigation, fertilizers, and plant growth regulators; integrated management of pests and diseases. Prerequisite: HORT 180. 2 hrs. lect.; 2 hrs. lab.

**480 Plant Propagation. (3)** Principles and practices of sexual and asexual plant propagation. Prerequisite: HORT 180. 2 hrs. lect.; 2 hrs. lab.

**483 Hydroponic Plant Production. (3)** An exploration of hydroponic plant production; the influence of fertilizer, light, substrate, water quality, and environment on the success of crop plants in soilless culture; management tactics to increase crop productivity while minimizing environmental impact of hydroponic plant production. Prerequisite: AGRN 176 or BOT 200 or FOR 200 or HORT 180 or instructor's permission. 2 hrs. lect.; 2 hrs. lab.

### **484 Sustainable Landscape Technology. (3)**

Review of current best management practices (BMPs) for sustainable landscape technologies. These include CSAs, local foods movement, living walls, green roofs, stormwater management, natural swimming pools, habitat restoration, native plants in landscapes, and a review of the Sustainable Sites Initiative. Prerequisite: HORT 180 or AGRN 176 or FOR 200 or BOT 200 or ENVR 201, or consent of instructor.

### **485 Turf Management. (3)**

Establishment and maintenance of turf grass for lawns, golf courses, and recreational areas, including athletic fields. Prerequisite: AGRN 176 or HORT 180. 2 hrs. lect.; 2 hrs. lab.

**493 Practicum in Horticultural Science. (1-3, repeatable to 3)** Practical experience, preferably

# Agriculture

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in an on-the-job situation, in some aspect of horticulture. *Prerequisites: HORT 180 and FOR 308.*

## **INTERNATIONAL AGRICULTURE (INAG)**

### **310 International Agriculture in Developing Countries. (3) (General Education/Multicultural Studies) (Global Issues)**

A study of international agriculture development. Special emphasis given to world hunger and world food needs, use of limited natural resources, population growth, trade policies, and appropriate technology used in developing countries. *3 hrs. lect.*

### **361 International Agriculture Travel Study in the Western Hemisphere. (3, repeatable to 6 with different location) (Global Issues)**

The study of the history and culture of a region,

integrated with agricultural production, processing, development, and trade through classroom instruction and international travel. A maximum of six credits of INAG 361 and INAG 362 can be used toward departmental electives. *Prerequisite: junior standing or consent of instructor. Arranged.*

### **362 International Agriculture Travel Study in the Eastern Hemisphere. (3, repeatable to 6 with different location) (Global Issues)**

The study of the history and culture of a region, integrated with agricultural production, processing, development, and trade through classroom instruction and international travel. A maximum of six credits of INAG 361 and INAG 362 can be used toward departmental electives. *Prerequisite: junior standing or consent of instructor. Arranged.*

**Chairperson:** Ms. Kathleen M. Myers  
**Office:** Garwood Hall 32  
**Telephone:** (309) 298-1549  
**Fax:** (309) 298-2605  
**Email:** Art@wiu.edu  
**Website:** [wiu.edu/art](http://wiu.edu/art)

## **Program Offerings and Locations**

- Bachelor of Arts in Art: Macomb
- Bachelor of Fine Arts in Art: Macomb
- Minor in Art History: Macomb
- Minor in Art Studio: Macomb
- Minor in Graphic Design: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Clough, Czechowski, Holz, Howard, Knavel, Ku, Lindquist, McArthur, Myers, Oursler, Shahani, Shelly, Waldrop.

## **GradTrac**

GradTrac is available to Art majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Art or the Bachelor of Fine Arts in Art: Master of Arts in Museum Studies. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

The Department of Art and Design offers two baccalaureate degrees: 1) **Bachelor of Fine Arts** (B.F.A.) with options in **Art Studio**, **Graphic Design**, and **Teacher Education**; 2) **Bachelor of Arts** (B.A.) with options in general **Art Studio** and **Graphic Design**. Minors are also offered in Art History, Art Studio, and Graphic Design. Western Illinois University is an accredited institutional member of the National Association of Schools of Art and Design (NASAD). Students must complete at least 50% of their art courses at WIU to graduate as Art majors.

## **Art and Design**

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The **Bachelor of Fine Arts** degree is a comprehensive professional undergraduate degree that stresses high standards of performance. The **Art Studio option** provides students with opportunities to broaden their knowledge of art and to develop technical proficiency in chosen studio areas such as ceramics, drawing, metals/jewelry, painting, printmaking, or sculpture. The **Graphic Design option** focuses on developing creative problem-solving skills and a critical visual aesthetic that students need to succeed in the current design industry. The **Teacher Education option** provides students with an essential combination of coursework including art studio courses, art history courses, courses from the College of Education and Human Services, and courses in Art Education methods, theories, practices, and research. Students in the Teacher Education option will develop the pedagogical and artistic skills and the competencies needed to qualify them for employment in art programs teaching kindergarten through high school levels. The concentrated curricular structure of the B.F.A. allows students to integrate knowledge, experience, and technical skill as it prepares them for the intellectual and cultural world of art/design, for graduate study, or for careers in art education.

The **Bachelor of Arts** degree is a broad, well-rounded liberal arts degree. The **Art Studio option** allows the program to be tailored to fit a student's individual needs by offering a variety of intensive studio tracks including ceramics, drawing, metals/jewelry, painting, printmaking, and sculpture. The **Graphic Design option** focuses on the development of the necessary design skills and aesthetics and also allows students the opportunity to explore other areas of interest.

## **Degree Programs**

### **Bachelor of Fine Arts—Art**

**Admission:** To enter the Bachelor of Fine Arts degree program in the Art Studio or Graphic Design option, students are required to pass an Entry Portfolio Review (ARTS 210). Students are eligible to submit their portfolio after completing the four studio foundation courses in the Art core (ARTS 101, 102, 140, 240). The Entry Portfolio Review is recommended for students who have earned 30 s.h. of credit. A grade point average of at least 2.50 in Art and a positive Entry Portfolio Review are required for admittance into the B.F.A. program.

All students seeking the Bachelor of Fine Arts in Art must complete I, II, III, and IV.A, IV.B, or IV.C below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

**Note:** Students enrolled in this major may not minor in Art History, Art Studio, or Graphic Design.

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| I. University General Education Curriculum (p. 69) .....                                   | 43 s.h. |
| Option C, Teacher Education, to include EDS 202 and a General Education mathematics course |         |
| II. Core Courses: ARTH 282*, 283*; ARTS 101, 102, 140, 240, 241 .....                      | 21 s.h. |
| III. Special Course: Choose one of ARTH 392†, 393†, 394†, or 397† .....                    | 3 s.h.  |

## IV. Options of Study (select A, B, or C)

### A. Art Studio

- |   |         |
|---|---------|
| 1. Option Courses: ARTS 115, 210, 310, 410, 495 .....                   | 7 s.h.  |
| 2. Directed Electives.....  | 51 s.h. |
| a. Primary Studio Electives.....  | 30 s.h. |
| b. Departmental Studio Electives: Studio 2-D and 3-D <sup>1</sup> ..... | 15 s.h. |
| c. Art History Electives <sup>2</sup> .....                             | 6 s.h.  |

### B. Graphic Design

- |   |         |
|---|---------|
| 1. Option Courses: ARTS 115, 210, 310, 416.....   | 6 s.h.  |
| 2. Directed Electives.....  | 52 s.h. |
| a. Primary Studio Electives: Select 21 s.h. from the following courses:<br>ARTS 215, 246, 314, 315, 316, 317, 318, 414, 415 ..... | 21 s.h. |
| b. Secondary Studio Area .....  | 15 s.h. |
| c. Departmental Studio Electives: Studio 2-D and 3-D <sup>1</sup> .....   | 10 s.h. |
| d. Art History Electives <sup>2</sup> .....   | 6 s.h.  |

### C. Art—Teacher Education

- |   |         |
|---|---------|
| 1. Option Courses.....                              | 18 s.h. |
| ARTE 360, 361, 411, 437; ARTS 115, 246              |         |
| 2. Directed Electives.....                          | 20 s.h. |
| a. Departmental Studio Electives <sup>1</sup> ..... | 17 s.h. |
| b. Art History Elective <sup>2</sup> .....          | 3 s.h.  |
| 3. Other .....                                      | 29 s.h. |
| a. EDUC 439 .....                                   | 3 s.h.  |
| b. EDS 301, 303, 305, 401.....                      | 9 s.h.  |
| c. ENG 366 or RDG 387 .....                         | 2 s.h.  |
| d. SPED 390.....                                    | 3 s.h.  |
| e. STCH 480, 482.....                               | 12 s.h. |

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

\* May count toward the University General Education requirement

† ARTH 392, 393, 394, or 397 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

<sup>1</sup> At least 6 s.h. must be taken in Studio 3-D.

<sup>2</sup> Must be 300- or 400-level ARTH course(s)

## Bachelor of Arts—Art

All students seeking the Bachelor of Arts in Art must complete I, II, III, and IV.A or IV.B below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** Students enrolled in this major may not minor in Art History, Art Studio, or Graphic Design.

- |  |         |
|--|---------|
| I. University General Education Curriculum (p. 69) .....               | 43 s.h. |
| II. Core Courses: ARTH 282*, 283*; ARTS 101, 102, 140, 240 .....       | 18 s.h. |
| III. Special Course: Choose one of ARTH 392†, 393†, 394†, or 397†..... | 3 s.h.  |

# **Art and Design**

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## **IV. Options of Study (select A or B)**

A. Art Studio	
1. Option Courses: ARTS 115, 495 .....	..... 6 s.h.
2. Directed Electives.....	..... 27 s.h.
a. Departmental Studio Electives: Studio 2-D and 3-D <sup>1</sup> .....	..... 24 s.h.
b. Art History Elective <sup>2</sup> .....	..... 3 s.h.
3. Open Electives.....	..... 29 s.h.
B. Graphic Design	
1. Option Courses.....	..... 24 s.h.
a. ARTS 115, 416 .....	..... 6 s.h.
b. Select 18 s.h. from the following courses:	
ARTS 215, 246, 314, 315, 316, 317, 318, 414, 415 .....	..... 18 s.h.
2. Directed Electives.....	..... 9 s.h.
a. Departmental Studio Electives: Studio 3-D <sup>1</sup> .....	..... 6 s.h.
b. Art History Elective <sup>2</sup> .....	..... 3 s.h.
3. Open Electives.....	..... 29 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

\* May count toward the University General Education requirement.

† ARTH 392, 393, 394, or 397 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

<sup>1</sup> At least 6 s.h. must be taken in Studio 3-D.

<sup>2</sup> Must be 300- or 400-level ARTH course(s)

## **Minors**

**Note:** These minors are not open to students majoring in Art (any option).

<b>Minor in Art History .....</b>	<b>18 s.h.</b>
1. ARTH 282, 283, 394.....	..... 9 s.h.
2. Select 300 and 400 level Art History courses.....	..... 9 s.h.

<b>Minor in Art Studio.....</b>	<b>18 s.h.</b>
1. ARTS 101, 102, 140; ARTH 180 .....	..... 12 s.h.
2. Art Electives (Studio only).....	..... 6 s.h.

<b>Minor in Graphic Design.....</b>	<b>21 s.h.</b>
1. ARTS 101, 140, 215 .....	..... 9 s.h.
2. Select four courses from: ARTS 246, 314, 315, 316, 415.....	..... 12 s.h.

## **Course Descriptions**

### **FOUNDATION (ARTS)**

**101 Two-Dimensional Design. (3)** A foundation in the organization of two-dimensional visual concepts through design experiences with basic elements and principles of visual structure. A variety of materials are used. *Materials charge for course.*

*IAI: ART 907.*

**102 Three-Dimensional Design. (3)** Introductory lab course in three-dimensional design. Study includes experimentation with plastic relationships existing between design

elements, materials, and the expression of ideas in three-dimensional form. *Materials charge for course.*

**115 Digital Design. (3)** An introduction to the use of digital technology as a tool in the creation of art. Students will develop, improve, and apply fundamental visual design skills and conceptual thinking to artworks through the use of digital equipment and applications. *Materials charge for course.*

**140 Drawing I. (3)** Fundamental concepts of drawing, including study of line, form, space, value, and composition in a variety of media.

*Materials charge for course.  
IAI: ART 904.*

**240 Drawing II. (3, repeatable to 6)**  
Opportunities given for continued development of a personal direction in a variety of drawing media. *Prerequisite: ARTS 140. Materials charge for course.*

## PORFOLIO REVIEW (ARTS)

**210 BFA Entry Portfolio Review. (0)** An assessment standard required of all students entering the BFA degree program. *Prerequisites: ARTS 101, 102, 140, 240, declared BFA Art Major, and minimum 2.50 grade point average in Art. Graded S/U only.*

**310 BFA Junior Portfolio Review. (0, repeatable)** An assessment standard required of all students pursuing the BFA degree. *Prerequisites: S grade in ARTS 210 and a minimum 2.50 grade point average in Art. Graded S/U only. Students may re-enroll until "S" grade is attained.*

**410 BFA Senior Exhibition. (1)** Development and exhibition of a quality body of art works representing the student's achievements in the major and minor studio areas. *Prerequisite: S grade in ARTS 310 and minimum 2.50 grade point average in Art.*

**495 Professional Practices in the Arts.**  
**(3)** A seminar capstone course devoted to the development of professional practices in preparation for entry into the contemporary art world. *Prerequisite: Senior standing or permission of the instructor.*

## ART EDUCATION (ARTE)

**360 Methods in Elementary Art. (3)**  
Experiments with art materials to gain insight into the values, curricula, and processes of art activities in the age levels from pre-school into the junior high.

**361 Introduction to Art Education. (3)** An early orientation to the philosophies and theories of the profession of art education, museum/gallery experience, adult education, etc. *Prerequisite: ARTS 101.*

**411 Arts and Institutions. (3)** This course provides students with the opportunity to study the roles of visual arts and arts educational programs in various types of institutions, organizations, and agencies and to explore professional and vocational opportunities within the art world. *Prerequisite: ARTE 361 or permission of instructor.*

**437 Media, Methods, and Materials in Art Education. (3)** An overview of media, processes, materials, techniques, and methods appropriate for elementary and secondary school classrooms. Content integrates studio courses with art historical and multicultural uses of traditional/non-traditional media, methods, and materials for producing works of visual art. *Prerequisite: permission of instructor.*

## (Art Education—STCH)

**480 Student Teaching—Secondary. (1-16)**  
Student teaching in grades 7-12.

**482 Student Teaching. (1-16) (Grades K-6).**

## (Art Education—EDUC)

**439 High School Art Methods. (3)** Students are involved in selecting those learning objectives and situations which emanate from a meaningful art curriculum for the secondary school student. *Prerequisites: ARTS 101, 102; ARTE 360 or 361.*

## ART HISTORY (ARTH)

**180 An Introduction to Art. (3) (General Education/Fine Arts)** Designed to help students understand our cultural background and the role art plays in contemporary life. The functions, styles, structure of art, and the interaction of medium and meaning. Contact with art forms, visual aids, and readings are utilized to stimulate student responses to aesthetic qualities in the visual arts. *Cannot be applied toward the Art major.*  
*IAI: F2 900.*

**282 History of World Art: to 1400. (3) (General Education/Fine Arts)** An introduction and investigation of art and visual culture from a broad range of world cultures before 1400.  
*IAI: F2 901.*

**283 History of World Art: 1400–1900. (3) (General Education/Fine Arts)** An introduction and investigation of art and visual culture from a broad range of world cultures from 1400 to 1900.  
*IAI: F2 902.*

**284 History of Non-Western Art. (3) (General Education/Fine Arts or Multicultural Studies)** A survey of art and visual culture in the non-Western world.

**387 A History of Modern Design. (3)** A social history of modern design practice, objects, and theory from the Arts & Crafts Movement of the 1860s to the present. *Prerequisites: ENG 180; sophomore standing or permission of the instructor.*

**388 History of Photography. (3)** The study of photography from a historical point of view as well as the study of photographic styles and the works of photography artists. *Prerequisites: ENG 180; sophomore standing or permission of instructor.*

**392 Medieval Art. (3)** Study of pivotal works of art and architecture created in medieval Europe (c. 800–1500). These works will be evaluated for their formal and stylistic characteristics, and interpreted with respect to their contemporary cultural, social, political, religious, and economic environments. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.*

**393 Gender and Embodiment in the Visual Arts. (3) (Global Issues)** This course explores how representations of the human body in both contemporary and historical world art create, sustain, trouble, and transform normative ideas of gender and sexuality. *Writing Instruction in the Disciplines (WID) course.* *Prerequisite: ENG 180 or permission of the instructor.*

**394 History of Twentieth Century Art. (3)** A survey of Western painting and sculpture from c. 1850 to c. 1945. All major stylistic movements will be examined. Emphasis will be placed upon interpretive issues; works will be examined not only in respect to their formal characteristics, but also as expressions of concurrent art theories,

# Art and Design

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and social, political, scientific, and philosophical developments. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.

**395 American Art. (3)** A survey of American art from colonial times to the beginning of the 20th century. Prerequisites: ENG 180; sophomore standing or permission of the instructor.

**397 (Cross-listed with AAS 397) African Americans in Art. (3)** The study of African Americans in art and visual culture from 1619 to the present. This course examines images of African Americans within a social, historical context as a way to understand evolving American perceptions about race, class, and gender. *Writing Instruction in the Disciplines (WID) course.* Not open to students with credit for AAS 397. Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.

**485 Research in Art History. (3, repeatable to 9)** An intensive study of a special area of art history selected with the instructor at registration. Prerequisites: 6 to 9 s.h. of Art History courses; ENG 180 and 280; and permission of the instructor.

**488 Premodern Visual Culture. (3)** This course explores questions about the nature of art and its relationship to premodern visual cultures (before ca. 1500 C.E.). Aesthetically significant objects are studied for how they function in earlier societies unlike our own. Prerequisites: ENG 180; sophomore standing or permission of the instructor.

**489 Early Christian, Byzantine, or Medieval Art. (3, repeatable to 9)** Prerequisites: ENG 180 and 280; upper division standing; and permission of the instructor.

**496 History of Contemporary Art. (3) (Global Issues)** A survey of post-WWII developments in the visual arts. The primary focus is upon Western art, but attention is also paid to stylistic developments in Asian, African, and Latin American countries. The central interpretive ideas and concerns for the course will be drawn from contemporary art theory and criticism. Prerequisites: ENG 180; sophomore standing or permission of the instructor.

## GRAPHIC DESIGN (ARTS)

**215 Introduction to Graphic Design and Typography. (3)** Introduction to the visual communication of graphic design. Typography and symbolic graphics stressed. Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.

**314 Artistic Digital Imaging. (3)** The course emphasizes utilizing the principles of design to effectively communicate ideas visually. Imaging editing software will be used for creative problem-solving projects. Prerequisite: ARTS 215. Materials charge for course.

**315 Layout and Design. (3)** The course focuses on incorporating type and digital imagery in page layouts. Projects emphasize creativity and the principles of visual composition, as well as encouraging awareness of contemporary design trends and their historical precedents. Prerequisite: ARTS 215. Materials charge for course.

**316 Artistic Website Design. (3, repeatable to 6)** This course centers on the aesthetic development of well-designed websites and mobile device interfaces. Students will use advanced graphics software to design the layout of individual webpages and the overall site development. Prerequisite: ARTS 315. Materials charge for course.

**317 Artistic Digital Illustration. (3)** This course focuses on digital painting and drawing with a digitizing tablet and stylus in combination with digital imaging software. Assignments will range from developing conceptual drawing skills to creating finished illustrations. Prerequisite: ARTS 215. Materials charge for course.

**318 Motion Graphics and Animation. (3)** Artistic analysis of 2D animation techniques and building animations using traditional methods and contemporary compositing techniques to produce hand drawn, typographic, and stop motion animations. Prerequisite: ARTS 215. Materials charge for course.

**414 Internship in Graphic Design. (1-12, repeatable to 12)** Supervised work experience in a graphic design related field with an approved employer. Regularly scheduled meetings with a faculty mentor are required throughout internship. Prerequisites: Art-Graphic Design major; junior/senior standing; ARTS 215; 9 s.h. of graphic design courses; a minimum 2.00 overall GPA; a minimum 2.50 major GPA; and departmental approval. Graded S/U only.

**415 Advanced Graphic Design Concepts. (3, repeatable to 6)** Concept and design skills are applied to the development of various projects. Emphasis is on critical thinking, concept development as a process, and research. Focus is on the refinement of the design process and further development of typographic skills. Prerequisite: ARTS 316. Materials charge for course.

**416 Graphic Design Senior Portfolio. (3)** Development of professional presentation. Development of new work for a graphic design portfolio, job hunting skills, dealing with clients, and building a personal portfolio website. Prerequisites: ARTS 215. Materials charge for course.

## STUDIO ART (ARTS)

**181 Introduction to Studio Art. (3) (General Education/Fine Arts)** A general introduction to understanding art and its vocabulary including hands-on experience utilizing a variety of the media used in the creation of art. *Cannot be applied toward the Art major.* Materials charge for course.

**400 Studio Problems. (3, repeatable to 9)** Individual study of design experimentation bridging several art areas, including gallery/museum experience. *Not open to freshmen or sophomores.* Prerequisites: Basic courses in areas of concern; written permission of instructor.

**450 Travel Workshop. (1-3, repeatable to 6)** An opportunity for students to participate in conferences, meetings, and workshops designed to provide professional educational sessions, gain networking experience, and present their artwork. Prerequisites: Permission of instructor.

Laboratory charge for course and field trip required. Graded S/U only.

## (Ceramics—3D Area)

**330 Ceramics I. (3)** Introduction to clay as a medium for art expression. Instruction given in fundamentals of aesthetic form, techniques of hand forming, glaze design, and kiln firing. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**331 Ceramics II & III. (3, repeatable to 6)** Pottery as aesthetic expression in clay. Emphasis is placed upon use of the potter's wheel with related hand-building techniques as well as glaze design and kiln firing practices. *Prerequisite: ARTS 330. Materials charge for course.*

**430 Studio Problems in Ceramics. (3, repeatable to 9)** Experimental studio projects reflecting a high level of technical, intuitive, and conceptual approaches. *Prerequisite: ARTS 331 or permission of instructor. Materials charge for course.*

## (Digital Photography—2D Area)

**246 Digital Art Photography I. (3)** An introduction to digital photography as an artistic process. Topics include camera operation, composition, computer photo manipulation, creative expression, and output of digital images. Upon completion, students should be able to successfully expose, digitally manipulate, and print well-conceived artistic compositions. *Materials charge for course.*

**346 Digital Art Photography II. (3)** Students will extend and refine digital skills obtained in Digital Art Photography I, learn how to streamline and personalize image workflow, compare image management options, and explore advanced image editing techniques to fine-tune a portfolio of compelling photographs. *Prerequisite: ARTS 246. Materials charge for course.*

**446 Advanced Digital Art Photography. (3)** Intensive investigation of digital photography as an art form. Emphasis is placed on concept and technique, as well as guided research and individual practice. *Prerequisites: ARTS 246 and 346. Materials charge for course.*

## (Drawing—2D Area)

**140 Drawing I. (3)** See Foundation courses listed on page 132. *Materials charge for course.*

**240 Drawing II. (3, repeatable to 6)** See Foundation courses listed on page 133. *Materials charge for course.*

**241 Life Drawing I. (3)** Studio work in drawing the human figure with activities involving techniques, anatomy, and design in varied media. *Prerequisites: ARTS 101 and 140.*

**341 Advanced Life Drawing. (3, repeatable to 9)** Further study rendering the human figure with attention given to color and composition. *Prerequisite: ARTS 241.*

**440 Studio Problems in Drawing. (3, repeatable to 9)** Individual problems in drawing selected with the instructor at registration. *Prerequisite: ARTS 240 or permission of instructor.*

## (Metals/Jewelry—3D Area)

**335 Art Metal and Jewelry I. (3)** Studio experiences involving design and fabrication of 3-D forms in fine metals for jewelry and small sculpture. Students will be introduced to basic metal working techniques as applied to non-ferrous metals including sawing, riveting, shaping, and soldering. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**336 Art Metal and Jewelry II & III. (3, repeatable to 6)** Opportunities given for continued development of a personal direction in metal and jewelry processes. *Prerequisite: ARTS 335. Materials charge for course.*

**435 Studio Problems in Art Metal and Jewelry. (3, repeatable to 9)** Individual problems in art metal and jewelry selected with the instructor. *Prerequisites: ARTS 336 or permission of instructor. Materials charge for course.*

## (Painting—Oil—2D Area)

**350 Painting I. (3)** Studio work exploring the possibilities and techniques of fine painting. Assignments given with an emphasis on an understanding of materials including paint, brushes, solvents, mediums, and the construction and preparation of support structures. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**451 Painting II & III. (3, repeatable to 6)** This course builds upon the skills learned in Painting I with continuing emphasis on materials, techniques, and formal problems. Assignments may expand beyond representational/objective painting and lead into more problem solving/critical thinking. *Prerequisite: ARTS 350. Materials charge for course.*

**452 Studio Problems in Painting. (3, repeatable to 9)** Assignments will be given individually based on previous efforts and will be directed toward the expansion of an idea and the content/subject matter. The course continues to investigate materials and techniques. *Prerequisite: ARTS 451 or permission of instructor. Materials charge for course.*

## (Painting—Watercolor—2D Area)

**370 Watercolor I. (3)** Techniques of transparent and opaque water soluble paints are explored. *Prerequisites: Sophomore standing or permission of instructor. Materials charge for course.*

**371 Watercolor II & III. (3, repeatable to 6)** Opportunities given for continued development of a personal direction in water soluble media. *Prerequisite: ARTS 370. Materials charge for course.*

**470 Studio Problems in Watercolor. (3, repeatable to 9)** Selective experimentation with transparent and opaque water media. *Prerequisite: ARTS 371 or permission of instructor. Materials charge for course.*

## (Printmaking—General)

**265 Introduction to Printmaking. (3)** Introduction to printmaking as a medium for artistic expression. A variety of printmaking methods and approaches to making visual work will be explored. Students will create original

# **Art and Design**

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art prints and be prepared for further study in printmaking. *Materials charge for course.*

## **(Printmaking—Intaglio—2D Area)**

**355 Intaglio I. (3)** Studio work in the intaglio processes: engraving, drypoint, and etching on copper and zinc plates. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**356 Intaglio II & III. (3, repeatable to 6)**

Opportunities given for continued development of a personal direction in intaglio processes. *Prerequisite: ARTS 355. Materials charge for course.*

**455 Studio Problems in Intaglio. (3, repeatable to 9)** Individual problems in a specific print-making medium selected with the instructor at registration. *Prerequisites: ARTS 356 or permission of instructor. Materials charge for course.*

## **(Printmaking—Lithography—2D Area)**

**365 Lithography I. (3)** Studio work involving technical methods and aesthetic approaches to lithography as applied to stone work and plate work. Students will explore both traditional and digital methods of creating lithographic prints. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**366 Lithography II & III. (3, repeatable to 6)**

Introduction to color printing and related problems. The use of transfer paper and the study of image reversal are other subjects covered. *Prerequisite: ARTS 365. Materials charge for course.*

**465 Studio Problems in Lithography. (3, repeatable to 9)** Individual projects selected by the student in conference with the instructor. *Prerequisites: ARTS 366 or permission of instructor. Materials charge for course.*

## **(Printmaking—Silkscreen—2D Area)**

**368 Silkscreen I. (3)** Studio work involving silkscreen as a fine art print medium including

basic photo-emulsion, drawing fluid and block-out techniques, computer-generated and hand-drawn processes. Students use non-toxic acrylic inks to produce a portfolio of editioned prints. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**369 Silkscreen II & III. (3, repeatable to 6)**

Intermediate level silkscreen; students explore their own artistic voice through resolution of concept and imagery using hand-drawings and advanced digitigraphic processes. Students use non-toxic acrylic inks to produce a portfolio of editioned prints. *Prerequisite: ARTS 368. Materials charge for course.*

**468 Studio Problems in Silkscreen. (3, repeatable to 9)**

Designed for intensive study in silkscreen. Emphasis is on individual research, self-guidance, thematic development, and personal aesthetic expression. Students use non-toxic acrylic inks to produce a portfolio of editioned prints. *Prerequisites: ARTS 369 or permission of instructor. Materials charge for course.*

## **(Sculpture—3D Area)**

**320 Sculpture I. (3)** Studio work in various sculptural processes. Large scale projects may include ceramic sculpture, bronze casting, wood carving, and other media. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

**321 Sculpture II & III. (3, repeatable to 6)**

Opportunities given for continued development of a personal direction in sculptural processes. *Prerequisite: ARTS 320. Materials charge for course.*

**421 Studio Problems in Sculpture. (3, repeatable to 9)**

Individual problems in sculpture selected with the instructor at registration. *Prerequisites: ARTS 321 or permission of instructor. Materials charge for course.*

**Interim Chairperson:** Dr. Richard O. Musser  
**Office:** Waggoner Hall 316  
**Telephone:** (309) 298-1546  
**Fax:** (309) 298-2270  
**Email:** biology@wiu.edu  
**Website:** wiu.edu/biology

## **Program Offerings and Locations**

- Bachelor of Science in Biology: Macomb
- Bachelor of Science in Clinical Laboratory Science: Macomb
- Minor in Botany: Macomb
- Minor in Horticulture: Macomb
- Minor in Microbiology: Macomb
- Minor in Middle Level Science Teaching: Macomb
- Minor in Zoology: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Aanenson, Afitlhile, Cooper, Engel, Holt, Hum, Jenkins, Livingston, MacPherson, Meagher, Musser, Nepal, Peer, Viadero.

## **Adjunct Faculty**

Jobst, Wallace.

## **Kibbe Site Manager**

Gillespie.

## **Advisors**

Sandrik-Rubio, Schultz.

## **GradTrac**

GradTrac is available to Biology majors with an option in Botany, Environmental Biology, Medical Sciences, Microbiology, or Zoology, and to Clinical Laboratory Science majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

# **Biological Sciences**

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## **Department Information**

Biology is one of the most basic fields of science with direct application to humans. Our continued existence on planet Earth depends in large part on how we resolve problems of a biological nature. Biology is a broadly based discipline encompassing a variety of subjects ranging from medicine to ecology. The Biology program at WIU is designed to provide students with a broad exposure to the various areas of Biology.

Majors are offered in Biology (with options in Botany, Environmental Biology, Microbiology, Zoology, Medical Sciences, and Science/Biology Teacher Education) and Clinical Laboratory Science leading to a Bachelor of Science degree. Minors are offered in Botany, Horticulture, Microbiology, Middle Level Science Teaching, and Zoology.

Training in Biology prepares one for a broad spectrum of job opportunities, including teaching, governmental or industrial laboratories, conservation agencies, or business. In addition, students become qualified to pursue graduate studies in any of several areas of study within the Biological Sciences and the health professions.

Students planning to major in the Biological Sciences should have three years of Mathematics and one year each of Biology, Physics, and Chemistry in high school. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in the Botany, Environmental Biology, Medical Sciences, Microbiology, and Zoology options. Students in the Medical Sciences option should be aware of the high GPA requirements of post-graduate professional programs (see page 341).

## **Degree Programs**

### **Bachelor of Science—Biology**

All students seeking the Bachelor of Science in Biology must complete I, II, and III.A, III.B, III.C, III.D, III.E, or III.F below, and the foreign language/global issues requirement for the major#. A grade of C (2.0) or better is required in introductory core courses (BOT 200, MICR 200, and ZOOL 200) before enrolling in courses for which they are prerequisites. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
	Except Teacher Education students must complete the University General Education Curriculum Requirements—43 s.h. (p. 69)	
II.	Core Courses.....	24 s.h.
	BIOL 330, 340†, 350, 499; BOT 200; MICR 200; ZOOL 200	
III.	Options of Study (select A, B, C, D, E, or F)	
A.	Botany	
1.	Special Courses: BOT 320, 410, 430†.....	9 s.h.
2.	Directed Electives: Select 6 s.h. from any Botany course not previously taken; BIOL 312, 425, 454, 466, 470, 477, 479, 495 .....	6 s.h.
3.	Any Minor .....	16 s.h.
4.	Open Electives.....	4 s.h.

5. Other
- Chemistry including organic or biochemistry ..... 12 s.h.  
Select at least 12 s.h. as one of the following sequences:  
CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
  - Complete at least 4 s.h. in the following: ..... 4 s.h.  
MATH 128 or equivalent (see advisor)\* and one of  
MATH 133 or STAT 171 or equivalent (see advisor)
  - Select at least 6 s.h. in one of the following: ..... 6 s.h.
    - GEOG 121 and METR 120
    - GIS 202 and 405
    - Any two of GEOL 110, 112, 113, 115
    - One of the following sequences: PHYS 114, 115;  
PHYS 124, 125; PHYS 211, 213; PHYS 212, 214

\* Completion of MATH 133 satisfies the Mathematics requirement for this option.

B. Microbiology

- Special Courses
  - Diversity: Select one from MICR 400, 401, 423 ..... 3 s.h.
  - Applied: Select one from BIOL 466; MICR 451, 465 ..... 3 s.h.
  - Medical: Select one from MICR 405, 434, 460, 463, 464 ..... 3 s.h.
- Directed Electives: Select 6 s.h. from any Microbiology course not previously taken, BIOL 477, or BIOL 495 ..... 6 s.h.
- Any Minor ..... 16 s.h.
- Open Electives ..... 4 s.h.
- Other
  - Chemistry including organic or biochemistry ..... 12 s.h.  
Select at least 12 s.h. as one of the following sequences:  
CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
  - Complete at least 4 s.h. in the following: ..... 4 s.h.  
MATH 128 or equivalent (see advisor)\* and one of  
MATH 133 or STAT 171 or equivalent (see advisor)
  - Select at least 6 s.h. in one of the following: ..... 6 s.h.
    - GEOG 121 and METR 120
    - GIS 202 and 405
    - Any two of GEOL 110, 112, 113, 115
    - One of the following sequences: PHYS 114, 115;  
PHYS 124, 125; PHYS 211, 213; PHYS 212, 214

\* Completion of MATH 133 satisfies the Mathematics requirement for this option.

C. Zoology

- Special Courses: ZOOL 411 or 415 or 460, ZOOL 320 or 321, ZOOL 430† ..... 9 s.h.
- Directed Electives: Select 6 s.h. from any Zoology course not previously taken; BIOL 312, 425, 451, 452, 454, 459, 466, 470, 477, 480, 495 ..... 6 s.h.
- Any Minor ..... 16 s.h.
- Open Electives ..... 4 s.h.
- Other
  - Chemistry including organic or biochemistry ..... 12 s.h.  
Select at least 12 s.h. as one of the following sequences:  
CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
  - Complete at least 4 s.h. in the following: ..... 4 s.h.  
MATH 128 or equivalent (see advisor)\* and one of  
MATH 133 or STAT 171 or equivalent (see advisor)

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- c. Select at least 6 s.h. in one of the following:..... 6 s.h.  
1) GEOG 121 and METR 120  
2) GIS 202 and 405  
3) Any two of GEOL 110, 112, 113, 115  
4) One of the following sequences: PHYS 114, 115;  
PHYS 124, 125; PHYS 211, 213; PHYS 212, 214

\* Completion of MATH 133 satisfies the Mathematics requirement for this option.

- D. Medical Sciences (Pre-Health Professionals)
- |   |         |
|---|---------|
| 1. Special Courses .....  | 7 s.h.  |
| Complete at least 7 s.h. in the following:<br>BIOL 170; ZOOL 330 and 331, or ZOOL 321 and 430   |         |
| 2. Directed Electives   |         |
| a. Select at least 3 s.h. from: MICR 400, 405, 425, 434, 460, 463,<br>464, 465 .....  | 3 s.h.  |
| b. Select at least 6 s.h. from: BIOL 477, 495; MICR 400, 405, 425,<br>434, 460, 463, 464, 465; ZOOL 320, 321, 330, 331, 420, 430, 432,<br>460, 461..... | 6 s.h.  |
| 3. Any Minor .....  | 16 s.h. |
| 4. Open Electives.....  | 1 s.h.  |
| 5. Other  |         |
| a. CHEM 201, 202, and 330 or 331.....   | 13 s.h. |
| b. MATH 133 .....   | 4 s.h.  |
| c. STAT 171.....  | 3 s.h.  |
| d. PHYS 124 and 125 .....   | 8 s.h.  |
- E. Science/Biology—Teacher Education
- |   |         |
|---|---------|
| 1. Special Courses  |         |
| a. BIOL 381, 481, 482†; BOT 430† or ZOOL 430†.....  | 10 s.h. |
| b. BIOL/GEOL 181; PHYS/GEOG 182 .....   | 8 s.h.  |
| c. CHEM 201, 202.....   | 8 s.h.  |
| d. PHYS 114.....  | 4 s.h.  |
| e. GEOL 110.....  | 4 s.h.  |
| 2. Department Electives .....   | 3 s.h.  |
| Select 3 s.h. from any upper-division BIOL, BOT, MICR, or ZOOL course<br>not previously taken       |         |
| 3. Science Electives .....  | 0 s.h.  |
| Additional courses in Biology (BIOL, BOT, MICR, ZOOL), Chemistry,<br>Geography, Geology, or Physics |         |
| 4. Other  |         |
| a. EDUC 239, 339, 439, 469.....   | 3 s.h.  |
| b. EDS 202, 301, 303 (2 s.h.), 304 (1), 305, 401.....   | 13 s.h. |
| c. MATH 128 or higher.....  | 3 s.h.  |
| Not to include MATH 362, 364, or 367  |         |
| d. STAT 171 or equivalent (see advisor).....  | 3 s.h.  |
| e. ENG 366.....   | 2 s.h.  |
| f. SPED 390.....  | 3 s.h.  |
| g. STCH 480.....  | 12 s.h. |
- F. Environmental Biology
- |   |         |
|---|---------|
| 1. Department Electives .....   | 15 s.h. |
| Choose 15 s.h. from any of the following courses in Ecology and<br>Evolution, or Biodiversity (specifically, at least one from Ecology<br>and Evolution, and at least one from Biodiversity; and at least one<br>from Field; and at least one BOT course and one ZOOL course) |         |

- a. Ecology and Evolution  
BIOL 312, 425, 426, 451, 452, 454, 456, 458, 459, 477, 479, 495;  
MICR 451; ZOOL 325, 451, 485
  - b. Biodiversity  
BOT 410, 423, 452; MICR 401, 423, 460; ZOOL 410, 411, 412, 413,  
414, 415, 452, 460
  - c. Field  
BIOL 451, 454, 456, 480; BOT 423, 452; MICR 423; ZOOL 410,  
411, 452; other field-based courses per approval of department  
chairperson
2. Minor ..... 16 s.h.  
Select one of the following minors: Agriculture; Botany;  
Environmental Studies; Geographic Information Systems;  
Geology; Horticulture; Microbiology; Natural Resources  
Conservation; Recreation, Park and Tourism Administration;  
Zoology
3. Open Electives ..... 4 s.h.
4. Other ..... 22 s.h.
- a. Chemistry ..... 12 s.h.  
Including Organic Chemistry or Biochemistry  
Select at least 12 s.h. as one of the following sequences:  
CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
  - b. Mathematics/Statistics ..... 4 s.h.  
Complete at least 4 s.h. in the following:  
MATH 128 or equivalent (see advisor) and STAT 171;  
or MATH 133
  - c. Select at least 6 s.h. in one of the following: ..... 6 s.h.
    - 1) GEOG 121 and METR 120
    - 2) GIS 202 and 405
    - 3) Any two of GEOL 110, 112, 113, 115
    - 4) One of the following sequences: PHYS 114, 115;  
PHYS 124, 125; PHYS 211, 213; PHYS 212, 214

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- † BIOL 340 and BOT 430 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Botany option. BIOL 340 fulfills the WID graduation requirement for the Environmental Biology, Medical Sciences, and Microbiology options. BIOL 340 and ZOOL 430 fulfill the WID graduation requirement for the Zoology option. BIOL 340, BIOL 482, and BOT 430 or ZOOL 430 fulfill the WID graduation requirement for the Science/Biology—Teacher Education option.

## **Bachelor of Science—Clinical Laboratory Science**

All students seeking the Bachelor of Science in Clinical Laboratory Science must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*Criteria for majors to advance beyond introductory core courses:* Majors must earn a grade of C (2.0) or better in BOT 200, MICR 200, and ZOOL 200, before enrolling in courses for which they are prerequisites.

# **Biological Sciences**

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I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
II.	Core Courses..... BIOL 499; BOT 200; MICR 200, 434; ZOOL 200, 430†	18 s.h.
III.	Directed Electives..... Select at least 6 s.h. from the following courses BIOL 330, 340; MICR 400, 460, 463, 464; HS 250	6 s.h.
IV.	Complete Internship at an Affiliated School of Medical Technology (p. 148) ....	30 s.h.
V.	Other A. CHEM 201, 202, 330, 421 or CHEM 201, 202, 331, 332..... B. Select at least 7 s.h. as one of the following sequences:..... 1. PHYS 114, 115 .....8 s.h. 2. PHYS 124, 125 .....8 s.h. 3. PHYS 211, 213 .....8 s.h. 4. PHYS 212, 214 .....7 s.h. C. MATH 128 or equivalent (see advisor) .....	17 s.h.     7 s.h.     3 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	ZOOL 430 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## **Minors**

<b>Minor in Botany</b> .....	<b>17 s.h.</b>
1. BOT 200.....	4 s.h.
2. MICR 200 or ZOOL 200.....	4 s.h.
3. Select one from BOT 320, 410, 430.....	3 s.h.
4. Select 6 s.h. from BIOL 458, 470; BOT 210, 329, 423, 452, 462, 481.....	6 s.h.
<b>Minor in Horticulture</b> .....	<b>18 s.h.</b>
See Interdisciplinary Minors (p. 256).	
<b>Minor in Microbiology</b> .....	<b>17 s.h.</b>
1. MICR 200.....	4 s.h.
2. BOT 200 or ZOOL 200 .....	4 s.h.
3. Select one from MICR 400, 401, 423 .....	3 s.h.
4. Select one from BIOL 466; MICR 451, 465 .....	3 s.h.
5. Select one from MICR 405, 434, 460, 463, 464.....	3 s.h.

<b>Minor in Middle Level Science Teaching</b> .....	<b>24 s.h.</b>
<b>Note:</b> This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.	
1. BIOL 101; CHEM 101; GEOL 110; PHYS 114; SCED 465.....	19 s.h.
2. Take 5 additional semester hours from one or more of the following areas; at least one course must be a lab course: .....	5 s.h.
a. Biology (excluding BIOL 100 and 170), Botany, Microbiology, and/or Zoology	
b. Chemistry (excluding CHEM 100 and 150)	

- c. Geography (excluding GEOG 100, 110, 251, 341, 352, 443, 445, 448, 450, and 466)
- d. Geology (excluding GEOL 112)
- e. Physics (excluding PHYS 100, 101, and 124; also, students may not count both PHYS 115 and 125)

**Minor in Zoology ..... 17 s.h.**

- 1. ZOOL 200 ..... 4 s.h.
- 2. BOT 200 or MICR 200 ..... 4 s.h.
- 3. Select one from ZOOL 320, 321, 411, 415, 430, 460 ..... 3 s.h.
- 4. Select 6 s.h. from BIOL 350, 451, 452, 454, 458, 459, 466;  
ZOOL 320, 321, 325, 330, 331, 410, 411, 412, 413, 414, 415,  
430, 432, 451, 452, 460, 461, 476 ..... 6 s.h.

**Proficiency Examinations**

Students may take proficiency examinations for credit in BIOL 100, 101; BOT 200; and ZOOL 200. These examinations are prepared by the faculty of the department, and are generally administered during the first week of the semester. Students must register to take exams beforehand with the Biological Sciences secretary [Waggoner Hall 372, telephone (309) 298-1546.] The department will also grant credit for Biology proficiency examinations administered by The College Board; AP (Advanced Placement) score  $\geq 3$ , credit = BOT 200 & ZOOL 200; CLEP (College-Level Examination Program) score  $\geq 50$ , credit = BIOL 100; CLEP score  $\geq 60$ , credit = BOT 200 & ZOOL 200. Credit is given for the general Biology course(s) for which a satisfactory examination score has been achieved, and the student may enroll in courses for which the course in question is a prerequisite.

**Alice L. Kibbe Life Science Station**

The Department of Biological Sciences manages a field station for scientific and instructional use located 45 miles west of Macomb on the Mississippi River. The field station consists of three units, 415 acres owned by the University, 697 acres owned by The Nature Conservancy which serves as a wintering roosting area for Bald Eagles, and 587 acres owned by the Illinois Department of Natural Resources which is primarily river floodplain habitat and a designated nature preserve area. The field station facilities include the resident manager's house, two large storage buildings for boats and maintenance equipment, and a teaching/resident facility. From three to five field-oriented courses are offered each summer at the field station. For more information, contact Dr. Sean E. Jenkins, Field Station Director, Department of Biological Sciences, Waggoner Hall 215, telephone (309) 298-2045.

**Pre-Professional Program**

A pre-professional program in Health is available. See the Medical Sciences option for a detailed description of the requirements. Please also see Pre-Professional Programs (p. 341) for additional information.

**Dual Program**

A dual program in Arts and Sciences and Clinical Laboratory Science is available for Clinical Laboratory Science majors. Please see the Dual Programs section of this catalog (p. 344) for a detailed description of the program.

# Biological Sciences

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## Course Descriptions

**Laboratories are required in most courses in the department. A lab use charge applies to all BIOL, BOT, MICR, and ZOOL laboratory courses. Students must participate in all required course activities including field trips as specified by the instructor.**

### BIOLOGY (BIOL)

**100 Biological Concepts. (4) (General Education/Natural Sciences)** A laboratory course recommended for nonscience majors, relating heredity, evolution, ecology, and behavior to human life and the problems of society. *This General Education curriculum course does not count toward a major or minor in Biology.*

*IAI: L1 900L.*

**101 Biological World. (4) (General Education/Natural Sciences)** A laboratory course recommended for nonscience majors, dealing with the structure and function of the human body and with selected aspects of microbes, plants, and animals and how they affect humans. *This General Education curriculum course does not count toward a major or minor in Biology.*

**170 Introduction to Health Careers. (1)** Career opportunities in the health professions will be discussed. Vertical and lateral mobilities and education requirements will be stressed.

**181 (Cross-listed with GEOL 181) Integrated Science I. (4) (General Education/Natural Sciences)** A laboratory course in interdisciplinary science with an emphasis on the nature and evolution of life and Earth. Topics include ecology, natural resources, formation of Earth materials, Earth processes, nutrient cycling, cell biology, genetics, and evolution. (*Integrated Science II is PHYS/GEOG 182*) Not open to students with credit in GEOL 181.

**190 Introduction to Biology Research. (1-3, repeatable to 6)** Introduction to biological research, which may include introduction to experimental design, basic data collection techniques, scientific writing, and ethics of biological research. Arrange research project with faculty member and department chair before registration. Course recommended for freshmen and sophomores. *Maximum of 3 s.h. may be applied to major or minor. Prerequisites: permission of faculty member and department chairperson.*

**204 Human Biology. (4) (General Education/Natural Sciences)** An introduction to basic human biology including human development, reproduction, aging, genetics, evolution, and ecology. Laboratory experiments include online simulations and/or purchased kits for homework. *This course will not count toward a Biology major.*

**312 Evolution. (3)** A detailed study of the mechanisms of evolution. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**330 Cell and Molecular Biology. (4)** Morphological and functional aspects of the cell. Lecture and lab will emphasize cell structure and how this relates to physiological, biochemical, and molecular processes. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

**340 Genetics and Evolutionary Biology. (4)** Lecture and lab emphasizing transmission

genetics, genetic mapping, and the genetic processes underlying evolutionary processes. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better); ENG 280.*

**350 General Ecology. (4)** This course examines the causes of patterns in the abundance and distribution of organisms at the population, community, ecosystem, landscape, and global levels. The relationships of ecological principles to environmental issues will be examined.

*Prerequisites: Two of the following—BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better).*

**381 (Formerly BIOL 281) Cross-listed with CHEM/GEOL/MATH/METR/PHYS**

**381 Introduction to STEM Teaching. (1)** Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in CHEM/GEOL/MATH/METR/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

**418 (Cross-listed with CHEM/GEOL/PHYS 418) Introduction to Scanning Electron Microscopy. (4)**

The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in CHEM/GEOL/PHYS 418. Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect., 2 hrs. lab.*

**425 Conservation Biology. (3)** Biology of small, endangered populations. Genetic and ecological consequences of small population size, reserve design, and intervention to reduce extinction risk. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better); BIOL 340 or 350, or permission of the instructor.*

**426 (Cross-listed with GEOG 426) Conservation and Management of Natural Resources. (3)** Problems in the conservation and management of natural resources including soil, water, rangeland, forest, wildlife, air, and energy resources. Special attention to resource problems of the United States. *Not open to students with credit in GEOG 426. Prerequisites: GEOG 121 and METR 120, or consent of instructor.*

**451 Ecological Techniques. (3)** Techniques and analytical methods used to examine terrestrial and aquatic communities are studied, including data analysis specific to those techniques. Includes field experience. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better) or permission of the instructor.*

**452 Biological Applications of GIS. (3)** This course deals with biological problems examined using data acquisition and analytical methods from geographic information systems (GIS) and

global positioning systems (GPS). *Prerequisites: One Biology course and either GIS 201 or 202.*

**454 Mississippi River Ecology. (3)** Students will be given an opportunity to study the structure and function of major abiotic and biotic components of a major river system. Emphasis will be placed on understanding how the components interact and are influenced by activities related to human interdiction. *Prerequisite: one year of Biology or permission of the instructor.*

**456 Fire/Disturbance Ecology. (3)** This course examines the role of fire and other disturbances on the distribution and ecology of plants, animals, and microbes in their natural environments. Opportunity for the Nature Conservancy's prescribed burn and Federal basic wildland firefighter's certifications will be available. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better), or permission of the instructor.*

**458 Plant-Animal Interactions. (3)** Explores the co-evolutionary relationships of plants and animals. Lecture topics will include herbivory, pollination biology, and dispersal. Lab emphasis will be placed on research experiments that utilize chemical, behavioral, and molecular techniques, and review of the scientific literature. *Prerequisite: BIOL 330, BOT 200 (C grade or better), ZOOL 200 (C grade or better), or permission of instructor.*

**459 (Cross-listed with GEOG 459)**  
**Biogeography. (3)** Study of the geographical distributions of organisms, the evolutionary and ecological processes underlying the patterns of distribution, and the role of biogeography in biological conservation. *Not open to students with credit in GEOG 459. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better), or consent of instructor.*

**466 Biotechnology. (3)** Issues covering the genetic and cellular manipulation of organisms to produce natural products and processes that are of major economic, environmental, and social importance will be examined. Laboratory projects involve DNA manipulation of bacteria. *Prerequisites: MICR 200 (C grade or better), and one of the following: BIOL 330 or BIOL 340, or permission of the instructor.*

**470 Seminar. (1, repeatable to 2)** Seminar for senior Biology majors.

**476 Special Topics. (3, repeatable to 9 for different topics)** This course explores a topic in biology of current interest. See course schedule for description. *Only 6 s.h. may count toward a major. Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

**477 Research Experience in Biology. (1-12, repeatable to 12)** Research experience with a Biological Sciences faculty member. A final report and/or seminar may be required. *Maximum of 3 s.h. may be applied to major or minor. Prerequisites: sophomore standing; BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better); and permission of instructor.*  
*Arrange research project with faculty member and department chair before registration.*

**478 Honors Thesis in Biological Sciences. (1)** A thesis prepared under the direction of one or

more faculty members. Satisfactory oral defense of thesis required before credit is given for the course. *Prerequisites: Honors major in Biology with senior standing; completion of BOT/ZOOL/MICR 477H.*

**479 Tropical Ecology. (3)** Introduction to tropical ecology. This course may include travel to a tropical site. Students will be responsible for trip expenses. *Prerequisite: BOT 200 (C grade or better), ZOOL 200 (C grade or better), and permission of instructor.*

**480 Field Natural History. (3)** A course designed to introduce students to local ecosystems and the species that exist within them. The course will emphasize species identification, natural history, and interpretation. *Prerequisite: C or better in one of the following: BIOL 100, BOT 200, RPTA 111, ZOOL 200; or permission of instructor.*

**482 (Cross-listed with CHEM/GEOL/METR/PHYS 482) Science in Context. (3)** Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in CHEM/GEOL/METR/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, Geology, or Meteorology; ENG 280; or permission of instructor.*

**495 Internship in Biology. (1-12, repeatable to 12)** Practical experience in the Biological Sciences with an approved employer. 40 contact hours per credit hour and a written report are required. *Maximum of 3 s.h. may be applied to major or minor. Prerequisites: 60 s.h. and permission of the department chair. Graded S/U only.*

**499 Assessment of Biological Knowledge. (0)** Students pursuing a bachelor's degree through the Biological Sciences Department are required to take this course in their last semester. Students will complete an assessment on their knowledge of biological concepts. *Prerequisites: BOT 200, MICR 200, and ZOOL 200; senior standing in the Department; permission of the instructor. Graded S/U only.*

## BIOLOGICAL SCIENCES EDUCATION

**239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum)** Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established departmental criteria for admittance to TEP. *Graded S/U.*

**339 Pre-Student Teaching Clearance. (0)** Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for departmental clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U.*

**439 Methods of Teaching Middle and High School Science. (3)** Study of secondary teaching methods (Grades 6-12) from the standpoints of theory and practice, curriculum objectives

# Biological Sciences

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and standard implementation, materials, and evaluation and assessment. Included are demonstrations, discussions, lectures, classroom participation, and field observations. *Prerequisites: BIOL/GEOL 181 or GEOG/PHYS 182, BIOL/CHEM/GEOL/METR/PHYS 381, and EDS 301 (all with C- grade or better). Corequisite: EDS 303.*

**469 Pre-Licensure Clearance. (0)** Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the department in order to be recommended for licensure. *Prerequisite: departmental clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U.*

**480 Student Teaching.** See STCH 480.

**481 (Cross-listed with CHEM/GEOL/METR/PHYS 481) Techniques and Issues in Science Teaching.** (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in CHEM/GEOL/METR/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

## BOTANY (BOT)

**200 Introduction to Plant Biology. (4) (General Education/Natural Sciences)** A lecture and laboratory course recommended for science majors and minors, emphasizing basic principles in plant biology including scientific inquiry, cell biology, genetics, ecology, evolution, and diversity in plant anatomy and physiology. *IAI: BIO 910 as BOT/ZOOL 200 sequence.*

**210 Local Flora. (3)** Identification, ecology, and distribution of common trees, shrubs, flowers, and other plants of Illinois.

**320 Plant Anatomy. (3)** Structure and development of vascular plant organs. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**329 Plant Structure & Function. (3)** A study of plant structure and function including photosynthesis, photoperiodism, tropisms, water and mineral uptake and transport, and an understanding of the angiosperm life cycle. *Closed to students who have taken BOT 320 or BOT 430. Prerequisite: BIOL 100 or HORT 180 or ZOOL 200 (C grade or better) or consent of instructor.*

**357 (Cross-listed with HORT 357) Cannabis Biology and Production. (3)** Lecture/lab/field course on the biology and agricultural use of *Cannabis sativa* (industrial hemp) including cannabis anatomy, physiology, breeding, propagation methods, management techniques, reintroduction into farming crop rotation, commercial production strategies, post-harvest processing, and product applications. *Not open to students with credit in HORT 357. Prerequisite: AGRN 176, BOT 200, or HORT 180; BOT 329 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

**410 Plant Systematics. (3)** The basic systems, principles, and methods of plant systematics;

the identification and classification of Illinois vascular plants. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**423 Phycology. (3)** Morphology, taxonomy, physiology, genetics, and ecology of the algae, particularly freshwater forms. *May not be taken by students who have completed MICR 423. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**430 Plant Physiology. (3)** Physiological processes of plants as an interaction of structure, chemistry, physical characteristics, and environment. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BOT 200 (C grade or better); ZOOL 200 (C grade or better); one year of Chemistry; ENG 280.*

**452 Freshwater Biology. (3)** Common freshwater organisms and some of their relationships to one another, to their environment, and to people. *May not be taken by students who have completed ZOOL 452. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**463 (Cross-listed with ANTH 463) Ethnobotany. (4) (Global Issues)** A survey of how indigenous people use and classify plants in comparison to modern, scientific principles of botany and plant chemistry, and the use of traditional knowledge by modern science. *May require field work travel at student expense. Not open to students with credit in ANTH 463. Prerequisites: BIOL 100, 101; BOT 200 (C grade or better); ZOOL 200 (C grade or better); ANTH 110 or SOC 100; or permission of instructor.*

**476 Special Topics. (3-9, repeatable to 9 for different topics)** This course explores a topic in botany of current interest. See course schedule for description. *Only 6 s.h. may count toward major. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**481 Experimental Plant Biology. (3)** A laboratory oriented course providing experience in designing, implementing, analyzing, and reporting botanically-oriented experiments. Field experiments, greenhouse experiments, and laboratory experiments will be conducted, spanning a range of investigations from plant physiology to community ecology. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

## MICROBIOLOGY (MICR)

**200 Introductory Microbiology. (4) (General Education/Natural Sciences)** A lecture and laboratory course recommended for science majors and minors, providing an introduction to microorganisms with emphasis on the biology, methodology, and applied aspect of viruses, bacteria, fungi, algae, protozoa, and slime molds.

**400 Bacteriology. (3)** Cultural, morphologic, and metabolic properties and methods of isolation of bacteria as related to home and community life, industry, medicine, and agriculture. *Prerequisites: one year of Chemistry; BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

**401 Mycology. (3)** An introduction to the biology of the fungi emphasizing their morphology, ecology, physiology, and applied aspects, as well as laboratory techniques used in

isolation, culture, and identification. *Prerequisites:* BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better), or permission of instructor.

**405 Virology. (3)** A study of the biological characteristics of animal, plant, and bacterial viruses and the viruses which cause disease. *Prerequisites:* BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).

**423 Phycology. (3)** Morphology, taxonomy, physiology, genetics, and ecology of the algae, particularly freshwater forms. *May not be taken by students who have completed BOT 423.* *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**425 (Cross-listed with CHEM 425)**

**Biochemistry of Human Disease. (4)**

Biochemical aspects of human diseases with emphasis on cancer and genetic disorders. The course focuses on biochemical principles of disease development and contemporary biochemistry and molecular biology methods and approaches for drug development and cancer treatments. *Not open to students with credit in CHEM 425.* *Prerequisites:* BIOL 330 and CHEM 421. 3 hrs. lect.; 3 hrs. lab.

**434 Immunology. (3)** A study of antigens and antibodies, the immune response and immunity, immunologic testing, allergy and hypersensitivity, transplantation, autoimmune diseases, and cancer immunology. Laboratory includes selected immunologic techniques. *Prerequisites:* BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better); one year of Chemistry.

**451 Environmental Microbiology. (3)** An exploration of how microorganisms interact in the environment and how this knowledge of microbiology can be used to address environmental issues such as ecosystem health, pollutant bioremediation, pathogen transport, sustainable agriculture, water quality, and wastewater treatment. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites:* BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better), and ENG 280; or permission of instructor.

**460 Parasitology. (3)** Ecology and evolutionary relationships of parasitic eukaryotes. Emphasis on parasites of humans. *May not be taken by students who have completed ZOOL 460.* *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**463 Pathogenic Bacteriology. (3)** The study of bacteria, rickettsia, mycoplasma, and chlamydia which cause disease in humans. *Prerequisites:* BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).

**464 Medical Mycology. (3)** The study of fungi which cause disease in humans. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**465 Industrial and Fermentation**

**Microbiology. (3)** Examines the commercial use and large-scale cultivation of microorganisms to produce natural products and processes of major economic, environmental, and social importance. Laboratory exercises in microbial fermentation processes. *Prerequisites:* BOT 200 (C grade or

better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).

## ZOOLOGY (ZOOL)

**200 Introduction to Animal Biology. (4)** **(General Education/Natural Sciences)** A lecture and laboratory course recommended for science majors and minors, emphasizing basic principles in animal biology including scientific inquiry, cell biology, genetics, ecology, evolution, and diversity in animal anatomy and physiology. *IAI: BIO 910 as BOT/ZOOL 200 sequence.*

**320 Vertebrate Embryology. (3)** Development of the vertebrate body and its organs. Provides a basis for understanding adult anatomy. Both lecture and laboratory are descriptive. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**321 Comparative Anatomy. (3)** Anatomy of the vertebrates studied from the viewpoint of their evolutionary history. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better); junior standing or consent of the instructor.

**325 Vertebrate Evolution. (3)** The evolutionary history of the vertebrates, emphasizing macroevolutionary trends in vertebrate diversity and skeletal functional morphology. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better) or GEOL 112 or ANTH 111.

**330 Human Anatomy and Physiology I. (4)** An integrated study of the organ systems of the normal human body. Subjects covered include cells, tissues, skeletal, muscular, central, and autonomic nervous systems. Laboratory includes cat dissection and appropriate physiological experiments. *Prerequisite:* BIOL 101 (C grade or better) or ZOOL 200 (C grade or better) or MICR 200 (C grade or better), or permission of the instructor.

**331 Human Anatomy and Physiology II. (4)** A continuation of ZOOL 330. The topics included are the endocrine, respiratory, cardiovascular, digestive, metabolic, urinary, and reproductive systems. *Prerequisite:* ZOOL 330.

**410 Ornithology. (3)** Identification, biology, ecology, and life histories of birds. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better). *Frequent field trips.*

**411 Entomology. (3)** Principles of entomology, including classification, general biology, and morphology. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**412 Mammalogy. (3)** Identification, classification, distribution, and life histories of mammals. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**413 Herpetology. (3)** Identification, classification, distribution, and biology of reptiles and amphibians. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better).

**414 Ichthyology. (3)** Identification, classification, distribution, and life histories of fishes. *Prerequisites:* BOT 200 (C grade or better) and ZOOL 200 (C grade or better). *Estimate of field trip costs: \$10.00. Outside field trips required.*

**415 Invertebrate Zoology. (3)** A study of invertebrate form and function as it relates to taxonomy, evolution, ecology, behavior, and

# Biological Sciences

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physiology. Laboratory will involve comparative experimental and observational approaches. *Prerequisite: ZOOL 200 (C grade or better).*

**417 (Cross-listed with ANTH 417) Primate Ecology, Behavior and Evolution.** (3) This course takes an interdisciplinary approach to primatology utilizing principles from anthropology, ecology, paleontology, and animal behavior. Students gain an understanding of the evolutionary history, adaptations, and conservation of primates and their habitats. *Not open to students with credit in ANTH 417.* *Prerequisite: ANTH 111 or ZOOL 200 (C grade or better) or permission of instructor. Junior standing recommended.*

**420 Biology of Aging.** (3) Introduction to the nature and theories of aging. A study of the processes involved at the molecular, cellular, organ, and organismal levels of development and the changes that occur with time. Relationships between aging and immunity, neoplasia, and systems integration are explored. Emphasis on humans. *Prerequisites: BIOL 100 and 101 or BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**430 Animal Physiology.** (3) Systemic physiology, concerning the functions of nervous, muscular, respiratory, digestive, excretory, reproductive, and endocrine systems. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: BOT 200 (C grade or better); ZOOL 200 (C grade or better); one year of Chemistry; ENG 280.*

**432 Neurobiology.** (3) Provides a quantitative understanding of neurophysiology in the context of neural systems that underlie animal behavior. Laboratory uses animal preparations and computer models. *Prerequisites: MATH 123 (or higher) with a grade of C or better, and either BIOL 100 (or higher) or PSY 343 with a grade of C or better, and minimum of junior standing; or permission of instructor.*

**451 Advanced Topics in Animal Ecology.** (3) Relationships of animals to their environment. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: BIOL 350, ZOOL 200 (C grade or better), and ENG 280.*

**452 Freshwater Biology.** (3) Common freshwater organisms and some of their relationships to one another, to their environment, and to man. *May not be taken by students who have completed BOT 452.* *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**455 Fisheries Techniques.** (3) A field course in professional fisheries techniques, including native fish collection and identification, data collection, analysis, and presentation. *Prerequisites: BIOL 350 (C grade or better), BOT 200 (C grade or better), and ZOOL 200 (C grade or better); or permission of the instructor.*

**460 Parasitology.** (3) Ecology and evolutionary relationships of parasitic eukaryotes. Emphasis on parasites of humans. *May not be taken by students who have completed MICR 460.* *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**461 (Cross-listed with NURS 461)**

**Pathophysiology.** (4) Alteration in physiology, pathogenesis of structure and function of

the human body leading to disease, and manifestations of disease states are discussed. In addition, body system interaction is analyzed in maintaining physiological homeostasis during disease/ altered states. *Not open to students with credit in NURS 461.* *Prerequisites: MICR 200 (C grade or better), ZOOL 330 and ZOOL 331; or consent of instructor.*

**476 Special Topics.** (3–9, repeatable to 9 for different topics) This course explores a topic in zoology of current interest. See course schedule for description. *Only 6 s.h may count toward major.* *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

**485 (Cross-listed with RPTA 485) Resource Management for Fly Fisheries.** (3) Students will learn trout stream ecology and management, and gain fly-fishing experience. Course includes a one-week trip to a stream for students to meet with resource professionals and to practice their skills. *Not open to students with credit in RPTA 485.* *Prerequisite: One of the following: BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better), RPTA 110, RPTA 111, or permission of instructor.*

## CLINICAL LABORATORY SCIENCE (CLS): CLINICAL TOPICS IN CLINICAL LABORATORY SCIENCE

Hospital-based lecture and clinical laboratory courses in an accredited and affiliated school of medical technology. Students will register for 15 s.h. for Fall semester and 15 s.h. for Spring semester. Total hours approximately 30–32 s.h.

**490 Clinical Chemistry I.** (1–6, repeatable to 6) Theory and practice of analytical biochemistry as applied to pathologic states, methodology, and instrumentation. Statistics as applied to reagent preparation, result determination, and quality control. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**491 Clinical Chemistry II.** (1–6, repeatable to 6) Theory and practice of analytical biochemistry as applied to specialized tests for drugs, endocrine function, and urine and body fluid analysis. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**492 Clinical Microbiology I.** (1–6, repeatable to 6) Theory and practice of the isolation and identification of pathogenic bacteria in clinical specimens through cultures, morphology, biochemical, and serological reactions and their drug susceptibility. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**493 Clinical Microbiology II.** (1–6, repeatable to 6) Theory and practice of the isolation and identification of fungi, parasites, and viruses utilizing morphological, cultural, biochemical, and serological methods. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**494 Clinical Immunology.** (1–5, repeatable to 5) The study of principles of the protective and adverse aspects of cellular and humoral responses. Performance of test procedures based on antigen-antibody reactions. *Prerequisite:*

*acceptance for clinical education into an affiliated school of medical technology.*

**495 Clinical Homeostasis. (1-4, repeatable to 4)** The study of platelets, vascular, coagulation, and fibrinolytic systems related to the disease state and therapeutic monitoring. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**496 Clinical Hematology. (1-6, repeatable to 6)** The study of the formed elements of the blood and basic morphological changes due to diseases. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**497 Clinical Immunohematology. (1-5, repeatable to 5)** Theory and practice of immunohematology, including blood groups, blood transfusion, and component preparation. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

**499 Selected Topics. (1-4, repeatable to 4)** Selected topics of professional significance which may include management, pathology, medico-legal aspects, and basic teaching principles. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

# Broadcasting and Journalism

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**Chairperson:** Dr. Peter J. Gловички  
**Office:** Sallee Hall 300A  
**Telephone:** (309) 298-2888  
**Email:** PJ-Gловички@wiu.edu  
**Website:** [wiu.edu/bcj](http://wiu.edu/bcj)

## Program Offerings and Locations

- Bachelor of Arts in Broadcasting and Journalism: Macomb
- Minor in Advertising and Public Relations: Macomb
- Minor in Broadcasting and Journalism: Macomb
- Minor in Sports Broadcasting: Macomb

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Buss, Clayton, Egan, Gловички, Go, Martin, Ngwe Ali, Parker, Peters, Tang.

## GradTrac

GradTrac is available to Broadcasting and Journalism majors. See page 79 for information about GradTrac.

## Honors Curriculum

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Integrated Baccalaureate and Master's Degree Program

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Broadcasting and Journalism (Sports Broadcasting option): Master of Science in Sport Management. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## Department Information

The Department of Broadcasting and Journalism is proud to provide students with a variety of hands-on learning opportunities. Our students create live, student-produced and student-announced WIU sports productions in partnership with ESPN+ and operate the WIUS-FM "The Dog" radio station, which broadcasts 24 hours a day, 365 days a year. We also broadcast a live, weekly television newscast on NEWS3 and run our student news outlet, *The Western Courier*. WIU student media can be found at [theproxycourier.com](http://theproxycourier.com).

Students are encouraged to enter their work in state, regional, and national competitions. Our students regularly receive awards and recognition, which provides them a competitive edge when securing internships and jobs.

## Degree Program

### Bachelor of Arts—Broadcasting and Journalism

All students seeking the Bachelor of Arts in Broadcasting and Journalism must complete I, II, III.A or III.B or III.C or III.D, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses..... BC&J 100, 101, 200†, 201, 400†	15 s.h.
III.	Options of Study (Select A, B, C, or D).....	24 s.h.
A.	Advertising and Public Relations	
1.	Option Courses..... BC&J 340, 341; MKTG 327, 331	12 s.h.
2.	Directed Electives	
a.	One of the following sequences:..... i. Advertising: BC&J 342, 343, 344† ii. Public Relations: BC&J 345, 346†, 456	9 s.h.
b.	Any BC&J 300- or 400-level elective course.....	3 s.h.
B.	Broadcast Production	
1.	Option Courses..... BC&J 112, 212, 311, 312, 331, 410, 450	21 s.h.
2.	Directed Elective..... Any BC&J 300- or 400-level elective course	3 s.h.
C.	Multimedia Journalism	
1.	Option Courses..... BC&J 230, 330†, 331, 332, 430, 431, 432	21 s.h.
2.	Directed Elective..... Any BC&J 300- or 400-level elective course	3 s.h.
D.	Sports Broadcasting	
1.	Option Courses..... BC&J 120, 212, 220, 221, 320, 321, 420	21 s.h.
2.	Directed Elective..... Any BC&J 300- or 400-level elective course	3 s.h.
IV.	Any Approved Minor.....	16–21 s.h.
V.	Open Electives .....	17–22 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) a Broadcasting and Journalism (BC&J) global issues course; or 4) an approved Study Abroad program.

† BC&J 200 and 400 and either BC&J 344 or 346 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Advertising and Public Relations option. BC&J 200 and 400 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Broadcast Production and Sports Broadcasting options. BC&J 200 and 330 and 400 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Multimedia Journalism option

# Broadcasting and Journalism

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## Minors

### Minor in Advertising and Public Relations ..... 18 s.h.

**Note:** This minor is not open to students who are enrolled in the Advertising and Public Relations option of the Broadcasting and Journalism major.

1. Core Courses: BC&J 200, 340, 341 ..... 9 s.h.

2. Select three of the following courses:

BC&J 342, 343, 344, 345, 346, 451, 456 ..... 9 s.h.

**Note:** Students minoring in Advertising and Public Relations may enroll in BC&J 451 for 3 s.h. only.

### Minor in Broadcasting and Journalism ..... 18 s.h.

1. Core Courses: BC&J 100, 101 ..... 6 s.h.

2. Directed Electives ..... 12 s.h.

a. Select either BC&J 200 or 201

b. BC&J Electives, two of which must be at the 300-400 level

### Minor in Sports Broadcasting ..... 18 s.h.

**Note:** This minor is not open to students who are enrolled in the Sports Broadcasting option of the Broadcasting and Journalism major.

BC&J 120, 220, 221, 320, 321, 420 ..... 18 s.h.

## Course Descriptions

### BROADCASTING AND JOURNALISM (BC&J)

**Applied Studies (Practica).** (1 s.h./semester, repeatable to a maximum of 10 semesters) Instruction in and practical application of sports broadcasting announcing, production, or reporting techniques for various sports. Prerequisites: Written consent of instructor. Enrollment in upper division courses (300 level) requires a grade of C or better in the lower division prerequisite course (200 level) having the same title.

**260/360** Football Announcing

**261/361** Basketball Announcing

**262/362** Soccer Announcing

**263/363** Volleyball Announcing

**264/364** Baseball Announcing

**265/365** Softball Announcing

**266/366** Radio Sports Talk

**267/367** Board Operations for Sports

**268/368** Football Production

**269/369** Basketball Production

**270/370** Soccer Production

**271/371** Volleyball Production

**272/372** Baseball Production

**273/373** Softball Production

**274/374** Interactive Media Sports Production

**276/376** Sports Reporting

**100 Introduction to Mass Communication.**

(3) Introduction to the historical, programming,

physical, legal, social, and economic aspects of the mass media.

**101 Digital Media Production I.** (3)

Introduction to digital media production including electronic field production (EFP) and studio camera theory and operation, and editing with an industry-relevant nonlinear digital editing platform. Not open to students who have completed BC 261.

**112 Audio Production I.** (3) Introduction to audio production techniques, from simple voice and field recording to multitrack mixdown procedures. Content produced will be suitable for broadcast and internet distribution. Not open to students who have completed BC 250.

**120 Sports, Media and Society.** (3) A critical analysis of issues in sports media and the history of sports broadcasting in American culture. Examines the ethics, literature, racial and gender issues, and the business of sports broadcasting.

**200 Introduction to AP Writing and Reporting.** (3) Foundation course in gathering and writing news according to Associated Press style guidelines. Exercises in the assessment of newsworthiness in the coverage of local and regional events. *Writing Instruction in the Disciplines (WID) course.*  
*IAI: MC 919.*

**201 Introduction to Broadcast Writing and Reporting.** (3) Foundation course in the gathering, writing, and presentation of news for the traditional broadcast and modern electronic media.

**212 Introduction to Studio Production.** (3) Introduction to studio-based, live and live-to-tape television production. Students acquire creative and technical skills and learn how to work as a production team. Course will prepare students for internships and careers in studio production.

## **220 Multimedia Sports Writing. (3)**

Fundamentals of the sports writing process for broadcast, streaming, and web-based media. Includes an overview of the history of broadcast sports writing in American culture. *Prerequisite: BC&J 120.*

## **221 Interactive Web Sportscasting. (3)**

Examination of and instruction in new media technologies to deliver sports media content. Emphasis on the interactive nature of the online experience as it changes traditional notions of presentation and distribution.

## **230 Multimedia Performance. (3)**

Development of basic audio and video announcing and performance skills. *Prerequisite: BC&J 100.*

## **285 Broadcasting Practicum. (1, repeatable to 4)**

Opportunity for freshmen and sophomores to participate in live multimedia coverage of sporting events, to work at student radio station WIUS-FM, and to assist with Broadcasting Department video productions and other production and operation activities.

## **290 (Cross-listed with ENG 290) Introduction to Film. (3) (General Education/Humanities)**

Screening and discussion of films from around the world, introducing students to selected traditions, questions of social justice, and methods of interpretation (with laboratory). *Not open to students with credit in ENG 290.*  
*IAI: F2 908.*

## **302 Broadcast Research and Writing II.**

(3) Examination of story structure, dialogue writing, and character development techniques for broadcast content. Exploration of non-scripted and scripted broadcast writing methods. *Prerequisites: BC&J 201; BC&J 101 and 112 with grades of C or better.*

## **311 Digital Media Production II. (3)**

Selected topics of interest in digital media production such as, but not limited to, corporate video, animation, documentary, and interactive media content production. *Prerequisites: BC&J 101 and 112 with grades of C or better.*

## **312 Audio Production II. (3)**

Selected topics of interest in audio production such as, but not limited to, radio/talk production, music program production, internet radio, and other emerging audio technologies. *Prerequisites: BC&J 101 and 112 with grades of C or better.*

## **320 Sports Production I. (3, repeatable to 6)**

Theory and practice of remote radio and television sports production for volleyball, soccer, and baseball. *Prerequisites: ENG 180 and 280.*

## **321 Broadcast Sports Performance. (3)**

Students receive instruction on play-by-play announcing and on the preparation and extemporaneous discussion of player and team statistics and other appropriate sports-related information. *Prerequisite: junior standing.*

## **322 Sports Writing. (3)**

Development of reporting skills needed to cover traditional and new sports; development of critical thinking to clarify rules, regulations, and problems in sports. *Prerequisites: BC&J 100 and 200, or consent of instructor.*

## **323 Diversity across Broadcasting and Journalism. (3)**

A survey of the history, theory, and impact of diverse voices and diverse audiences across the 20th and 21st centuries in

broadcasting and journalism. *Prerequisites: BC&J 100 or consent of instructor.*

## **330 Magazine and Feature Writing. (3)**

Practice in writing and placing fact-based articles for general-interest and specialized magazines, and for newspapers. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BC&J 100 and 200, or consent of instructor.*

## **331 Multimedia News Reporting. (3)**

Production of self-contained news stories for the BC&J department's newscasts and on the department website and student radio station. Students are responsible for all aspects of production, from identification of the story and reporting performance to final editing. *Prerequisites: junior standing; BC&J 101 with a grade of C or better; BC&J 201.*

## **332 Multimedia News Editing. (3)**

Techniques of news editing for various media, including evaluation and processing of news, practice in copy editing, headline and lead writing, picture editing, and editing for online audio/video streaming and reading. *Prerequisites: BC&J 100 and 200, or consent of instructor.*

## **333 (Cross-listed with ENG 333) The Hollywood Studio System: Structure & Process.**

(3) Analysis of the American film industry, with an emphasis on the structure of the studio system. Comparison of the historical period with the current corporate structure of the industry. *Does not count for the Broadcasting and Journalism minor. Not open to students with credit in ENG 333. Prerequisite: ENG/BC&J 290.*

## **340 Fundamentals of Public Relations.**

(3) Principles, methods, and activities used by individuals, corporations, governmental bodies, and organizations to promote a favorable relationship with their publics. *Open to non-majors.*

## **341 Advertising Principles and Practice.**

(3) Advertising fundamentals; economic and social issues; research needs; and creative and production practices of advertising agencies. *Open to non-majors.*

## **342 Creative Strategy in Advertising.**

(3) Techniques and strategies used to create advertising including those related to design, graphics, makeup, and production. *Prerequisites: BC&J 100 and 341, or consent of instructor.*

## **343 Advertising Media Planning. (3)**

Analysis of the various advertising media in terms of markets served, client needs, media interactions, and message factors considered in the planning and selection of media. *Prerequisites: BC&J 100 and 341, or consent of instructor.*

## **344 Advertising Copy and Layout. (3)**

Principles and practice of writing advertising copy for mass media; using technology to prepare layouts; portfolio development. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BC&J 100 and 341, or consent of instructor.*

## **345 Public Relations Strategy and Campaigns.**

(3) Analysis of public relations problems and procedures; practice in applying social science principles and research techniques to solve public relations problems; preparing public relations materials. *Prerequisites: BC&J 100 and 340, or consent of instructor.*

# Broadcasting and Journalism

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**346 Public Relations Writing: Techniques and Style.** (3) Techniques of public relations writing for print and broadcast media, and for special audiences; public relations research; legal considerations. *Writing Instruction in the Disciplines (WID)* course. Prerequisite: BC&J 100 or consent of instructor.

**350 Broadcasting and Society.** (3) Traces the development of broadcasting as a major cultural form in the twentieth and twenty-first centuries through a critical review of historic and contemporary literature. *BGS online writing course.*

**351 Comparative Broadcasting Systems.** (3) **(Global Issues)** Classification and analysis of the structure of international broadcast systems. The role of media in developing nations, as well as CATV, public broadcasting, and satellite communication systems are discussed. *BGS online writing course.* Prerequisite: junior standing.

**352 Mass Media and Minorities.** (3) **(General Education/Multicultural Studies)** Examination of relationships between minority groups and mass media. Reviews the portrayals of minorities in the electronic media and discusses effects on our society. *BGS online writing course.*

**353 International Communication and the Foreign Press.** (3) **(Global Issues)** Comparative study of journalism practices and of the mass media in representative countries; factors that determine the international flow of news. Open to non-majors. Prerequisite: junior or senior standing.

**354 History of Mass Communications.** (3) History of journalism and the mass media in the context of political, social, and economic change with an emphasis on press freedom and responsibility. Open to non-majors. Prerequisite: junior or senior standing.

**355 Photojournalism.** (3) Digital photojournalism: the production of news and feature page photographs as singles, spreads, stories, and essays. Prerequisite: BC&J 200 or consent of instructor.

**356 Reviewing and Criticism.** (3) Practice in reviewing books, plays, films, concerts, radio-television programs, and exhibits. Prerequisites: BC&J 100 and 200, or consent of instructor.

**357 Editorials.** (3) Practice in writing editorials and columns with an emphasis on calling for action, taking a position, analyzing events, and supporting assertions with research. Prerequisites: BC&J 100 and 200, or consent of instructor.

**385 Production Practicum I.** (1) Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services or production of broadcast content. Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor.

**386 Production Practicum II.** (1) Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services or production of broadcast content. Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor.

**390 (Cross-listed with ENG 390) Film History.** (3) This course is an historical survey that

covers the international history of cinema from its origins to the present. It considers issues including the development of national film industries, national and international film movements, and the social history of film (with laboratory). Not open to students with credit in ENG 390. Prerequisite: ENG/BC&J 290 or consent of instructor.

**394 (Cross-listed with ENG 394) Documentary Film and Video.** (3) History of documentary film and video with focus on the documentary as a medium of communication, information, and interpretation (with laboratory). Not open to students with credit in ENG 394.

**400 Mass Communication Law and Ethics.** (3) Legal rights and constraints on the mass media. Topics include prior restraint, source protection, libel, privacy invasion, indecency and the safe harbor, and other legal and ethical issues. Includes print, broadcast, satellite/cable, and web-based mass media. *Writing Instruction in the Disciplines (WID)* course. Prerequisite: Upper division standing or permission of instructor.

**402 Advanced Broadcast Writing.** (3) Students will write longer and more complex screenplays. Students will see projects through from idea through revisions to completed scripts. Regular critiques of student writing. Prerequisite: BC&J 302 with a grade of C or better.

**410 Digital Media Graphics.** (3) Students design computer graphics and animation. Projects include news anchor boxes, graphic backgrounds, and animated feature introductions. Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor; ENG 180 and 280.

**420 Sports Production II.** (3, repeatable to 6) Theory and practice of remote radio and television sports production for football, basketball, softball, and baseball. Students produce and direct coverage of sporting events. Prerequisite: BC&J 320.

**430 Digital Media Skills for Journalists and Public Relations Practitioners.** (3) The course will enhance digital media skills such as social media tools, multiplatform storytelling, and data visualization so students know how to generate and deliver news stories to web-based audiences. Prerequisite: BC&J 200 or consent of instructor.

**431 Problems in Contemporary Mass Communication.** (3) Research into current social, economic, political, and professional problems affecting the mass media. Open to non-majors. Prerequisite: junior or senior standing.

**432 Multimedia News Producing.** (3, repeatable to 6) Students produce and direct the BC&J department's newscasts and make content for the department website and student radio station. Students act as assignment editors, photographers, and reporters, and polish skills learned in earlier classes. Prerequisites: BC&J 101 with a grade of C or better and BC&J 201 with a grade of C or better.

**447 Sports and Public Relations.** (3) Introduction to public relations techniques and strategies used in sports, including those related to creating sports public relations campaigns, managing the sports organizations, and media relations. Prerequisite: junior standing or permission of instructor.

**450 Senior Workshop in Production. (3)**

Capstone course in which Production emphasis majors create their own audio or video programs using journalistic, art, and entertainment forms found in news, drama, narration, and comedy. Students may perform published work or write their own. *Prerequisites: Senior standing; BC&J 311 or 312.*

**451 Field Work in Journalism. (1-12, repeatable to 12)**

Credit for internships at newspapers, magazines or other publications, or in advertising or public relations offices. *By arrangement. See department chair or Journalism coordinator. No more than 6 s.h. can be used in the Journalism major, and no more than 3 s.h. of that can count toward the 400-level elective requirement. Prerequisite: junior or senior standing.*

**452 Independent Research in Communication. (1-6, repeatable to 6)**

Individual reading or research under supervision of the faculty. Open to juniors and seniors who have demonstrated competence in broadcasting, communication, rhetoric, public address, or the speech-language-hearing sciences. *Prerequisites: ENG 180 and 280; consent of instructor and department chairperson.*

**453 Senior Honors Thesis Research. (3)**

Bibliographic and other preliminary work in preparation for a senior honors thesis (see BC&J 454). Students will produce a final, graded project for this course. *This course may not be taken concurrently with BC&J 454. Prerequisites: ENG 180 and 280; students must be in good standing in the Centennial Honors College and must be second-semester juniors or first-semester seniors major in Broadcasting.*

**454 Honors Thesis. (3)** Students will write a senior honors thesis. *This course may not be taken concurrently with BC&J 453. Prerequisites: BC&J 453; ENG 180 and 280; students must be in good standing in the Centennial Honors College and must be seniors major in Broadcasting.*

**455 Broadcast Internship. (3)** Senior practicum at a selected professional broadcast production center for a semester. In addition to a prescribed work schedule, the intern must submit regular station activity reports. *Prerequisites: BC&J 312, 320, or 331; ENG 180 and 280; permission of internship coordinator; 2.50 GPA. Graded S/U only.*

**456 International Public Relations. (3) (Global Issues)** Comparative study of the nature, scope, and practice of international public relations for businesses, trade associations, nonprofit organizations, and educational and governmental institutions. Global and intercultural aspects of public relations will be emphasized. *Open to non-majors. Prerequisite: BC&J 340 or consent of instructor.*

**458 Mass Communications Research Methods. (3)**

Introduction to questionnaire construction, sampling, research design, and statistical methods used in mass communications research including those in advertising and public relations. *Open to non-majors. Prerequisite: junior or senior standing.*

**459 Directed Study. (1-6, repeatable to 6)**

Opportunity for promising students of Journalism to pursue Journalism and mass communications material in depth. *By arrangement. See department chair or Journalism coordinator. Prerequisite: junior or senior standing.*

**460 Topics in Journalism. (3, repeatable for different topics)**

Discussion, research, and creation of content about special topics related to gathering, packaging, and presenting nonfiction material to an audience in various media, and how audiences receive and respond to the communication. *Prerequisites: BC&J 100 and 200.*

**485 Production Practicum III. (1)**

Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services or production of broadcast content. *Prerequisites: BC&J 101 and 112 with grades of C or better; or permission of instructor.*

**486 Production Practicum IV. (1)**

Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services for production of broadcast content. *Prerequisites: BC&J 101 and 112 with grades of C or better; or permission of instructor.*

**494 (Cross-listed with ENG 494 and WS 494) Women and Film/Television. (3)**

An overview of women in film and television that considers the on-screen images of women as well as the positions of women working behind the scenes (with laboratory). *Not open to students with credit for ENG 494 or WS 494. Prerequisites: ENG 180 and 280.*

**496 (Cross-listed with ENG 496) Topics in Film. (3)**

Study of major subjects and themes in film. Topics vary but may include intensive study of directors such as Alfred Hitchcock and Federico Fellini, or artistic movements such as Italian Neorealism, French New-Wave, Contemporary Spanish Cinema, or Russian Formalism. *Not open to students with credit in ENG 496. Prerequisites: ENG/BC&J 290, ENG/BC&J 390, and 6 s.h. in approved film minor electives, or permission of instructor.*

**499 Field Work in Broadcasting. (3)**

Supervised applied experience in a sports organization or news broadcasting organization. *Prerequisites: BC&J 312, 331, or 420; ENG 180 and 280; or permission of instructor.*

# **Chemistry**

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**Interim Chairperson:** Dr. T.K. Vinod

**Office:** Currens Hall 214

**Telephone:** (309) 298-1538

**Fax:** (309) 298-2180

**Email:** Chemistry@wiu.edu

**Website:** [wiu.edu/chemistry](http://wiu.edu/chemistry)

## **Program Offerings and Locations**

- Bachelor of Science in Chemistry: Macomb
- Bachelor of Science in Forensic Chemistry: Macomb
- Minor in Chemistry: Macomb
- Minor in Forensic Chemistry: Macomb
- Minor in Forensic Science: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Bellott, Chen, Determan, Huang, Jin, M. McConnell, Soendergaard, Song, Zhang.

## **Emeritus Faculty**

Klopfenstein, Made Gowda, J. McConnell, Terry, Venugopalan, Vinod, Wen.

## **GradTrac**

GradTrac is available to Chemistry majors with an option in Chemistry or Biochemistry. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Chemistry or Forensic Chemistry: Master of Science in Chemistry. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

Chemistry is the science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. It is the basis of the technology of the large-scale production of chemicals and chemical materials that are useful to

modern society. The study of Chemistry helps people understand the physical world and its workings.

The **Bachelor of Science in Chemistry** degree program provides graduates a wide range of career opportunities. Graduates of the B.S. in Chemistry who complete either the general Chemistry, Biochemistry, or Pharmacy options find employment in industry, government agencies, and non-profit organizations. Types of work include basic research, applied research, analytical services, product development, marketing and sales, and manufacturing. Persons who wish to become professional chemists should select the Chemistry option or the Chemistry option certified by the American Chemical Society. Persons desiring to become practicing biochemists should select the Biochemistry option or the Biochemistry option certified by the American Chemical Society. Both are recommended for students wishing to enter graduate school or seek employment in the chemical industry immediately upon graduation. The Pharmacy option targets those students who seek a career as a pharmacist (Pharm.D.) or pharmacologist (Ph.D.) but would also benefit students who wish to work in the pharmaceutical or biotech industries at the B.S. or M.S. level. The Pharmacy option is also useful to those students who are seeking careers in forensic pharmacology, pharmaceutical sales, or as certified pharmacy technicians, pharmacy assistants, and other healthcare professionals. The Science/Chemistry—Teacher Education option is designed to prepare students to become licensed to teach high school science with a specialization in Chemistry.

The **Bachelor of Science in Forensic Chemistry** prepares graduates with a strong Chemistry background and a specialization in forensic chemistry which will prepare them to work in modern laboratories at the local, regional, state, and federal levels. Graduates of the Forensic Chemistry program will be prepared for careers in modern crime laboratories and other law enforcement agencies as well as private chemical and pharmaceutical industries. ACS certification is available for the B.S. in Forensic Chemistry degree program.

The department also offers minors in Chemistry, Forensic Chemistry, and Forensic Science.

## Degree Programs

### Bachelor of Science—Chemistry

All students seeking the Bachelor of Science in Chemistry must complete I, II, and III.A, III.B, III.C, or III.D below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

**Note:** Students enrolled in this major may not minor in Forensic Chemistry or Forensic Science.

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|--|---------|
| I. University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) ..... | 55 s.h. |
|--|---------|
- Except Teacher Education students must complete the University General Education Curriculum Requirements—43 s.h. (p. 69)

# **Chemistry**

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II.	Core Courses.....	22 s.h.
	CHEM 201*, 202*, 241, 331, 332, 341	
III.	Options of Study (select A, B, C, or D)	
A.	Chemistry	
1.	Special Courses: CHEM 374, 375, 401†, 416, 442, 492.....	18 s.h.
2.	Departmental Electives .....	3 s.h.
3.	Other	
a.	CS 114 or higher .....	3 s.h.
b.	MATH 133*, 134*, 231.....	12 s.h.
c.	PHYS 211*, 212 or 124, 125 .....	8 s.h.
4.	Any minor .....	16 s.h.
B.	Biochemistry	
1.	Special Courses: CHEM 370 or 374, 416, 421, 422†, 425, 492 .....	18 s.h.
2.	Departmental Electives.....	4 s.h.
3.	Other	
a.	MATH 133*, 134*.....	8 s.h.
b.	PHYS 211*, 212 or 124, 125 .....	8 s.h.
c.	CS 114* or higher .....	3 s.h.
4.	Biology minor (Botany, Microbiology, or Zoology).....	17 s.h.
5.	Open Electives.....	1 s.h.
C.	Pharmacy	
1.	Special Courses: CHEM 263, 264, 370, 416, 421, 422†, 452, 492 .....	24 s.h.
2.	Other	
a.	MATH 133*; STAT 171* or 276 .....	7 s.h.
b.	PHYS 211*, 212 or 124, 125 .....	8 s.h.
c.	ZOOL 330 and 331 .....	8 s.h.
3.	Select one of the following minors: Microbiology, Neuroscience, or Zoology.....	17 s.h.
D.	Science/Chemistry—Teacher Education	
1.	Special Courses .....	43 s.h.
a.	CHEM 370 or 374 or 375; 342#; 401; 482† .....	15 s.h.
b.	BIOL 101*; CHEM 381, 481.....	8 s.h.
c.	GEOL 110* .....	4 s.h.
d.	PHYS 211*, 213.....	8 s.h.
e.	BIOL/GEOL 181; PHYS/GEOG 182 .....	8 s.h.
2.	Science Electives .....	0 s.h.
	Additional courses in Biology (BIOL, BOT, MICR, ZOOL), Chemistry, Geology, Geography, or Physics	
3.	Other .....	41 s.h.
	a. MATH 133*, 134*.....	8 s.h.
	b. EDUC 239, 339, 439, 469.....	3 s.h.
	c. EDS 202, 301, 303 (2 s.h.), 304 (1), 305, 401 .....	13 s.h.
	d. ENG 366.....	2 s.h.
	e. SPED 390.....	3 s.h.
	f. STCH 480.....	12 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course (including CHEM 342); or 4) an approved Study Abroad program.

\* University General Education course. 10–16 s.h. may count toward the Natural Sciences/Mathematics requirement.

† CHEM 401 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Chemistry non-teaching option. CHEM 422 fulfills the Writing

Instruction in the Disciplines (WID) graduation requirement for the Biochemistry and Pharmacy options. CHEM 482 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Science/Chemistry—Teacher Education option.

### Bachelor of Science—Forensic Chemistry

All students seeking the Bachelor of Science in Forensic Chemistry must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 124 s.h.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
II.	Core Courses..... CHEM 201*, 202*, 241, 251, 331, 332, 341	25 s.h.
III.	Specialty Courses..... A. CHEM 370 or 374..... B. CHEM 485 or 490..... C. CHEM 351, 416, 421, 452, 453, 455†, 492 .....	28 s.h. 4 s.h. 3 s.h. 21 s.h.
IV.	Other Requirements..... A. MATH 133*, MATH 134*, STAT 171*..... B. PHYS 211*, 212 or 124, 125..... C. LEJA 101, and 255 or 303 .....	32 s.h. 11 s.h. 8 s.h. 6 s.h.
	D. BOT 200* or ZOOL 200*..... E. Select at least 3 s.h. from the following:..... ANTH 405, BIOL 330, CS 305, GEOL 110*, MICR 200*	4 s.h. 3 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course (including CHEM 342); or 4) an approved Study Abroad program.	
*	University General Education course. 16 s.h. may count toward the Natural Science/Mathematics requirement.	
†	CHEM 455 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

### Minors

Minor in Chemistry.....	19–21 s.h.
1. Core Courses: CHEM 201, 202, and 330 or 331 .....	13 s.h.
2. Any two courses from: CHEM 332, 341, 342, 370/374, 375, 421, 425, 433.....	6–8 s.h.

Minor in Forensic Chemistry.....	20–21 s.h.
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*Note:* This minor is not open to students majoring in Chemistry.

1. Core Courses: CHEM 201, 202, 330, 440..... 17 s.h.
2. Select one of the following:..... 3–4 s.h.
  - a. CHEM 485—internship at a state laboratory with placement approval by minor advisor.
  - b. One course selected from: ANTH 405; BIOL 330; CHEM 342, 351, 421; MICR 200, 434; ZOOL 430

# **Chemistry**

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**Minor in Forensic Science ..... 19–20 s.h.**

**Note:** This minor is not open to students majoring in Chemistry.

1. Core Courses: CHEM 101, 102, 221, 440 ..... 16 s.h.
2. Select one of the following options: ..... 3–4 s.h.
  - a. CHEM 485—internship at a state laboratory with placement approval by minor advisor.
  - b. One course selected from: ANTH 405, BIOL 330, CHEM 342, MICR 200, MICR 434, ZOOL 430

## **Certification by the American Chemical Society**

Western Illinois University is approved by the American Chemical Society for undergraduate professional training in Chemistry and Biochemistry. Students who are pursuing the B.S. in Chemistry may qualify for certification by completing the following coursework:

### **Certification in Chemistry**

1. CHEM 201, 202, 331, 332, 333, 341, 374, 375, 401, 416, 421, and 442
2. CHEM 342, 409, 418, or 422
3. Elect one course from CHEM 485, 490, or 491
4. PHYS 211 and 212

### **Certification in Biochemistry**

1. CHEM 201, 202, 331, 332, 333, 341, 374, 375, 401, 416, 421, 422, 425, 442, 485/490/491
2. PHYS 211 and 212

## **Recommended High School Subjects for Students Planning to Major in Chemistry**

1. English: four years
2. Mathematics: four years
3. Chemistry: one year
4. Physics: one year

## **The First-Year Course in Chemistry**

1. Students requiring two or more years of Chemistry should take CHEM 201 and 202.
2. Students requiring only one year of Chemistry or Forensic Science minor should take CHEM 101 and 102.
3. Students without one year of Chemistry in high school are required to take CHEM 100 before taking CHEM 101 or 201.

## **Course Descriptions**

### **CHEMISTRY (CHEM)**

*Illinois law requires that safety goggles must be worn in all laboratory classes (Senate Bill 1190). Students enrolled in Chemistry laboratory courses are required to purchase safety goggles. A lab use charge applies to all Chemistry laboratory courses.*

**100 Introduction to Chemistry. (3)** For those students who have completed less than the equivalent of one year of high school Chemistry. Introduces the fundamental concepts of

Chemistry including matter, atomic structure and periodicity, stoichiometry, some descriptive Chemistry. *Prerequisites: one year high school algebra or MATH 100 or 110. 3 hrs. lect.*

**101 Principles of Chemistry I. (4) (General Education/Natural Sciences)** A survey for students who do not plan to take Chemistry beyond the 100 level. Application of the general principles of inorganic and organic chemistry to biological, environmental, and applied sciences. *Prerequisites: one year of high school algebra or MATH 100 or 110, and either one year of high school*

*Chemistry or CHEM 100. 3 hrs. lect.; 2 hrs. lab.  
IAI: P1 902L.*

**102 Principles of Chemistry II. (4) (General Education/Natural Sciences)** A continuation of CHEM 101. Prerequisite: CHEM 101. 3 hrs. lect.; 3 hrs. lab.

**114 Chemistry of Health. (3) (General Education/Natural Sciences)** A fundamental chemistry course focusing on applications to human health. *Does not count toward majors in Biology, Medical Sciences option, or Chemistry, Pharmacy option. Prerequisite: MATH 100 or 110 or Mathematics placement above MATH 100. 3 hrs. lect.*

**150 Contemporary Chemistry. (4) (General Education/Natural Sciences)** A course intended to inform the student of the role of science in modern society. Lectures treat the fundamentals of chemical composition, the impact of industrial products on the environment, energy, and drugs; and the importance of consumer information. 3 hrs. lect.; 2 hrs. lab.  
*IAI: P1 903L.*

**190 Introduction to Chemistry Research. (1-4, repeatable to 4)** Introduction to chemistry research, which may include introduction to laboratory experimental design, scientific writing, and ethical issues of chemical research and reporting. *Prerequisite: special permission from the department.*

**201 General Chemistry I. (4) (General Education/Natural Sciences)** Designed for science and pre-engineering majors. Fundamental physicochemical principles and quantitative relationships including the mole concept, periodic properties of the elements, atomic structure, chemical bonding, and thermochemistry. Laboratory emphasizes quantitative analysis. *Prerequisites: MATH 100 or 110 and either one year of high school Chemistry or CHEM 100. Corequisite: one of MATH 101, 102, 123, or 128, or MATH course requiring one of these as a prerequisite. 3 hrs. lect.; 3 hrs. lab.*  
*IAI: CHM 911.*

**202 General Chemistry II. (4) (General Education/Natural Sciences)** A continuation of CHEM 201. Includes a study of solutions, acids and bases, equilibria, electrochemistry, and chemistry of the main group elements and the transition elements. Laboratory emphasizes qualitative analysis, quantitative measurements, and syntheses. *Prerequisite: CHEM 201; one of MATH 101, 102, 123, 128, 129, 133, 134, or 137, or MATH course requiring one of these as a prerequisite. 3 hrs. lect.; 3 hrs. lab.*  
*IAI: CHM 912.*

**221 Elementary Biochemistry. (4)** An elementary course intended to teach the structure, properties, function, and metabolism of biological molecules with emphasis on macromolecules. Intended for Biology and Family and Consumer Sciences majors. *Prerequisite: CHEM 102. 3 hrs. lect.; 3 hrs. lab.*

**241 Chemical Calculations. (2)** Designed primarily for Chemistry majors and minors. Emphasis is given to methods of presenting data and performing detailed chemical calculations typically required in biochemical and pharmaceutical analysis. *Prerequisite: CHEM 201. Prerequisite or Corequisite: CHEM 202. 2 hrs. lect.*

**251 Introduction to Forensic Applications. (3)** Designed primarily for Forensic Chemistry majors and minors. Introduction to forensic chemistry with emphasis placed on the forensic applications of chemical techniques. Lab demonstrates the applications of forensic chemical analysis. *Does not count toward the Chemistry minor. Prerequisite: CHEM 201. Prerequisite or Corequisite: CHEM 202.*

**263 Introduction to Pharmacology. (3)** This course introduces the students to the basic concepts of pharmacology and the major categories of pharmacologic agents, and explores the myths and facts about vitamins, nutritional supplements, and common herbal medicines. *Prerequisites: either BIOL 101 or ZOOL 200 or ZOOL 330; and either CHEM 102 or CHEM 330.*

**264 Pharmacy Methods. (3)** This course is designed as an aid for students who plan a career in Pharmacy. The course describes methods used in Pharmacy, including receiving and processing prescriptions, drug calculations, dosage and formulations, Pharmacy law, and inventory control. *Prerequisite: CHEM 263 or permission of the instructor.*

**330 Elements of Organic Chemistry. (5)** A one-semester introduction to organic chemistry. Coverage includes nomenclature of compounds, study of selected reactions and mechanisms, spectroscopy and study of biologically relevant molecules such as carbohydrates, amino acids, and proteins. *Does not count toward Chemistry major. Prerequisite: CHEM 202 (C grade or better). 4 hrs. lect.; 3 hrs. lab.*

**331 Organic Chemistry I. (5)** A study of nomenclature, preparations, reactions, and reaction mechanisms of the functional groups of aliphatic and aromatic compounds. *Prerequisite: CHEM 202 (C grade or better). 4 hrs. lect.; 3 hrs. lab.  
IAI: CHM 913.*

**332 Organic Chemistry II. (4)** Further study of organic chemistry including spectroscopic methods. Laboratory includes synthetic methods, mechanistic studies, chromatography, and an introduction to qualitative analysis. *Prerequisite: CHEM 331 or CHEM 330 (C grade or better). 3 hrs. lect.; 3 hrs. lab.  
IAI: CHM 914.*

**333 Advanced Organic Laboratory. (1)** Designed to supplement the laboratory portion of CHEM 332. *Prerequisite: concurrent registration or credit in CHEM 332. 3 hrs. lab.*

**341 Quantitative Analysis. (3)** An extension of the fundamental techniques used in CHEM 201 and 202 with emphasis on the analytical process, methods of separation, and methods of measurement. *Prerequisite: CHEM 202 (C grade or better); CHEM 241 or permission of instructor. 2 hrs. lect.; 3 hrs. lab.*

**342 Fundamentals of Environmental Chemistry. (4) (Global Issues)** An examination of the chemistry of the geosphere, hydrosphere, and atmosphere with emphasis on the interactions between them and the impact of technology upon the natural environment. *Prerequisite: CHEM 102 or 202. 3 hrs. lect.; 3 hrs. lab.*

**351 Applications of Forensic Chemistry. (4)** Applications of physio-chemical principles to analysis of physical evidence from criminal investigations, including seized drugs, explosive

# Chemistry

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residues, arson debris, hairs, fibers, glass, paint, papers, inks, and soil. *Cannot be applied toward the Chemistry minor.* Prerequisites: CHEM 251, 332, 341, or consent of instructor. 3 hrs. lect.; 3 hrs. lab.

**370 Elementary Physical Chemistry. (4)** Designed primarily for students who wish an introduction to physical chemistry and its biological applications. Prerequisite: CHEM 202. 3 hrs. lect.; 3 hrs. lab.

**374 Physical Chemistry – Thermodynamics and Kinetics. (4)** A rigorous treatment of physical chemistry useful for chemists, biologists, engineers, Earth scientists, and medical scientists. The topics include thermodynamics and kinetics. Prerequisite: CHEM 202, one year of Physics, and one year of calculus. 3 hrs. lect.; 3 hrs. lab.

**375 Physical Chemistry – Quantum Mechanics and Spectroscopy. (4)** A rigorous treatment of physical chemistry useful for chemists, biologists, engineers, Earth scientists, and medical scientists. The topics include quantum mechanics and spectroscopy. Prerequisites: CHEM 202, one year of Physics, and one year of calculus. 3 hrs. lect.; 3 hrs. lab.

**381 (Cross-listed with BIOL/GEOL/MATH/METR/PHYS 381) Introduction to STEM**

**Teaching. (1)** Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/GEOL/MATH/METR/PHYS 381.* Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.

**390 Junior Project Laboratory. (1-2, repeatable to 2 for different projects)**  
Enrollment only with permission of department.

**401 Inorganic Chemistry. (4)** Chemistry of transition elements and nontransition elements and their compounds; nomenclature, stereochemistry, symmetry, bonding, solids, and acid-base theories. Laboratory involves synthesis and physicochemical measurements of selected compounds. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: CHEM 332; CHEM 370 or 374; ENG 280. 3 hrs. lect.; 3 hrs. lab.

**409 Current Inorganic Chemistry Topics. (2)** Selected topics in inorganic chemistry which include current chemical bonding models, acid-base and redox approaches to inorganic chemistry, materials chemistry, and special topics related to current research are discussed. *Cannot be applied toward the Chemistry minor.* Prerequisite: CHEM 202 or permission of instructor. 2 hrs. lect.

**416 Chemical Literature. (1)** An introduction to searching chemical research literature. Prerequisite: 18 s.h. of Chemistry. 1 hr. lect.

**418 (Cross-listed with BIOL/GEOL/PHYS 418) Introduction to Scanning Electron Microscopy. (4)** The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis,

and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in BIOL/GEOL/PHYS 418.* Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.

**421 Biochemistry. (4)** The chemistry of major cellular constituents and their metabolism. Prerequisite: CHEM 330 or 332; CHEM 241 or BIOL 330 or permission of instructor. 3 hrs. lect.; 3 hrs. lab.

**422 Advanced Biochemistry. (4)** A continuation of CHEM 421 emphasizing the regulation of biosynthetic pathways and gene expression. Laboratory includes analysis of biological molecules by GC, HPLC, UV spectroscopy, and electrophoresis. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: BIOL 330, CHEM 421, and ENG 280. 3 hrs. lect.; 3 hrs. lab.

**425 (Cross-listed with MICR 425) Biochemistry of Human Disease. (4)** Biochemical aspects of human diseases with emphasis on cancer and genetic disorders. The course focuses on biochemical principles of disease development and contemporary biochemistry and molecular biology methods and approaches for drug development and cancer treatments. *Not open to students with credit in MICR 425.* Prerequisites: BIOL 330 and CHEM 421. 3 hrs. lect.; 3 hrs. lab.

**429 Biochemistry Topics. (2)** Selected topics in biochemistry which include current topics in applications of bio-macromolecules. Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 221 or 421 or permission of instructor. 2 hrs. lect.

**433 Polymer Chemistry. (3)** An introductory course in polymer chemistry, including synthesis, mechanisms of polymerization, physical and chemical characterizations, and industrial applications. Biopolymers will also be discussed. Prerequisites: CHEM 330 with a grade of C or better, or CHEM 332 with a grade of C or better. 3 hrs. lect.

**435 Macromolecular Chemistry Topics. (2)** Selected topics in organic chemistry which include current topics and applications of macromolecules. *Cannot be applied toward the Chemistry minor.* Prerequisite: CHEM 330 or 331, or permission of instructor. 2 hrs. lect.

**440 Elementary Forensic Techniques. (4)** Applications of chemical principles to analysis of crime scene physical evidence including serology, drugs, explosive residues, arson debris, papers and inks, paint, and DNA fingerprinting. State-of-the-art techniques and instrumentation are used. Prerequisite: CHEM 221 or 330 or permission of instructor. 3 hrs.; lect.; 3 hrs. lab.

**442 Instrumental Analysis. (4)** Theory and practice of analytical chemistry with emphasis on selected instrumental techniques. Prerequisite: CHEM 341 and one semester of Physical Chemistry. 3 hrs. lect.; 6 hrs. lab.

**449 Analytical Chemistry Topics. (2)** Selected topics in analytical chemistry which include current topics and applications of pharmaceutical or forensic analysis. *Cannot be applied toward the Chemistry minor.* Prerequisite: CHEM 341 or permission of instructor. 2 hrs. lect.

**452 Forensic Toxicology. (4)** Designed primarily for Forensic Chemistry majors. Applications of pharmacological, toxicological, and instrumental methods used in forensic investigations of death, poisoning, and drug use. *Cannot be applied toward the Chemistry minor.* Prerequisite: CHEM 332 and 341. 3 hrs. lect.; 3 hrs. lab.

**453 Forensic Mass Spectrometry. (3)** Designed primarily for Forensic Chemistry majors. The course focuses on mass spectrometry for identification of forensically significant compounds, such as fire accelerants, explosives, illicit drugs, and all the poisons ranging from small organic molecules to biological macromolecules. *Prerequisite: CHEM 332 and 341. 2 hrs. lect.; 3 hrs. lab.*

**455 Forensic Serology and DNA Analysis. (4)** Applications of biochemical principles to analysis of human tissues, body fluids, and other biological forensic evidence. Topics will include serology, blood splatter evidence screening methods, and DNA analysis and interpretation. *Writing Instruction in the Disciplines (WID) course. Does not count toward the Chemistry minor. Prerequisite: CHEM 421 and ENG 280.*

**472 (Cross-listed with PHYS 472) Experimental Techniques in Materials Science. (2)** This course explores basic experimental techniques used in studying the structure and properties of materials. Students will gain hands-on experience in operating a variety of instruments, and learn to collect and analyze data to study the properties of materials. *Not open to students with credit in PHYS 472. Prerequisite: PHYS 464.*

**479 Physical Chemistry Topics. (2)** Selected topics in physical chemistry which include modern applications, such as computational chemistry, molecular modeling, thermodynamics, kinetics, and/or surface chemistry. *Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 370 or 375, or permission of instructor. 2 hrs. lect.*

**481 (Cross-listed with BIOL/GEOL/METR/PHYS 481) Techniques and Issues in Science Teaching. (3)** An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/GEOL/METR/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

**482 (Cross-listed with BIOL/GEOL/METR/PHYS 482) Science in Context. (3)** Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BIOL/GEOL/METR/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, Geology, or Meteorology; ENG 280; or permission of instructor.*

**485 Internship in Chemistry. (3–8, repeatable to 8)** An on-the-job experience in a government or industrial laboratory. To familiarize students with working environments—laboratory procedures and instrumentation they will encounter in a job situation. A formal written report is required. *Prerequisites: CHEM 332, 370 or 375, 442, junior or senior standing in Chemistry, or permission of department chairperson. Graded S/U only.*

**490 Senior Project Laboratory. (1–4, repeatable to 4)** Laboratory research under the direction of a Chemistry faculty member. The work will include the use of the chemical literature in independent research programs. A formal written report of the investigation undertaken is required. *Corequisite or Prerequisite: CHEM 492. Prerequisite: one semester of Physical Chemistry or permission of the department.*

**491 Honors Thesis in Chemistry. (1–2, repeatable to 2)** A thesis prepared under the direction of one or more faculty members.

**492 Safety Practices in Chemistry Research.**

**(1)** The course is designed to train students in safety techniques and practices commonly used in laboratory research. A combination of lecture and demonstrations are used to describe MSDS, PPE, federal regulations, safe handling of hazardous reagents, and isotopes. *Prerequisite: CHEM 101 or 201 or permission of instructor.*

## (Education)

**239 Pre-Teacher Education Program**

**Admittance. (0, repeatable with no maximum)** Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established departmental criteria for admittance to TEP. *Graded S/U.*

**339 Pre-Student Teaching Clearance. (0)**

Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for departmental clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U.*

**439 Methods of Teaching Middle and High School Science. (3)** Study of secondary grades (Grades 6–12) from the standpoints of theory and practice, curriculum objectives and standard implementation, materials, and evaluation and assessment. Included are demonstrations, discussions, lectures, classroom participation, and field observations. *Prerequisites: BIOL/GEOL 181 or GEOG/PHYS 182, BIOL/CHEM/GEOL/METR/PHYS 381, and EDS 301 (all with C- grade or better). Corequisite: EDS 303.*

**469 Pre-Licensure Clearance. (0)** Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the department in order to be recommended for licensure. *Prerequisite: departmental clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U.*

**480 Student Teaching.** See STCH 480.

# **Communication**

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**Chairperson:** Dr. Peter F. Jorgensen  
**Office:** Memorial Hall 302  
**Telephone:** (309) 298-1507  
**Email:** PF-Jorgensen@wiu.edu  
**Website:** *wiu.edu/comm*

## **Program Offerings and Locations**

- Bachelor of Arts in Communication: Macomb, Quad Cities, Online
- Minor in Communication: Macomb, Quad Cities, Online
- Minor in Health Communication: Macomb, Quad Cities
- Minor in Social Media: Macomb, Quad Cities, Online

## **Learning Outcomes**

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

## **Faculty**

Averbeck, Avtgis, Carpenter, Hill, Jorgensen, Lauer, Little, Macchi, Menken, Miczo, Miller, Zanolla, Zhao.

## **Academic Advisor**

Grimm.

## **GradTrac**

GradTrac is available to Communication majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at *wiu.edu/Honors*.

## **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Communication: Master of Arts in Communication. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

Communication is a dynamic and varied discipline, offering majors a broad range of career opportunities and pursuits. The major focuses on the primary areas of organizational communication, persuasive communication, interpersonal communication, and rhetorical communication to ground students in theoretical and applied knowledge of the key role that communication plays in all aspects of human

interaction. The discipline routinely prepares students to enter any number of diverse professions from event planner to sales, college recruiter to business management, training and development to politics. Students of Communication receive fundamental training in and exposure to the infinite number of contexts in which humans interact with and influence one another. This knowledge base then provides them with an understanding of message processes that will serve them on an ongoing basis, both professionally and personally.

The Department of Communication offers a Bachelor of Arts degree in Communication. Communication majors are able to select minors that complement their major areas of study and their career goals. Minors in Communication, Health Communication, and Social Media are also available. A full-time academic advisor assists students in planning their programs of study.

## Degree Program

### Bachelor of Arts—Communication

All students seeking the Bachelor of Arts in Communication must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in Communication.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses..... COMM 130, 247†, 311, 344	12 s.h.
III.	Directed Electives..... Select 30 s.h. of COMM courses, at least 9 s.h. at the 400 level.	30 s.h.
IV.	Any Approved Minor.....	16 s.h.
V.	Open Electives .....	19 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) a Communication (COMM) global issues course; or 4) an approved Study Abroad program.	
†	COMM 247 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## Minors

### Minor in Communication..... **18 s.h.**

1. COMM 130 and 247 ..... 6 s.h.
2. Select three of the following: COMM 312, 343, 344, 356..... 9 s.h.
3. COMM Electives from courses numbered 300 or higher..... 3 s.h.

### Minor in Health Communication..... **18 s.h.**

1. COMM 130, 333, and 425..... 9 s.h.
2. Select three of the following: COMM 235, 315, 341, 343, 344, 356, 428, 456, 457, 496..... 9 s.h.

# Communication

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<b>Minor in Social Media.....</b>	<b>18 s.h.</b>
1. COMM 130, 345, 445.....	9 s.h.
2. Choose three of the following: BC&J 340, 345; COMM 312, 356; any 400-level elective COMM course.....	9 s.h.

## Course Descriptions

### COMMUNICATION (COMM)

#### **130 Introduction to Human Communication. (3) (General Education/Humanities)**

Introduction to the various approaches and sub-fields which comprise speech communication, with a focus on the theoretical foundations of contemporary human communication theory.

#### **235 Communicating in Small Groups. (3) (General Education/Social Sciences)**

Broad examination of the functioning of communication in small groups, including practical advice for becoming a more effective group member.

#### **241 Introduction to Public Speaking. (3) (General Education/Communication Skills)**

Preparation and delivery of informative and persuasive speeches. Students apply concepts of critical listening, audience adaptation, organization/support of ideas, appropriate style, and effective delivery. *Not open to students with credit for COMM 242. Accelerated section available. IAI: C2 900*

#### **242 Fundamentals of Public Speaking. (3) (General Education/Communication Skills)**

Preparation and delivery of informative and persuasive speeches. Students apply concepts of critical listening, audience adaptation, organization/support of ideas, appropriate style, and effective delivery completed in an online format. *Not open to students with credit for COMM 241.*

#### **247 Argumentation. (3)**

A course in examining what it is to construct a strong argument in favor of any proposition through reasoning, critical thinking, and well-chosen evidence. *Writing Instruction in the Disciplines (WID) course.*  
*Prerequisite: COMM 241 or consent of instructor.*

#### **254 Great Speeches. (3) (General Education/Humanities)**

An analysis of representative speeches that have significantly influenced the course of human events.

#### **305 Interviewing. (3)**

Theory of interviewing and its purposes in various communication settings. Practical applications of the principles of interviewing.

#### **309 Communication Theory. (3)**

A survey of communication theories. This course will also address the process of theory building and the role of communication theory across major paradigms guiding communication research.  
*Prerequisite: COMM 130 with a grade of C or higher.*

#### **310 Qualitative Research Methods in Communication. (3)**

A survey of the qualitative research methods used in communication studies. Qualitative research design, data collection, analysis, and interpretation are addressed. Students will plan and conduct a final research project. *Writing Instruction in the Disciplines (WID) course.*  
*Prerequisites: COMM 130 with a grade of C or higher; ENG 180 and 280.*

**311 Communication Research. (3)** A practical introduction to data-based communication research projects from research design through analysis and interpretation. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: COMM 130 with a grade of C or higher; ENG 180 and 280.*

**312 Rhetorical Criticism. (3)** An introduction to the ways rhetoric works in language, images, and other media. Course explores the leading principles used to analyze and decode rhetorical messages encountered in daily life. *Prerequisite: COMM 130.*

**314 Professional Presentations. (3)** Advanced instruction for preparing and delivering engaging extemporaneous professional presentations using strategically designed messages. Topics include creating meaningful and aesthetically pleasing visuals, utilization of new communication technologies, working collaboratively in a group presentation, and adapting messages to diverse audiences. *Prerequisites: ENG 180 and 280; COMM 241.*

**315 (Cross-listed with WS 316) Gender and Communication. (3)** This course examines gender and gender-role differences and similarities in verbal and nonverbal communication and surveys several contexts in which sex differences in human communication occur. *Not open to students with credit in WS 316.*  
*Prerequisite: COMM 130.*

**330 Language and Communication. (3)** This survey course explores the historical and contemporary functions of language in communication. The course will examine theories of language, meaning, and communication, with emphasis on contemporary language research and controversies surrounding language and meaning in society. *Prerequisite: COMM 130.*

**333 Risk and Crisis Communication. (3)** Course is intended to provide students with an understanding of key elements of risk and crisis communication in organizational and health communication settings—pre-crisis, crisis, and post-crisis. Course focuses on understanding and developing effective messaging in such situations. *Prerequisite: COMM 130 and ENG 180.*

**341 Small Group Communication. (3)** Examination of significant factors which affect the behavior and effectiveness of social and task groups. Study of group behavior research.

**343 Organizational Communication. (3)** Survey of the different approaches to studying organizational communication as well as the various communication processes involved. Application to real-world scenarios and companies will also be discussed. *Prerequisites: COMM 130; ENG 180 and 280.*

**344 Interpersonal Communication. (3)** Theory and concepts relevant to face-to-face interaction. Focus on the content of communication in relationships and the role of communication in

creating and defining relationships. *Prerequisites: COMM 130; ENG 180 and 280.*

**345 Social Media.** (3) Exploration of social media. Focus on and examination of competent communication technology use in a variety of contexts. Analysis of problematic issues of social media including accuracy, trust, privacy, and identity. *Prerequisite: COMM 130.*

**356 Persuasion.** (3) An exploration of cutting-edge and time-tested theories and techniques from the social sciences on changing minds and behavior. *Prerequisite: COMM 130.*

**377 Nonverbal Communication.** (3) Introduces basic codes, properties, and principles of nonverbal communication. Multidisciplinary content approached from scientific perspective rather than intuitive and experiential judgments. Designed to improve the communication effectiveness and understanding of the communication process. *Prerequisite: COMM 130.*

**380 Special Topics in Applied Communication.** (3) This course addresses special topics of interest in communication and/or provides students with the opportunity to develop communication skills that are transferable to personal and professional situations. *Prerequisite: junior standing.*

**381 Intercultural Communication.** (3) **(Global Issues)** Intercultural communication explores the intersection of culture, communication, and shared meanings. Topics may include cultural differences, traditions, contemporary issues in language across cultures, relationships, new technologies which shape our intercultural interactions, race, gender, religion, national identity, sexuality, politics, and education. *Prerequisite: COMM 130.*

**400 Senior Honors Thesis Research.** (3) Bibliographic and other preliminary work in preparation for a senior honors thesis (see COMM 401). Students will produce a final, graded project for this course. *This course may not be taken concurrently with COMM 401. Prerequisites: ENG 180 and 280; COMM 310 or 311; students must be in good standing in the Centennial Honors College and must be juniors or first-semester seniors majoring in Communication.*

**401 Honors Thesis.** (3) Students will write a senior honors thesis. *This course may not be taken concurrently with COMM 400. Prerequisites: COMM 400; ENG 180 and 280; students must be in good standing in the Centennial Honors College and must be seniors majoring in Communication.*

**409 Communication and Conflict Management.** (3) Study of the role of communication in conflict. Consideration of major theories of conflict management. *Prerequisites: COMM 130; ENG 180 and 280.*

**410 Advanced Interpersonal Communication.** (3) Study of theory, concepts, and methodology relevant to communication in close relationships. Examination of the dynamics and management of interaction within these contexts. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 344; ENG 180 and 280.*

**413 Advanced Organizational Communication.** (3) This course develops an understanding of theoretical and practical communication

frameworks in order to analyze problems and generate strategies to overcome personal, group, and organizational barriers to effective communication in the workplace. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 343; ENG 180 and 280.*

**418 Independent Research in Communication.** (1–6, repeatable to 6) Individual reading or research under supervision of the faculty. Open to juniors and seniors who have demonstrated competence in broadcasting, communication, rhetoric, public address, or the speech-language-hearing sciences. *Prerequisites: ENG 180 and 280; consent of instructor and department chairperson.*

**425 Health Communication.** (3) This course will survey a number of topics relevant to both the institutional settings of medicine (e.g., doctor-patient interaction, media campaigns) as well as the interpersonal ramifications of illness (e.g., social support). *Prerequisite: COMM 130 or permission of instructor.*

**428 Family Communication.** (3) This course will investigate communication processes in the context of the family environment. Specifically, it will examine communication's role in and its influence on family relational processes. *Prerequisite: COMM 130 or permission of instructor.*

**430 Communication Training and Development.** (3) This course explores the knowledge and skills necessary to engage in effective communication training and development in organizations and/or consulting in the field of communication. *Prerequisite: COMM 311.*

**441 Rhetoric and Public Culture.** (3) Study of the ways symbolic action shapes and energizes public culture. Practical case studies detail the powerful uses of rhetoric across a range of public, professional, and educational contexts. *Prerequisites: COMM 312; ENG 180 and 280.*

**445 Social Media Analytics.** (3) Study of message and relational processes in social media. Examination of theory and research exploring how individuals share, send, and receive messages via communication technologies. *Prerequisite: COMM 345.*

**456 Communication Campaigns.** (3) Principles and practical steps in designing campaigns targeted at the public using strategic message and channel choices. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 356; ENG 180 and 280.*

**457 Social Influence.** (3) Study of powerful impact other people have to change people's minds. Students will learn how to leverage and resist social influences in their everyday lives. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 356; ENG 180 and 280.*

**480 Special Topics in Communication.** (1–3, repeatable to 6, for different topics, with permission of department chair)

This course deals with selected topics of interest in communication such as nonverbal communication, intercultural communication, and family communication. *Prerequisites: ENG 180 and 280; completion of at least 12 s.h. in Communication.*

## **Communication**

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**496 Communication Internship. (1-12, repeatable to 12)** Directed work assignments in private or public sectors in communication areas. *Students may count up to 3 s.h. of COMM 496 toward the Communication major. Prerequisites: junior standing; 12 s.h. of Communication courses completed; ENG 180 and 280; permission of internship coordinator and department chairperson; a GPA of 2.50 in major courses taken as well as an overall GPA of 2.25. Graded S/U only.*

**Director:** Dr. Dennis M. DeVolder  
**Office:** Stipes Hall 447  
**Telephone:** (309) 298-1452  
**Email:** C-Sciences@wiu.edu  
**Website:** [wiu.edu/computersciences](http://wiu.edu/computersciences)

## Program Offerings and Locations

- Bachelor of Science in Computer Science: Macomb
- Bachelor of Science in Cybersecurity: Macomb
- Bachelor of Science in Information Systems: Macomb, Quad Cities (Information Systems emphasis)
- Minor in Algorithms and Data Management: Macomb
- Minor in App Development: Macomb
- Minor in Computer Science: Macomb, Online
- Minor in Computer Science Education: Macomb, Quad Cities
- Minor in Cybersecurity: Macomb
- Minor in Information Systems: Macomb, Quad Cities
- Minor in Information Technology: Macomb
- Minor in Network Technologies: Macomb

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Baramidze, Cardenas-Haro, Clayton, Covert, Deng, DeVolder, George, Kim, LaFlam, B. Lee, I. Lee, Leff, Mangalaraj, Maskarinec, J.M. McQuillan, Razzaque, Sen, Zhao.

## GradTrac

GradTrac is available to Computer Science, Cybersecurity, and Information Systems majors. See page 79 for information about GradTrac.

## Honors Curriculum

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Integrated Baccalaureate and Master's Degree Programs

Two integrated baccalaureate and master's degree programs are available for the Bachelor of Science in Computer Science: Master of Science in Computer Science and Master of Business Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

# **Computer Sciences**

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## **School Information**

Since its commercial introduction in the 1940s, the computer has wrought major changes in business, industry, government, and science, and with the possible exception of television, no other recent invention has so completely altered society as a whole. The student choosing to major in Computer Science, Cybersecurity, or Information Systems is entering a dynamic career area filled with challenge and unlimited opportunities for individual growth.

The School of Computer Sciences offers a comprehensive curriculum. All students are expected to complete a core sequence in which they acquire the fundamental skills in computing or information systems and mathematics. Students may select advanced courses from a wide variety of specialized areas within Computer Science, Cybersecurity, or Information Systems. Current offerings permit the student to become involved with a broad spectrum of business and scientific applications, software, and database design, or the more theoretical basis of computing. The undergraduate degree programs offer course sequences leading to the Bachelor of Science in Computer Science, Bachelor of Science in Cybersecurity, and Bachelor of Science in Information Systems.

## **Degree Programs**

### **Bachelor of Science—Computer Science**

The program for the bachelor's degree shall contain the required departmental core of 21 s.h., a depth component of 12 s.h., UNIX, and Departmental Electives chosen in consultation with the departmental advisor.

The School of Computer Sciences offers three emphases of courses designed to meet the career paths of its students; each student will choose an emphasis after consultation with the advisor and with the approval of the School.

The Computer Science major requires a minor from one of the other disciplines on campus. Students may choose any minor (except as outlined below) or an approved cognate minor.

All students seeking the Bachelor of Science in Computer Science must complete I, II, and III.A, III.B, or III.C below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** *Students enrolled in this major may not minor in App Development or Algorithms and Data Management.*

I.	University General Education Curriculum (p. 69) .....	43 s.h. (To include MATH 133 for Computer Science or Cybersecurity emphasis; to include MATH 133 or 137 for Big Data Technologies emphasis)
II.	Core Courses.....	21 s.h. CS 214, 250, 310, 351, 355, 491†, 492†
III.	Select one of the following emphases:	
A.	Computer Science .....	56 s.h.
1.	Depth Courses.....	12 s.h. Choose four of the following: CS 400, 410, 420, 460, 465, 470
2.	CS/CSEC 371 .....	3 s.h.
3.	Departmental Electives.....	9 s.h. Choose from CSEC 375 or any CS course <u>except</u> CS 101, 102, 225, 302, 315, 455, 483, 484, and 488.
4.	Other MATH 255, 311, and STAT 276.....	9 s.h.

5.	Minor.....	16 s.h.
6.	Open Electives.....	7 s.h.
B.	Cybersecurity.....	56 s.h.
	<i>Note: Students enrolled in the Cybersecurity emphasis may not minor in Cybersecurity.</i>	
1.	Depth Courses.....	6 s.h.
	Choose two of the following: CS 305, 306, 400, 410, 425, 470; IS 455; or any 300- or 400-level CSEC course	
2.	CS/CSEC 371, 395, 398; CSEC 321, 322, 436; IS 315 .....	21 s.h.
3.	Other MATH 255 and STAT 276.....	6 s.h.
4.	Minor.....	16 s.h.
5.	Open Electives.....	7 s.h.
C.	Big Data Technologies .....	56 s.h.
1.	Depth Courses.....	12 s.h.
	CS 460, 470, 472, and either 425 or 478	
2.	CS 433 and CS/CSEC 371.....	6 s.h.
3.	Departmental Electives.....	6 s.h.
	Choose two of the following: CS 465, 486; IS 340, 341, 405	
4.	Other MATH 255 and STAT 276.....	6 s.h.
5.	Minor.....	18-20 s.h.
	Choose the minor in Applied Mathematics, the minor in Business Analytics, or a minor approved by the School of Computer Sciences	
6.	Open Electives .....	6-8 s.h.

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) a Study Abroad program preapproved by the School.
- † CS 491 and CS 492 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

A minimum cumulative grade point average of 2.00, both in Computer Science courses and overall, should be achieved by the junior year. These grade point averages must be maintained for graduation as a Computer Science major.

## Bachelor of Science—Cybersecurity

Western Illinois University is recognized as a National Center of Academic Excellence in Cyber Defense (CAE-CD). All students successfully completing the requirements for the Bachelor of Science in Cybersecurity will receive a certificate confirming completion of a validated CAE-CD curriculum.

The Cybersecurity major is a comprehensive major.

All students seeking the Bachelor of Science in Cybersecurity must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*Note: Students enrolled in this major may not minor in Information Systems or Information Technology.*

- I. University General Education Curriculum (p. 69).....43 s.h.  
(To include CS 214, STAT 171 [if STAT 276 is not chosen in IV.D.] either MATH 133 or MATH 137, and either POLS 101 or POLS 122)

# **Computer Sciences**

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II.	Core Courses.....	54 s.h.
	CS 250, 305, 310, 320, 351, 410, 433; CS/CSEC 371, 395, 398; CSEC 321, 322, 375, 436, 482, 489; IS 315, 455	
III.	Departmental Electives .....	3 s.h.
	Choose 1 course from the following list: CS 306, 355, 470; CSEC 323, 330, 345, 494; IS 340, 345	
IV.	Other.....	18 s.h.
A.	BCOM/CSTM/ET 320† or LEJA 443†.....	3 s.h.
B.	MATH 255.....	3 s.h.
C.	ACCT 200 or 201; ACCT 457.....	6 s.h.
D.	Choose any two courses from the following list: ..... CHEM 251; CSEC 497; DS 303, 423, 435; LEJA 208, 415; POLS 300 or 302; STAT 276	6 s.h.
V.	Open Electives .....	2 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) a Study Abroad program preapproved by the School.	
†	BCOM/CSTM/ET 320 or LEJA 443 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## **Bachelor of Science—Information Systems**

All students seeking the Bachelor of Science in Information Systems must complete I, II, III.A or III.B or III.C, IV, V, and VI below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

***Note:*** Students enrolled in this major may not minor in App Development or Algorithms and Data Management.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
	(To include MATH 133 or 137, STAT 171, and IS 325)	
II.	Core Courses.....	21 s.h.
	CS 214, 250; IS 340, 341, 342, 462, 467	
III.	Select one of the following emphases.....	24 s.h.
A.	Information Systems	
1.	Directed IS Electives	
a.	CS 484 or IS 324 .....	3 s.h.
b.	Choose 3 courses from IS 343, 405, 410, 415, 455.....	9 s.h.
2.	Departmental Electives.....	12 s.h.
	Choose 4 courses from CS 114 or any 300-level course or above in Computer Science (CS), Cybersecurity (CSEC), or Information Systems (IS) ( <u>except</u> CS 302, 315, 420, 470, 483, 484; IS 324, 325)	
B.	Cybersecurity	
1.	CS 305; IS 315, (344 or 345), 455; (CS/CSEC 395 or CS 455); CSEC 321, 322.....	21 s.h.
2.	Directed Electives.....	3 s.h.
	Choose 1 course from CS 306; CS/CSEC 371, 398; CSEC 323, 330, 345, 375, 422, 436, 482, 489; IS 410, 415	

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C. Business Intelligence	
1. IS 405 .....	3 s.h.
2. Directed Electives.....	6 s.h.
Choose 2 courses from IS 335, 425; CS 433	
3. Departmental Electives .....	15 s.h.
Choose 5 courses from CS 114 or any 300-level course or above in Computer Science (CS), Cybersecurity (CSEC), or Information Systems (IS) (except CS 302, 315, 470, 483; IS 325, 405)	
IV. Other.....	6 s.h.
BCOM/CSTM/ET 320†, DS 303	
V. Minor.....	16 s.h.
Select any business minor	
<i>Note:</i> Students enrolled in the Cybersecurity emphasis may not minor in Cybersecurity.	
VI. Open Electives .....	10 s.h.
# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) a Study Abroad program preapproved by the School.	
† BCOM/CSTM/ET 320 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## Minors

### Minor in Algorithms and Data Management ..... 18 s.h.

*Note:* Not open to students whose major is in the School of Computer Sciences.

*Note:* If you wish to take CS 114 as part of this minor, please note that it must be taken before taking CS 214, as credit cannot be given for CS 114 after or in the same semester as credit is given for CS 214.

1. CS 214, 250, 351, 433, 470..... 15 s.h.
2. Select one course from the following:  
    CS 114, 460, 472, 486; DS 435, 490; MATH 255, 341 ..... 3 s.h.

### Minor in App Development ..... 18 s.h.

*Note:* Not open to students whose major is in the School of Computer Sciences.

1. CS 214, 250..... 6 s.h.
2. (CSEC 321 and CSEC 422) or (IS 340 and IS 415)..... 6 s.h.
3. Select two courses from the following: ..... 6 s.h.  
    CS 425, 486; CSEC 345; IS 341

### Minor in Computer Science ..... 18 s.h.

#### Traditional

1. CS 114, 214, 250 ..... 9 s.h.
2. Computer Science Electives..... 9 s.h.

*Note:* A total of 6 s.h. must be at the 300 level or above.

#### Computer Applications

1. CS 101, (CS 114 or CS 220 or CS 488), (CS 301 or CS 302),  
    and (CS 315 or IS 340) ..... 12 s.h.
2. Computer Science Electives..... 6 s.h.

*Note:* All 6 s.h. must be at the 300 level or above.

# Computer Sciences

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## Minor in Computer Science Education.....18 s.h.

**Note:** This minor is not sufficient for an Illinois Professional Educator License.

**Note:** Not open to students enrolled in the Computer Science major.

1. CS 214, 250, 315, 320, 439 ..... 15 s.h.
2. Select one course from the following:  
CS 114 (if taken prior to CS 214), 343, 433 ..... 3 s.h.

## Minor in Cybersecurity .....18 s.h.

**Note:** Not open to students enrolled in the Cybersecurity major, the Cybersecurity emphasis within the Computer Science major, or the Cybersecurity emphasis within the Information Systems major.

1. CSEC 321; IS 315 ..... 6 s.h.
2. Choose one course from each of the following categories:
  - a. CS 114 or CS 214 ..... 3 s.h.
  - b. CS/CSEC 395 or CS 455 ..... 3 s.h.
3. Choose 6 s.h. from the following:..... 6 s.h.  
CSEC 101, 102; CS 305, 306, 320; IS 455; or any 300- or 400-level CSEC course

## Minor in Information Systems.....18 s.h.

**Note:** This minor is not open to students majoring in Cybersecurity.

1. CS 214; IS 340, 341, 342 ..... 12 s.h.
2. Select remaining hours from CS 114 or upper division IS courses..... 6 s.h.

## Minor in Information Technology .....18 s.h.

**Note:** This minor is not open to students majoring in Cybersecurity.

1. CS 114 or 214; IS 340; CSEC 321 ..... 9 s.h.
2. Choose one course from each of the following categories: ..... 9 s.h.
  - a. Computer Science: CS 305, 315, 320, 455, 483
  - b. Information Systems: IS 315, 325, 341, 415, 455
  - c. Cybersecurity: CSEC 322; CS/CSEC 395, 398

## Minor in Network Technologies.....18 s.h.

1. CS 114, 214; CSEC 321, 322 ..... 12 s.h.
2. Choose any two from: CSEC 323, 375, 422, 436; CS 320; CS/CSEC 395 ..... 6 s.h.

## Course Descriptions

### COMPUTER SCIENCE (CS)

**101 Computer Literacy I. (3)** Covers computer hardware and computing concepts; introduction to word processing, spreadsheets, database, electronic communications, and presentation software. *Cannot be applied to the Computer Science major. Credit cannot be given for more than one of CS 101 or 203.*

**IAI: BUS 902**

**102 Computer Literacy II. (3)** Covers advanced word processing, presentation graphics, database software, integration of software, and software needs analysis. Will contain a team project. *Cannot be applied to the Computer Science major.*  
*Prerequisite: CS 101 or equivalent.*

**114 Introduction to Computer Science. (3) (General Education/Natural Sciences and Mathematics)** Introduction to computer algorithms, problem specification, correctness, computer structure, sets, truth tables, functions,

and iteration. Presentation of basic principles of a current programming language. *Credit cannot be given for CS 114 after or in the same semester as credit is given for CS 214. Credit cannot be given for CS 114 and CS 211 or CS 212 or CS 201.*

**214 Principles of Computer Science. (3) (General Education/Natural Sciences and Mathematics)** Introduction to computer program design, testing, documentation, simple data structures, references, sorting, searching, and algorithm development. *Credit cannot be given for both CS 214 and CS 202. Corequisite: MATH 128. 3 hrs. lect.; 1 hr. lab.*  
**IAI: CS 911.**

**220 Introduction to COBOL. (3)** Structured programming methods in COBOL. Introduction to file concepts and file processing.

**225 Programming for Engineering and Science. (3)** Fundamental principles, concepts, and methods of computing, with emphasis on applications in the physical sciences and engineering. Basic problem solving and programming techniques; fundamental

algorithms and data structures; use of computers in solving engineering and scientific problems. *Cannot be used towards a major in Computer Science.* Prerequisite: MATH 133.

**230 External Files.** (3) To introduce concepts and techniques to create and maintain sequential, indexed, and relative files using Virtual Storage Access Methods (VSAM) and Access Method Service utilities (IDCAMS). Prerequisite: CS 220 or equivalent.

**232 Computer Game Design.** (3) Design and develop games using the cross-platform Unity game engine (or similar engines). Game engine skills and related programming skills in a high-level language such as C#. Projects and challenges to hone these skills. Prerequisite: CS 114 or 214.

**250 Data Structures I.** (3) Review of basic structures; object-oriented techniques; analysis, comparison, and design of algorithms for data structure processing; binary trees, recursion; sorting, searching methods. Prerequisites: CS 214 with a grade of C- or better and MATH 128 or equivalent.  
IAI: CS 912.

**301 Spreadsheet Applications.** (3) This course covers advanced spreadsheet techniques including microprogramming. Also covered are on-line information systems, package installation, and other advanced application techniques. *Credit cannot be given for both CS 301 and CS 302.* Prerequisite: CS 101 or 203.

**302 Spreadsheet and Database Applications.** (3) Covers both spreadsheet and database applications from a business perspective. Emphasis will be placed on working with formulas, formatting, charting, query construction, form generation, report generation, and the integration of these applications. *Cannot be applied towards the Computer Science major.* Credit cannot be given for both CS 301 and CS 302. Credit cannot be given for both CS 483 and CS 302. Prerequisite: CS 101 or equivalent.

**305 Introduction to Computer Forensics.** (3) An introduction to computer forensics. The course will cover a range of computer hardware and forensics software tools on current and past operating systems. Prerequisite: CS 101 or CS 114 or CS 214 or equivalent.

**306 Advanced Computer Forensics.** (3) Computer forensic software will be used for data acquisition and analysis. Topics include forensic issues common to file systems, evidence collection, and case building tasks regularly used in the analysis of electronic evidence. Prerequisite: CS 305.

**310 Computer Organization I.** (3) Numeric representation, logic gates, latches, adder design; architectural components: ALU, bus, IO devices; memory organization; instruction set design and tradeoffs, addressing techniques. Prerequisites: CS 214.

**315 E-Commerce Technology.** (3) Concepts, design, and applications related to electronic commerce. Course is designed for nonmajors, especially those who will manage or operate an E-Commerce system in a business environment. *Cannot be applied toward the Computer Science major.* Prerequisite: CS 101 or CS 114 or an introductory programming class.

**320 Ethical, Social and Legal Issues in the Digital World.** (3) (Global Issues) Study of challenges and implications of computer technology for users and IT professionals. Topics include global perspectives on ethical, social, and legal issues in software quality, freedom of expression, privacy, intellectual property, hacking, and computer crime. *BGS online writing course.* Prerequisite: junior standing.

**343 Physical Computing.** (3) Building interactive physical systems using software and hardware to sense and control the physical world. Topics include software development with sensors, electro-mechanical devices, microcontrollers, and peripheral devices. *Prerequisite: grade of C- or better in one of the following: CS 114, 214, 225, 488.*

**351 Data Structures II.** (3) Advanced data structures with emphasis on non-linear data structures. Strategies for constructing algorithmic problem solutions. Analyzing the time and space efficiency of algorithm implementations. *Prerequisites: CS 250 with a grade of C- or better and (MATH 255 or MATH 341).*

**355 Automata and Computability Theory.** (3) An introduction to the modern theory of computing: automata theory, formal languages, and effective computability. Topics covered include finite automata and regular languages; pushdown automata and context-free languages; Turing machines and general computability; undecidability and the halting problem. *Prerequisites: junior standing and (MATH 255 or MATH 341).*

**371 (Cross-listed with CSEC 371) UNIX.** (3) An introduction to the UNIX environment. Includes shell commands, scripting, regular expressions, SED, process manipulation, forks, threads, process synchronization, introduction to system programming. *Not open to students with credit in CSEC 371.* Prerequisite: CS 250 or Corequisite: CS 250.

**395 (Cross-listed with CSEC 395) Computer Security Fundamentals.** (3) Computer and cybersecurity basics: terminology, security principles, data security, security mechanisms, usable security, network defense, OS security, and legal/ethical issues. *Not open to students with credit in CSEC 395.* Prerequisite: CS 214 or consent of School.

**398 (Cross-listed with CSEC 398) Cybersecurity Principles.** (3) Basics of security design principles, security mechanisms, security policies, and network defense. Topics: security design, threats, risk assessment, access control models, network defense, firewalls, and legal/ethical issues. *Not open to students with credit in CSEC 398.* Corequisite: CSEC 322. Prerequisites: CS 250 and CS/CSEC 371.

**400 Computer Organization II.** (3) Computer systems analysis and design, interconnection structures, memory, input/output processors, machine instructions sets, microprogramming, CPU structures, control units, parallel processing, computer architectures and systems. *Prerequisites: CS 214 and 310.*

**410 Operating Systems.** (3) Overview of the concepts/theory of operating systems with emphasis on process management, memory management, file management, scheduling, device

# Computer Sciences

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management, and synchronization. *Credit cannot be given for both CS 410 and CS 511. Prerequisites: CS 310 and (CS 250 or CS 500)\*. (\* If taking CS 410G.)*

## 415 E-Commerce Systems Development. (3)

Tools and technologies related to electronic commerce system development will be covered. Emphasis will be placed on developing the infrastructure and exploring the emerging technical issues in support of E-Commerce. *Prerequisite: CS 250.*

## 420 Computer Communication and Networks.

(3) Survey of the operational features of telecommunications systems, computer networks, and distributed-processing systems. Considerations for the design of real-time systems. *Credit cannot be given for both CS 420 and (CS 484 or CS 555 or IS 324). Cannot be applied toward the Cybersecurity major. Prerequisite: CS 351 or CS 500\*. (\* If taking CS 420G.)*

## 425 Server-Side Web Development. (3)

Significant development of server-side web applications using server-side architecture and a current scripting language. *Prerequisite: CS 351 or (CS 250 and IS 415) or (CS 250 and CSEC 422).*

## 433 (Formerly CS 210) Python for Data

**Exploration. (3)** Programming data-intensive and computational applications in Python. The emphasis is on using Python's various technical libraries and tools geared toward data manipulation, visualization, and analysis, as well as scientific computing. Relevant case studies are used to hone these skills. *Prerequisites: (CS 114 or CS 214) and (MATH 128 or STAT 171).*

## 434 (Cross-listed with CSEC 434) Distributed

**Systems for Big Data. (3)** Principles of distributed systems and their design for big data applications. Topics include the characteristics and constraints of distributed algorithms, reliability, scalability, and data intensive applications. Big data applications such as big data storage and scientific simulations are discussed. *Not open to students with credit in CSEC 434. Prerequisites: CS 250 and (CSEC 322 or CS 410).*

## 439 Methods of Teaching Middle and High

**School Computer Science. (3)** Designed to aid the middle and high school computer science teacher in developing curriculum objectives, learning standards implementation, materials, computer learning environments, and evaluation and assessment. Includes reading, analyzing, and debugging code through exercises, demonstrations, discussions, lectures, and classroom participation. *Prerequisite: CS 250.*

## 455 Computer System Security. (3)

Survey of major areas of computer system security. Emphasis on detection and prevention. Hardware and software discussed. *Cannot be applied to the Computer Science major. Prerequisite: CS 101 or CS 114 or (CS 101 and CSEC 102) or equivalent.*

## 460 Artificial Intelligence Methods. (3)

An introduction to the main principles and methods of artificial intelligence. Solving problems by searching, knowledge, and reasoning; machine learning; current AI applications. Programming paradigms relevant to AI will be explored. *Credit cannot be given for both CS 460 and CS 547. Prerequisite: CS 351 or CS 500\*. (\* If taking CS 460G.)*

## 465 Computer Graphics. (3)

Introduction to computer-generation of images of 3D scenes

using modern graphics API (such as OpenGL with GLSL). Emphasis on programming techniques for rendering, animation, and 3D modeling, as well as necessary mathematical foundations. *Credit cannot be given for both CS 465 and CS 565. Prerequisite: CS 351 or CS 500\*. (\* If taking CS 465G.)*

## 470 Database Systems. (3)

Survey of data models with emphasis on the relational model. Data normalization. Query languages and query optimization. Design and security considerations. Exposure to commercial database management systems. *Credit cannot be given for both CS 470 and (CS 483 or CS 521 or IS 342). Prerequisite: CS 351 or CS 500\* or (CS 250 and (CS/CSEC 395 or CS/CSEC 398 or CSEC 432)). (\* If taking CS 470G.)*

## 472 Introduction to Big Data. (3)

This course focuses on the big data technologies that facilitate the preparation, storage, and processing of big data. Specific state-of-the-art big data technologies such as distributed file systems, parallel programming models, and high performance databases are covered. *Prerequisites: CS 310 and (CS/CSEC 371 or CSEC 375).*

## 478 GPU Programming. (3)

Graphics Processing Unit (GPU) programming. Parallel algorithms and programming techniques for GPUs. Sorting algorithms, matrix manipulation algorithms, sparse matrices. *Prerequisites: CS 351 and CS/CSEC 371.*

## 481 Database Programming. (3)

Introduction to practical aspects of querying relational databases (using SQL). Creating applications written in high-level, general-purpose programming languages (Python) for interacting with databases. Necessary programming fundamentals, principles of database querying, developing applications that work with databases. *Cannot be applied toward the Computer Science major. Prerequisites: STAT 171 and junior standing, or permission of instructor.*

## 483 Elementary Database Applications. (3)

Covers command language, programming logic, and applications of database systems for the non-Computer Science major. *Cannot be applied to the Computer Science major. Credit cannot be given for both CS 483 and (IS 324 or CS 470 or IS 342). Prerequisite: CS 101 or 114.*

## 484 Network and Data Communications

**Concepts. (3)** Concepts and design of commercial computer and telecommunications networks. Course is designed for nonmajors, especially those who will manage or operate networks in a business environment. *Cannot be applied toward the Computer Science major. Credit cannot be given for both CS 484 and (IS 324 or CS 420). Prerequisite: CS 101 or CS 114 or CS 214 or (CS 211 and CS 212).*

## 486 Mobile Application Development. (3)

Development of applications for mobile computing devices. Topics include mobile platforms and languages; application design for small screens; battery and resource management; debugging and testing techniques; and application distribution ecosystems. *Prerequisite: CS 250 or permission of instructor.*

## 488 Introduction to Programming with

**Visual Basic. (3)** Introduction to the principles of programming for Windows in Visual Basic. Principles include event-driven programming, control structures, data types and structures,

properties, events, methods of controls, and forms. *Cannot be applied toward the Computer Science major.* Prerequisite: CS 101 or ET 105, or equivalent.

**491 Software Engineering I. (3)** This course will focus on the design principles of large software systems. Topics include software life cycle models, agile methods, requirements engineering, object-oriented design and analysis, software architecture styles, prototyping, and team participation. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: CS 351, 355; ENG 280; and at least 85 s.h.; or consent of School.

**492 Software Engineering II. (3)** This course covers project management, implementation, testing, and maintenance of a large software system following industrial standards. Topics include scheduling, estimation, source control, testing strategies, testing techniques, and teamwork. *Writing Instruction in the Disciplines (WID) course.* Prerequisite: CS 491.

**495 Computer Science Internship. (1-12, repeatable to 12)** Credit for work experience in a research, governmental, or business organization. Internship project report required. *Only 3 s.h. can be used for the major.* Prerequisites: Computer Science major, 15 s.h. of Computer Science courses, and written permission of the School director. Graded S/U only.

**497 Senior Honors Project. (3-6, repeatable to 6)** This course provides a project option within the departmental Honors Program. Project directed by a faculty member of the School of Computer Sciences. Prerequisite: senior Honors Program participant or consent of School.

**499 Independent Study. (1-3, repeatable to 6, 3 per semester)** Individual study or research in an area of Computer Science under the supervision of a Computer Science faculty member. Project report required. Prerequisite: approval of School of Computer Sciences.

## CYBERSECURITY (CSEC)

**101 Introduction to Cybersecurity I. (2) (General Education/Human Well-Being)** An introductory overview on the importance of cybersecurity, cyber hygiene and online safety, usable security, social engineering, technological aspects of cybercrimes, cyber threats, cyber defense, and legal/ethical issues.

**102 Introduction to Cybersecurity II. (1)** This course emphasizes best practices in cyberspace for privacy and security. Lab exercises cover elementary topics in cybersecurity such as software security, access control, cryptography, cyber threat awareness, the deep web, human factor security, social engineering, and network defense. Prerequisite: CSEC 101.

**321 Network Fundamentals. (3)** Introduction to the diverse software and hardware components of a computer network. Topics include OSI and TCP/IP network architecture, overview of TCP/IP protocols, access networks, network topologies, circuit, packet and virtual circuit switching, switched LANs, and LAN Security. Prerequisite: CS 114 or 214.

**322 Switching and Routing I. (3)** An examination of network protocols for creating and managing a switched network. Topics will

include Ethernet LANs, Virtual LANs, VLAN trunking, network and link layer addressing, subnetting, DHCP, access control lists, NAT and introduction to routing. Prerequisite: CSEC 321. 3 hrs. lect.; 1 hr. lab.

**323 Switching and Routing II. (3)** An examination of interior and exterior routing protocols. Topics will include intra-AS and inter-AS routing protocols, IPv4 and IPv6 routing configuration, load balancing routing, VPN tunnels, and managing network devices via SNMP. Prerequisite: CSEC 322. 3 hrs. lect.; 1 hr. lab.

**330 Cyber-Physical Systems. (3)** This course introduces the fundamentals and security challenges in emerging cyber-physical systems. Topics include system modeling, analysis, design and simulation, scheduling, and security. Prerequisites: CS 305 and CSEC 321.

**345 Secure Coding and Design. (3)** Secure software design. Identifying and fixing security flaws in code. String security flaws and resulting vulnerabilities, including buffer overflows, stack smashing, and code injection. Pointers, I/O, runtime protection strategies, and dynamic memory management. Prerequisite: CS 250 and CS/CSEC 371, or permission of the School.

**371 (Cross-listed with CS 371) UNIX. (3)** An introduction to the UNIX environment. Includes shell commands, scripting, regular expressions, SED, process manipulation, forks, threads, process synchronization, introduction to system programming. *Not open to students with credit in CS 371.* Prerequisite: CS 250 or Corequisite: CS 250.

**375 Linux Systems Administration. (3)** Administration of server systems, configuring users, groups, and devices, software management, backups, network services configuration, server security and performance, scripts for server management. Prerequisite: CS/CSEC 371 or permission of School.

**395 (Cross-listed with CS 395) Computer Security Fundamentals. (3)** Computer and cybersecurity basics: terminology, security principles, data security, security mechanisms, usable security, network defense, OS security, and legal/ethical issues. *Not open to students with credit in CS 395.* Prerequisite: CS 214 or consent of School.

**398 (Cross-listed with CS 398) Cybersecurity Principles. (3)** Basics of security design principles, security mechanisms, security policies, and network defense. Topics: security design, threats, risk assessment, access control models, network defense, firewalls, and legal/ethical issues. *Not open to students with credit in CS 398.* Corequisite: CSEC 322. Prerequisites: CS 250 and CS/CSEC 371.

**422 Web Technologies. (3)** An examination of the Web and its current development technologies. Topics will include HTML, XML, scripting, Web databases, and Web services. Prerequisite: CSEC 321.

**432 Network Performance Analysis. (3)** Introduces the basic concepts of computer network performance evaluation, modeling of traffic flows, network queues, delay, and loss models. Topics will also include performance evaluation of multiple access methods, measurement, and simulations of network

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performance. *Prerequisites: CSEC 322; (MATH 133 or 137); MATH 255; STAT 171.*

**434 (Cross-listed with CS 434) Distributed Systems for Big Data.** (3) Principles of distributed systems and their design for big data applications. Topics include the characteristics and constraints of distributed algorithms, reliability, scalability, and data intensive applications. Big data applications such as big data storage and scientific simulations are discussed. *Not open to students with credit in CS 434. Prerequisites: CS 250 and (CSEC 322 or CS 410).*

**436 Advanced Network Security.** (3) An examination of advanced network security and network defense. Topics include network defense, applied cryptography, security protocols, defense tools, security policies and implementation, and operational procedures. *Credit cannot be given for both CSEC 436 and CS 505. Prerequisites: CS/CSEC 395 and CSEC 322 and CS/CSEC 398, or permission of School.*

**482 Wireless LANs and Security.** (3) Radio Frequency Fundamentals, features and functions of Wireless LANs, Spread Spectrum Techniques, IEEE 802.11 architecture, Wireless LAN Security, Designing and Troubleshooting Wireless LANs. *Prerequisites: CS/CSEC 395 and CSEC 322.*

**489 Penetration Testing and Ethical Hacking.** (3) Introduction to the techniques and tools for information gathering and vulnerability assessment of networked systems. Topics include target enumeration, network sniffing, client and remote exploitation, web and wireless hacking. *Prerequisites: (CSEC 321 or CS 420 or CS 555), (CS/CSEC 395 or CS 505), and (CS/CSEC 371 or CSEC 375).*

**494 Topics in Cybersecurity.** (3) Examination of advanced and emerging topics in Cybersecurity. *Prerequisites: CS/CSEC 395 and junior standing.*

**495 Cybersecurity Internship. (1-12, repeatable to 12)** Work experience in a research, government, or business organization. Internship project report required. *Only 3 s.h. can be used for the major. Prerequisites: Cybersecurity major, 15 s.h. of Cybersecurity courses, and written permission of School director. Graded S/U only.*

**497 Senior Honors Project. (3-6, repeatable to 6)** Provides a project option within the Cybersecurity Honors program. Project directed by a faculty member in the School of Computer Sciences. *Prerequisite: Senior CSEC Honors Program participant or consent of the School of Computer Sciences.*

**499 Independent Study. (1-3, repeatable to 6, 3 per semester)** Individual study or research in the area of Cybersecurity under the supervision of a School faculty member. Project report required. *Prerequisites: junior standing and consent of the School.*

## INFORMATION SYSTEMS (IS)

**315 IT Systems Components.** (3) An introduction to IT systems components in Information Systems. Topics covered relate to hardware, software, networks, and their role in system operation in an organizational context. *Prerequisite: CS 114 or CS 214.*

### 324 Enterprise Network and Data Communication Concepts.

(3) This course provides an introduction to data communication networks. The course will focus on the services, capabilities, and limitations of communication networks in a business organizational context. *Credit cannot be given for both IS 324 and (CS 484 or CS 420). Prerequisite: CS 101 or CS 114 or CS 214 or (CS 211 and CS 212).*

### 325 Global Social Networks. (3) (General Education/Multicultural Studies) (Global Issues)

This course on global social networks, including virtual communities, places emphasis on fundamental information technology, facilitation methods, and practical operations of virtual communities and social networks in a global and cross-cultural environment. *Prerequisites: at least one course in each of Category III and Category IV of the General Education Curriculum.*

**335 Introduction to Cloud Computing.** (3) This course will examine cloud computing concepts and the associated models. Topics discussed include cloud architecture, infrastructure, identity management, cloud storage, cloud network management, and cloud performance/capacity management. Serverless and edge computing will also be discussed. *Prerequisite: CS 214.*

### 340 Introduction to Information Systems.

(3) Develop a thorough understanding of what information systems are, their technical foundations, where they are used in organizations, and how they are developed.

**341 Business Systems Analysis.** (3) Develop an understanding of concepts and techniques of business information systems analysis. Emphasis upon system development life cycle. *Prerequisites: CS 214 and IS 340.*

**342 Enterprise Database Management.** (3) A study of the theory and application of database management systems including their design, development, and management. *Credit cannot be given for both IS 342 and (CS 483 or CS 470). Prerequisites: IS 341.*

**343 Strategic Systems.** (3) The role, implications, and relevance of Information Technology (IT) in managing businesses; management issues concerning IT strategy, planning, and competitive advantage; process innovation and re-engineering; and organizational transformation. *Prerequisites: IS 340 or consent of director.*

### 344 Telecommunications Planning

**Management.** (3) An introduction to business management tools and techniques necessary to plan and manage a company's telecommunications and network functions. Topics include telecommunications management and network administration basics; telecommunications planning and project management; and operations and acquisition management. *Prerequisites: CS 214 or permission of School director.*

### 345 Foundations of Information Technology Service Management.

(3) This course introduces concepts, models, and tools necessary to provide information technology services to users. Topics include frameworks of Information Technology Service Management (ITSM) and Information Technology Infrastructure Library

(ITIL). Credit cannot be given for both IS 345 and IS 344. Prerequisites: CS 214.

**405 Business Intelligence.** (3) This course focuses on the features, uses, and design strategies for IT-enabled business intelligence systems. Data-oriented techniques for managing data, warehousing, integration, and visualization for corporate decision making are emphasized. *Prerequisite: IS 340 or CS 351 or permission of School director.*

**410 Enterprise Architecture.** (3) This course explores the design, selection, implementation, and management of enterprise IT solutions. The focus is on IT applications and infrastructure and their fit within business organizations. *Prerequisites: IS 342 or permission of School director.*

**415 Web IT Systems Development and Management.** (3) This course will cover tools and technologies related to Web IT Systems development and management. Emphasis will be placed on developing the infrastructure and exploring the emerging technical and managerial issues in support of Web IT Systems. *Prerequisites: CS 214.*

**425 Artificial Intelligence Applications and Management.** (3) This course will examine concepts in artificial intelligence, machine learning, natural language processing, and computer vision, among others, in the context of business applications. It will also review ethical, business, and organizational challenges in developing AI capabilities. *Prerequisites: (CS 214 and IS 340) or IS 405.*

**455 (Formerly IS 355) Information Assurance.** (3) This course examines implications and challenges of operational security in global IT organizations, and reviews legal, social, and ethical issues related to security management. Topics include IT security policy development, risk management, threat assessment, and business continuity planning. *Prerequisites: IS*

*340 or CS 420 or CS 484 or CSEC 321 or consent of School.*

**460 Independent Study in Information Systems.** (1–3, repeatable to 3) Independent study with written report on a problem mutually selected by student and instructor. *For Information Systems majors only. Prerequisites: IS 341 and senior standing, with written permission of School director.*

**462 IS Project Management and Development.** (3) Study of the issues and challenges in managing information systems' development projects. Students will also identify, develop, and implement a solution to an information systems' problem. *Prerequisite: IS 341.*

**467 Topics in Enterprise Systems.** (3) This course is designed to provide an understanding of the theoretic and practical issues related to the application of Enterprise Systems within organizations with a focus in the integration of information and organizational forms and processes across functional areas using unified systems. *Prerequisite: IS 341 or ACCT 451 or permission of School.*

**470 Internship in Information Systems.** (3–12, repeatable to 12) Work experience, on- or off-campus, in an organization involving computerized information systems. Intern will be supervised by a faculty coordinator and an executive in the business firm. Reports of work experience are submitted to the coordinator periodically. Final report required. *Only 3 s.h. can be used for the major. Prerequisites: Information Systems major; IS 341, 342; junior or senior standing; and written permission of School director. Graded S/U only.*

**497 Senior Honors Project.** (3–6, repeatable to 6) Provides a project option within the Information Systems Honors program. Project directed by a faculty member in the School of Computer Sciences. *Prerequisite: Senior IS Honors Program participant or consent of the School of Computer Sciences.*

# Counselor Education and College Student Personnel

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**Chairperson:** Dr. Holly J. Nikels

**Office:** WIU—Quad Cities, Riverfront Campus, Moline IL 61265

**Telephone:** (309) 762-1876

**Fax:** (309) 762-6989

**Email:** HJ-Nikels@wiu.edu

**Website:** [wiu.edu/counselored](http://wiu.edu/counselored)

## Faculty

Alexander-Albritton, Beck, Brines, Brinser, Davis, Hancks, McLean, Nikels, O’Ryan, Wikoff.

## Department Information

The Department of Counselor Education and College Student Personnel offers graduate degree programs for students interested in pursuing careers in the counseling or college student personnel professions. Specializations offered include Clinical Mental Health Counseling, Professional School Counseling, Student Affairs, and Higher Education Leadership.

## Course Descriptions

### COLLEGE STUDENT PERSONNEL (CSP)

**445 The University and the Student. (2)**  
Studies the mores, membership influence, commitment, expression, and governance of the college community, characteristics of a college student, and the relationship of these to personal, social, and intellectual development.

**450 Workshop in Residence Student Development. (1)** Examines factors affecting student growth and development in the university community, current problems facing students, and

the use of group processes and leadership training in solving problems and facilitating community awareness.

### COUNSELOR EDUCATION (CN)

**433 Special Problems in Counseling. (1, repeatable for different titles)** Designed to provide a group of students an opportunity for further professional growth and to apply problem solving approaches in dealing with specific issues. *Prerequisite: junior or senior standing, or permission of department chair. Graded S/U only.*

# **Earth, Atmospheric, and Geographic Information Sciences**

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**Chairperson:** Dr. Samuel K. Thompson  
**Office:** Currens Hall 400  
**Telephone:** (309) 298-1648  
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## **Program Offerings and Locations**

- Bachelor of Science in Geographic Information Science: Macomb, Online<sup>Δ</sup>
- Bachelor of Science in Geology: Macomb
- Bachelor of Science in Meteorology: Macomb
- Minor in Geographic Information Systems: Macomb, Online
- Minor in Geography: Macomb, Online
- Minor in Geology: Macomb
- Minor in Weather and Climate: Macomb

<sup>Δ</sup> See note in Degree Programs section.

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Bennett, Choi, Deng, Finch, George, Mayborn, Melim, Merrett, Sutton, Thompson.

## **GradTrac**

GradTrac is available to Geographic Information Science, Geology, and Meteorology majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Geographic Information Science or the Bachelor of Science in Meteorology: Master of Science in GIScience and Geoenvironment. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

### **Geographic Information Science (GIS)**

Geographic Information Science (GIS) is the study of spatial data and computer techniques used to capture, analyze, and display geographic information. Every

# **Earth, Atmospheric, and Geographic Information Sciences**

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undergraduate student is expected to acquire GIS skills in order to model scientifically the geospatial world and its components using GIS in a space-time framework. Our students are exposed to three perspectives of GIS learning: theoretical understanding, skill development, and real-world problem solving. Through hands-on training and practical applications, the students develop proficiency in using GIS techniques to address real-world problems, project design, implementation, and reporting. Our students may pursue an option in either Geospatial Science (Geographic Information Systems, Remote Sensing, and GPS) or Geoenvironment and Planning (physical-environment, human, urban planning, and regional planning).

Career opportunities are found in both public and private sectors. Most notables include disaster response companies, transportation firms, land use planning agencies, GIS-related professions, historic preservations firms, construction companies, real estate firms, international business, location analysis firms, architectural firms, and wind energy/sustainable energy companies.

## **Geology**

Geology is the study of theory and practice of scientific knowledge pertaining to the Earth: its morphology and environment, materials and processes, origin, and history; i.e., the complex physical, chemical, and biological interactions which have shaped the planet's evolution. We stress undergraduate program breadth as a means of maximizing the opportunities for our undergraduates to select from a wide variety of postgraduate study or career options. Besides providing a broad theoretical knowledge base, we stress training in practical applications, independence of thought, and the development of problem-solving skills.

Career opportunities are found in both public and private sectors. Our graduates find industrial or governmental jobs in environment and engineering, oil, mining; many of them enroll in graduate programs at other universities.

## **Meteorology**

Meteorology is the study of the physical characteristics of the lower atmosphere and the processes that are responsible for generating the weather. Students who complete the major are exposed to concepts, methodologies, and practical applications related to weather analysis and forecasting, as well as numerous environmental applications. Meteorology students use specialized equipment including instrumentation and computer applications associated with weather observations, weather radar, and remotely-sensed information.

Students who want to become professionals in meteorology-related fields should select the Applied Meteorology option. Students who want to pursue careers with the National Weather Service or want to go to graduate school should select the Operational Meteorology option.

Career opportunities are found in both public and private sectors, as well as in teaching. Among government agencies employing meteorologists are the Defense Mapping Agency, Environmental Protection Agency, Central Intelligence Agency, Bureau of the Census, National Weather Service, Army Corps of Engineers, and state, regional, and local planning agencies. Private employers include economic and environmental consulting firms, mapping and aerial survey companies, meteorological and climatological consulting firms, and environmental engineering firms.

# **Earth, Atmospheric, and Geographic Information Sciences**

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## **Degree Programs**

### **Bachelor of Science—Geographic Information Science<sup>A</sup>**

All students seeking the Bachelor of Science in Geographic Information Science must complete I, II, III.A or III.B, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** Students enrolled in this major may not minor in Geography.

**Note:** Students interested in Meteorology should see the Meteorology advisor about additional courses.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
II.	Core Courses.....	15 s.h.
	GEOG 301, 405†; GIS 202, 309, 405	
III.	Options of Study (select A or B): .....	31 s.h.
A.	Geospatial Science	
1.	GIS 108, 402, 403, 404, 410 .....	16 s.h.
2.	GIS 407 or 408 .....	3 s.h.
3.	Choose two from the following courses: .....	6 s.h.
	GEOG 426, 430, 440, 445, 497, 499	
4.	Choose two from the following courses: .....	6 s.h.
	CS 114, 214; GIS 201; GIS 407 or 408	
B.	Geoenvironment and Planning	
1.	Choose one of: GEOG 100 or 110 .....	3 s.h.
2.	Choose one of: GEOG 121 or METR 120.....	4 s.h.
3.	Choose seven courses (200 level and above) from the Human Group and/or the Physical Group.....	21 s.h.
4.	Choose one course from the Geospatial group.....	3 s.h.
IV.	Any Minor.....	16 s.h.
V.	Open Electives .....	3 s.h.

<sup>A</sup> This major is available online with the selection of designated courses. Please contact advisor for details.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

† GEOG 405 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

### **Bachelor of Science—Geology**

All students seeking the Bachelor of Science in Geology must complete I, II, and III.A or III.B or III.C below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
II.	Core Courses.....	16 s.h.
	GEOL 110*, 112*, 200, 340†	

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### **III. Options of Study (select A, B, or C)**

#### **A. Geology**

- |   |         |
|---|---------|
| 1. Option Courses:.....   | 19 s.h. |
| GEOL 301, 310, 320†, 330, 361 (3 s.h.), 362 (3 s.h.)                    |         |
| 2. Select at least 1 s.h. of Departmental Electives.....                | 1 s.h.  |
| 3. Any Minor .....  | 16 s.h. |
| 4. Open Electives.....  | 6 s.h.  |
| 5. Other  |         |
| a. CHEM 201* and 202*.....  | 8 s.h.  |
| b. Complete at least 7 s.h. in MATH 133* and one of these choices:..... | 7 s.h.  |
| 1) MATH 134*; or  |         |
| 2) CS 114*; or  |         |
| 3) STAT 171*  |         |
| c. One of these choices:.....   | 8 s.h.  |
| 1) BOT 200* and ZOOL 200*; or   |         |
| 2) PHYS 124 and 125; or   |         |
| 3) PHYS 211* and 212  |         |
| d. Foreign language and computer programming are strongly recommended.  |         |

For students interested in pursuing a career in the field of environmental/ hydrogeology, the following elective course is strongly recommended:  
GEOL 380. Other recommended courses are: GEOL 375 and 421.

#### **B. Paleontology**

- |   |         |
|---|---------|
| 1. Option Courses:.....   | 19 s.h. |
| GEOL 301, 310, 320†, 330, 361 (3 s.h.), 362 (3 s.h.)                                  |         |
| 2. Directed Electives: BOT 200* or ZOOL 200* .....                                    | 4 s.h.  |
| 3. Minor in Botany or Zoology .....   | 17 s.h. |
| 4. Open Electives.....  | 2 s.h.  |
| Suggested courses: BIOL 312, 459; ZOOL 321, 325; ANTH 310, 417;<br>GEOG 430; GEOL 420 |         |
| 5. Other .....  | 23 s.h. |
| a. MATH 133*  |         |
| b. Select at least 3 s.h. from STAT 171* or MATH 134*                                 |         |
| c. CHEM 201*  |         |
| d. CHEM 202*  |         |
| e. PHYS 124 or PHYS 211*  |         |
| f. PHYS 125 or PHYS 212   |         |

#### **C. Environmental Geology**

- |  |            |
|--|------------|
| 1. Option Courses:.....  | 19 s.h.    |
| AGRN 278; GEOL 310, 361 (3 s.h.), 362 (3 s.h.), 375, 380   |            |
| 2. Directed Electives:   |            |
| Choose two courses from GEOL 301, 320†, 330 .....  | 7-8 s.h.   |
| 3. Minor in Botany, Environmental Studies, Geographic Information<br>Systems, Natural Resources Conservation, or Zoology ..... | 16-22 s.h. |
| 4. Other .....   | 15-16 s.h. |
| a. CHEM 201* and 202*  |            |
| b. MATH 133*   |            |
| c. One of the following: CS 114*, MATH 134*, STAT 171*   |            |

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

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- \* 10–19 s.h. may count toward the University General Education requirement for the Geology option, 16 s.h. for the Paleontology option, and 8–16 s.h. for the Environmental Geology option.
- † GEOL 320 and GEOL 340 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Geology and Paleontology options. GEOL 340 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Environmental Geology option.

## **Bachelor of Science—Meteorology**

All students seeking the Bachelor of Science in Meteorology must complete I, II, III.A or III.B, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** Students enrolled in this major may not minor in Weather and Climate.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
	(To include MATH 133, MATH 134, METR 120, and PHYS 211 for Operational Meteorology option; to include MATH 133, METR 120, and either PHYS 124 or PHYS 211 for Applied Meteorology option)	
II.	Core Courses.....	15 s.h.
	GEOG 301, 405†; METR 322, 327, 329	
III.	Options of Study (select A or B)	
A.	Operational Meteorology.....	34 s.h.
1.	Special Courses .....	21 s.h.
	MATH 231, 333; METR 422, 429, 432; PHYS 212	
2.	Directed Electives	
a.	Select one of the following courses: .....	3 s.h.
	GIS 403; METR 300, 425	
b.	Select two of the following courses:.....	6–8 s.h.
	CHEM 201; CS 114; GEOG 430; GEOL 115, 380;	
	GIS 403; METR 220, 300, 333, 337, 425; PHYS 354	
3.	Open Electives .....	2–4 s.h.
B.	Applied Meteorology.....	34 s.h.
1.	Special Courses .....	12 s.h.
	GEOG 430; METR 220, 337, 425	
2.	Directed Electives	
a.	Select 3 s.h. from the following courses:.....	3 s.h.
	GEORG 497, 499	
b.	Select 17 s.h. from the following courses:.....	17 s.h.
	AGEC 447; BC&J 201, 340, 410, 430; CHEM 201;	
	CS 114, 214; EM 251, 252, 276; FIN 311; GEOG 251;	
	GEOL 115, 380; GIS 202, 405; HE 251; MATH 134, 231,	
	333; METR 300, 333, 422, 429, 432; PHYS 212, 354;	
	POLS 300, 302, 393	
3.	Open Electives .....	2 s.h.
IV.	Any Minor.....	16 s.h.

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

- † GEOG 405 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

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## **Minors**

### **Minor in Geography ..... 18-21 s.h.**

**Note:** This minor is not open to students majoring in Geographic Information Science.

1. Any three courses selected from:  
GEOG 100, 110, 121; GIS 108; METR 120.....10-12 s.h.
2. Upper division electives to be approved by the advisor .....8-9 s.h.

### **Minor in Geographic Information Systems ..... 19-20 s.h.**

**Note:** This minor is not open to students majoring in Geographic Information Science.

1. GIS 202, 309, and 405 ..... 10 s.h.
2. Choose one of the following courses: GIS 402, 407, 408.....3 s.h.
3. Choose two of the following courses: GIS 108, 201, 302, 402,  
403, 404, 407, 408, 410 .....6-7 s.h.

### **Minor in Geology ..... 17-18 s.h.**

1. GEOL 110.....4 s.h.
2. Choose 1 of the following courses: GEOL 112, 113, 115.....3-4 s.h.
3. Departmental Electives chosen from among:  
GEOL 200, 301, 310, 320, 330, 340, 375, 380, 420, 421

### **Minor in Weather and Climate ..... 16-17 s.h.**

**Note:** This minor is not open to students majoring in Meteorology.

1. METR 120, 220, 327, 337 ..... 13 s.h.
2. Choose one of the following:  
GEOG 301, 430; METR 300, 322, 329, 333, 432.....3-4 s.h.

## **Course Descriptions**

### **GEOGRAPHY (GEOG)**

#### **(Physical)**

**121 Planet Earth: Surface Processes and Interactions. (4) (General Education/Natural Sciences)** The interplay between landforms, soils, water, climate, and life forms (including humans) on Earth's surface, and how these interact to shape the surface of Planet Earth. It also covers the distribution of landforms in the U.S. and other countries. Laboratory. 3 hrs. lect.; 2 hrs. lab.

**IAF: PI 905L.**

**182 (Cross-listed with PHYS 182) Integrated Science II. (4) (General Education/Natural Sciences)** A laboratory course in interdisciplinary science with an emphasis on the Earth's place in the physical universe. Topics address the nature of matter and energy and their impact on the Earth's weather and climate. (*Integrated Science I* is BIOL/GEOL 181) Not open to students with credit in PHYS 182. Prerequisite: MATH 100 or 110. 3 hrs. lect.; 2 hrs. lab.

**421 Physiography. (3)** Characteristics and distribution of landforms and underlying structures of the U.S. Prerequisites: GEOG 121 and METR 120, or GEOL 110 and 112.

**423 River Water Resources. (3)** An examination of river water resources at the global scale. Case studies of river basins from different countries will be used to understand past and present issues related to their management, ecological problems, and restoration initiatives.

**Prerequisite:** Lower division natural science course with a lab, or consent of instructor.

**426 (Cross-listed with BIOL 426) Conservation and Management of Natural Resources. (3)** Problems in the conservation and management of natural resources including soil, water, rangeland, forest, wildlife, air, and energy resources. Special attention to resource problems of the United States. Not open to students with credit in BIOL 426. Prerequisites: GEOG 121 and METR 120, or consent of instructor.

**430 Natural Hazards. (3)** Examination of the causes, development, and impact of different natural hazards around the world. Hazards range from volcanoes and earthquakes to hurricanes, tornadoes, floods, and fires. Understanding community responses to particular disasters, including planning, first responses, and lessons learned.

**459 (Cross-listed with BIOL 459) Biogeography. (3)** Study of the geographical distributions of organisms, the evolutionary and ecological processes underlying the patterns of distribution, and the role of biogeography in biological conservation. Not open to students with credit in BIOL 459. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better), or consent of instructor.

#### **(Human)**

**100 Introduction to Human Geography. (3) (General Education/Social Sciences) (Global Issues)** Analysis of the spatial patterns of population, population trends, human migrations, ecological processes, and the impact of people on

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the natural environment.

*IAI: S4 900N.*

**251 Principles of Urban and Regional Planning. (3) (General Education/Social Sciences)** Examines contemporary planning processes with an emphasis upon utopian planning precedents, frameworks and mechanisms for planning, and comprehensive planning and implementation.

**341 Economic Geography. (3)** The production and distribution of the world's commodities and their regional aspects. The reproductive, extractive, and manufacturing industries and their natural and cultural relationships. *Prerequisite: GEOG 100 or consent of instructor.*

**352 Planning Applications. (3)** Introduces basic applications of urban and regional planning processes to understand land development, including the use of GIS analysis, zoning, form-based coding, and future land use planning. It involves research projects to understand these processes. *Prerequisites: GEOG 251 or consent of instructor.*

**440 Connections: A Geography of Transportation. (3)** Introduction to transport systems at various geographic scales in society, and the concepts, methods, and application areas of Transport Geography. *Prerequisite: GEOG 301 and GIS 202; or consent of instructor.*

**443 Population Geography. (3)** Description and spatial analysis of population data and of fertility, mortality, and migration of the human population. Some emphasis given to migration; some to the United States. *Prerequisites: two courses in Geography or consent of instructor.*

**445 Urban Geography. (3)** An analysis of the nature, distribution, and principal functions of urban settlements and supporting areas. *Prerequisites: two courses in Geography or consent of instructor.*

**448 Introduction to Urban and Regional Planning. (3)** An examination of contemporary planning processes. Emphasis upon utopian planning precedents, frameworks and mechanisms for planning, and comprehensive planning and implementation. *Prerequisite: POLS 470, or its equivalent, or consent of instructor.*

**458 Planning Methods. (3)** Introduces commonly used analytic techniques in the practice of urban and regional planning. Consideration is given to techniques and data sources to support urban development. *Prerequisite: GEOG 251 or consent of instructor.*

## **(Regional)**

**110 World Regional Geography. (3) (General Education/Social Sciences or Multicultural Studies) (Global Issues)** A survey of the world's regions emphasizing the spatial arrangements of resources, population, institutions, economic activities, and cultural landscapes, and their significance for distinctive regional problems. *IAI: S4 906.*

**466 (GEOG 466—Africa is cross-listed with AAS 466) World Regions. (3, repeatable to 9 for different regional subtitles) (Global Issues)** Analysis of the physical and cultural geography of a major world region chosen from the following: Latin America, Russia, Monsoon Asia, Europe,

Africa, Middle America, South America, and Asia. *Not open to students with credit for AAS 466. Prerequisite: two courses in Geography or consent of instructor.*

## **(Theory, Methods and Research)**

### **301 Introduction to Quantitative Geography. (3)**

(3) An introduction to quantitative methods used by geographers to analyze and interpret geographic data and to solve geographic problems. Topics include hypothesis formulation and testing, sampling strategies, correlation, regression, and spatial patterns. *Prerequisite: two courses in Geography, MATH 128 or high school algebra, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

### **405 Senior Thesis Capstone Course. (2)**

*Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280, Geography or Meteorology major, and senior status.*

### **450 Geography Workshop. (1)**

General workshop of a variety of geographic topics. Discussions and creative activities are emphasized in a supportive environment. *Not open to students with credit in GEOG 322 or METR 322. Prerequisite: elementary algebra or equivalent. Graded S/U only.*

**495 Honors Thesis. (3)** *Prerequisite: consent of department chair.*

### **497 Internship in Applied Geography. (1-3, repeatable to 3)**

Assignment as an undergraduate assistant in public, private, or university agencies engaged in planning, meteorology, environmental assessments, cartography, etc. *Only 3 s.h. may be applied to minimum degree requirements. Prerequisite: consent of department chair. Graded S/U only.*

**498 Individualized Studies. (1-3)** This course is available to students who are interested in the study of topics which are not currently a part of the curriculum. The students should consult their advisor or the department chair about the procedure which is to be followed. *Prerequisite: consent of department chair.*

### **499 Special Problems in Geography**

**(Research). (1-6, repeatable to 6)** *Prerequisites: senior standing and consent of instructor.*

## **GEOGRAPHIC INFORMATION SCIENCE (GIS)**

**108 Digital Earth. (4) (General Education/Natural Sciences)** An introduction to various applications of mapping and navigational technology (Google Earth, photography, GIS, and GPS) used in daily life. This course involves student presentations and projects focused on basic principles and applications of this technology. *3 hrs. lect.; 2 hrs. lab.*

### **201 GIS Data Acquisition. (3)**

This course covers principles of geospatial data concepts. These concepts include field and office data collection using applications of GPS and common GIS software, digitizing, and coordinate geometry (COGO). This course also includes internet download techniques and basic map making. *2 hrs. lect.; 2 hrs. lab.*

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**202 Principles of GIS.** (4) Introduction to the principles of Geographic Information Systems (GIS), including GIS representation of the real world; GIS concepts, data, methods, tools, and their integration for location-related decision making; and GIS procedure for representation, analysis, and presentation. 3 hrs. lect.; 2 hrs. lab.

**302 GIS Software and Scripting.** (3) Explores fundamental GIS scripting skills to create or customize tools in ArcGIS for GIS representation, analysis, and presentation. *Prerequisites:* CS 114 and GIS 202. 2 hrs. lect.; 2 hrs. lab.

**309 GIS Data Integration.** (3) This course covers core principles of geographic information, GIS data manipulation skills, common GIS data sets together with lab/project experiences, and GIS data evaluation. It strengthens the GIS "data" foundation for future GIS specialists. *Prerequisite:* GIS 202 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**402 Advanced Cartography and Visualization.**

(3) Advanced map compilation; theory and practice of cartographic design emphasizing thematic mapping, geovisualization, and map communication using Geographic Information Systems (GIS). *Prerequisite:* GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**403 Advanced Remote Sensing.** (3) Digital image processing techniques for thematic information extraction from remotely-sensed data for environmental applications. Laboratory. *Prerequisites:* GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**404 Advanced Quantitative Methods**

**and Applications in GIS.** (3) Students will learn, examine, and review how advanced GIS quantitative methods are used to measure spatial distribution patterns of geographical features, and analyze relationships between geographical phenomena. *Prerequisites:* GEOG 301 and GIS 309, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**405 Advanced GIS Spatial Analysis.** (3)

Thorough and systematic examination of GIS analytical/modeling methods. Students will be trained to translate real-world problems into GIS data, tools, maps, new findings, and reports. Laboratory. *Prerequisites:* GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**407 Social Applications of GIS.** (3) Examination of GIS concepts and skills in studying the geospatial characteristics of social phenomena, such as population geography, geographic segregation of neighborhoods, and spatial patterns of crimes. Practice of GIS applications in sociodemographic issues through lab exercises and course project. *Prerequisite:* GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**408 Environmental Applications of GIS.** (3)

GIS modeling of the biophysical environment, including water flow simulation, mapping of soils and climates, habitat delineation, and soil erosion modeling. Review of GIS methods, literature, and practice of environmental analysis in labs and project. *Prerequisites:* GIS 405; GEOG 301 or STAT 171 or equivalent; or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

**410 Applied GIScience.** (3) Examination of real-world applications of GIS, remote sensing, and GPS, including issues in the associated literature and principles. Fostering ideas and practicing

skills of designing and completing GIScience projects scientifically. *Prerequisite:* GIS 309 and 405; or consent of instructor. 2 hrs. lect.; 2 hrs. lab.

## **GEOLOGY (GEOL)**

**110 Our Changing Earth.** (4) **(General Education/Natural Sciences)** The study of the earth, its composition, structure, landscape development, internal processes, origin, and evolution. Laboratory includes introduction to minerals, rocks, and maps. *No prerequisites.* 3 hrs. lect.; 2 hrs. lab.  
*IAI: P1 907L*

**112 History of the Earth.** (4) **(General Education/Natural Sciences)** Physical and biological history of the earth (North America emphasis). Origin of continents, mountains, oceans, etc.; evolution of plants and animals. *No prerequisites.* 3 hrs. lect.; 2 hrs. lab.  
*IAI: P1 907L*

**113 Energy and Earth Resources.** (3) **(General Education/Natural Sciences)** Introduction to energy, water, soil, and mineral resources and the impact of their use on the environment. *Does not count toward major or minor in Geology. No prerequisite.*

**115 Oceanography.** (3) **(General Education/Natural Sciences)** History of ocean exploration, origin and nature of ocean basins, composition and circulation of ocean water, modern developments in oceanography, man and the oceans. *Does not count toward major or minor in Geology. No prerequisite.*

**181 (Cross-listed with BIOL 181) Integrated Science I.** (4) **(General Education/Natural Sciences)** A laboratory course in interdisciplinary science with an emphasis on the nature and evolution of life and Earth. Topics include ecology, natural resources, formation of Earth materials, Earth processes, nutrient cycling, cell biology, genetics, and evolution. *(Integrated Science II is PHYS/GEOG 182) Not open to students with credit in BIOL 181.*

**200 Mineralogy.** (4) Introduction to crystallography, origin, classification, identification, and occurrence of common minerals. *Prerequisite:* GEOL 110 or GEOG 121. *Student should have basic knowledge of high school or introductory college chemistry.* 3 hrs. lect.; 2 hrs. lab.

**301 Igneous and Metamorphic Petrology.**

(3) Origin, texture, mineralogy, mode of emplacement, and alteration of igneous and metamorphic rocks. Phase rule and phase diagrams. *Prerequisite:* GEOL 200. 2 hrs. lect.; 2 hrs. lab.

**310 Geologic Field Methods.** (2) Topographic and geologic mapping methods; measurement and description of stratigraphic sections; field identification of rocks and soils; use of Brunton compass, laser transit, GPS, and GIS software. *Prerequisite:* GEOL 110 or 112. 1 hr. lect.; 4 hrs. lab. First 10 weeks.

**320 Structural Geology.** (4) Physical properties of rocks, theories of flow and fracture, description of structural features, and origin of rock deformation. Geometric and stereographic diagrams. Interpretation of patterns. *Writing Instruction in the Disciplines (WID) course.*

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**Prerequisites:** GEOL 110 and high school or college trigonometry; ENG 280. Possible field trip. 3 hrs. lect.; 2 hrs. lab.

**330 Paleontology.** (4) Survey of major groups of fossil-forming organisms, emphasizing invertebrates, their preservation, morphology, ecology, taxonomy, and methods used in their study. **Prerequisite:** GEOL 112 or a course in basic Biology or consent of instructor. 3 hrs. lect.; 2 hrs. lab.

**340 Stratigraphy and Sedimentology.** (4) Origin and identification of sedimentary rocks, depositional environments, sedimentary processes, principles of stratigraphy. *Writing Instruction in the Disciplines (WID)* course. **Prerequisites:** GEOL 110, GEOL 112, and ENG 280, or consent of instructor. Required field trip. 3 hrs. lect.; 2 hrs. lab.

**361, 362 Summer Field Camp.** (3–6 each, not repeatable) Measurement of stratigraphic and structural sections, geological field mapping, and preparation of reports. **Prerequisites:** GEOL 200, 301, 310, 320, 340, or consent of instructor. At field station in South Dakota.

**375 Environmental Geology.** (3) Application of geology to environmental problems. Land resource planning, solid and liquid waste disposal, mining, foundations structures, geologic hazards, mineral and energy resources. **Prerequisite:** GEOL 110.

**380 Hydrogeology.** (4) Study of water's interaction with geologic materials; principles of groundwater flow; aquifer testing; groundwater flow modeling programs; water chemistry and pollutants. Many labs are conducted in the field. **Prerequisite:** GEOL 110 or GEOG 121. 3 hrs. lect.; 2 hrs. lab.

**381 (Cross-listed with BIOL/CHEM/MATH/METR/PHYS 381) Introduction to STEM Teaching.** (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/MATH/METR/PHYS 381.* Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.

**418 (Cross-listed with BIOL/CHEM/PHYS 418) Introduction to Scanning Electron Microscopy.** (4) The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in BIOL/CHEM/PHYS 418.* Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.

**420 Geomorphology.** (3) Advanced study of the landscape involving processes, geologic structure, and time. Map and air photo interpretation. **Prerequisite:** GEOL 110 or GEOG 121. Field trips. 2 hrs. lect.; 2 hrs. lab.

**421 Glacial Geology.** (3) Origin and classification of glacial sediments and land forms, periglacial features; Pleistocene soils; stratigraphy and sedimentology of Pleistocene deposits. **Prerequisite:** GEOL 110. Field trip. 2 hrs. lect.; 2 hrs. lab.

**460 Special Problems in Geology and Geophysics.** (1–5, repeatable to 5) Research problems. Does not count toward minor in Geology. **Prerequisite:** consent of instructor prior to registration.

**461 Geologic Field Trips.** (1–4, repeatable to 4) Field trips in geology or geophysics. Does not fulfill requirement for a minor in Geology. **Prerequisite:** GEOL 110, or GEOL 112, or concurrent registration in these courses and consent of instructor.

**462 Honors Research Thesis.** (2–3, repeatable to 3 to complete project) Research problems by agreement of student and advisory committee. Required: written proposal, final written report, and oral report. **Prerequisites:** GPA of 3.40 overall and 3.20 in Geology, completed 26 s.h. in Geology, junior or senior standing, and approval of advisory committee.

**481 (Cross-listed with BIOL/CHEM/METR/PHYS 481) Techniques and Issues in Science Teaching.** (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/CHEM/METR/PHYS 481.* Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.

**482 (Cross-listed with BIOL/CHEM/METR/PHYS 482) Science in Context.** (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID)* course. *Not open to students with credit in BIOL/CHEM/METR/PHYS 482.* Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, Geology, or Meteorology; ENG 280; or permission of instructor.

**495 Geology Internship.** (1–6, repeatable to 6) Credit for geologic work experience in a business, governmental, or research organization. Internship project report required. **Prerequisites:** 20 s.h. of Geology courses, junior or senior standing in Geology, and approval of department chairperson. Graded S/U only.

## **METEOROLOGY (METR)**

**120 Introduction to Weather and Climate.** (4) (General Education/Natural Sciences) Concepts and processes that govern weather and climate systems: solar energy distribution and seasons, world climates, temperature, humidity, wind and force balances, clouds and precipitation, stability, fronts, cyclones, and severe weather (including tornadoes, hurricanes, etc.). Laboratory. *Laboratory charge for course. 3 hrs. lect.; 2 hrs. lab.*  
**IAI: P1 905L.**

# **Earth, Atmospheric, and Geographic Information Sciences**

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**220 Severe and Unusual Weather.** (3) Study of severe weather causes and impacts on local communities. Apply current technologies and data sources to analyze winter weather events (blizzards, ice storms, etc.) and warm season events (thunderstorms, tornadoes, hail, lightning, floods, hurricanes). *Prerequisite: METR 120.*

**300 Weather Instruments.** (3) A survey of the instruments and reporting techniques associated with standard weather observations, which will enable students to identify meteorological phenomena and report their occurrences in an understandable format. *Prerequisite: METR 120. 2 hrs. lect.; 2 hrs. lab.*

**322 Synoptic Meteorology I.** (4) Study of large-scale (synoptic) atmospheric circulations and the relationship between upper air circulation, vertical motion, and surface development, particularly cyclogenesis. Emphasis on weather analysis through observational data and computer models. *Prerequisite: METR 120 and MATH 133. 2 hrs. lect.; 4 hrs. lab.*

**327 Environmental Climatology.** (3) This course deals with the mechanisms of heat flow, radiation exchanges, and water vapor flux and with the effects of climate on organisms, ecosystems, and human societies as well as changes in global environment. *Prerequisite: METR 120 or consent of instructor.*

**329 Dynamic Meteorology I.** (3) Examination of atmospheric thermodynamics and cloud processes, including hydrostatic equilibrium, equation of state, atmospheric moisture, adiabatic processes, the use of thermodynamic charts, precipitation development, and lightning mechanisms. *Prerequisites: METR 120 and MATH 133. 2 hrs. lect.; 2 hrs. lab.*

**337 Meteorological Data Analysis.** (3) Various meteorological data analysis software packages will be used to enhance synoptic/dynamics concepts learned in concurrent courses. These tools will be used to produce and present an analysis of a meteorological case study. *Prerequisite or Corequisite: METR 322 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

**337 Understanding Climate Change.** (3) This course introduces basic physical principles underlying climate change, time scales of climate change, the nature and the role of technology and computer models in the context of climate change research, and social and political dimensions of climate change. *Prerequisite: METR 120 or consent of instructor.*

**381 (Cross-listed with BIOL/CHEM/GEOL/MATH/PHYS 381) Introduction to STEM Teaching.** (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/*

*CHEM/GEOL/MATH/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

**422 Synoptic Meteorology II.** (4) Quantitative treatment of dynamical and thermodynamical processes involved in synoptic meteorology. Evolution of fronts and cyclones, isentropic analysis, vertical cross sections, interpretation of satellite imagery and numerical model data, all in the context of theory and case studies. *Prerequisite: METR 322 and MATH 133. 2 hrs. lect.; 4 hrs. lab.*

**425 Satellite and Radar Meteorology.** (3) The theoretical principles and application of satellites and radar in synoptic meteorology and climatology. Applications of satellite and radar imageries include clouds, wind, atmospheric water vapor, precipitation, and storm prediction. The course includes operational procedures fundamental to weather radar. *Prerequisite: METR 322 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

**429 Dynamic Meteorology II.** (3) Examination of atmospheric fluid motion, including atmospheric kinematics, real and apparent forces, geostrophic and gradient winds, thermal winds, vorticity, quasi-geostrophy, and their application to numerical weather prediction. *Prerequisites: METR 329 and MATH 133. 2 hrs. lect.; 2 hrs. lab.*

**432 Physical Meteorology.** (3) Examination of atmospheric radiation and chemistry, including optical effects, acoustical phenomena, tropospheric and stratospheric chemical processes, and how these disciplines combine to determine Earth's radiative equilibrium. *Prerequisite: METR 120 and MATH 133, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

**481 (Cross-listed with BIOL/CHEM/GEOL/PHYS 481) Techniques and Issues in Science Teaching.** (3) An interdisciplinary course wherein pre-service middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/CHEM/GEOL/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

**482 (Cross-listed with BIOL/CHEM/GEOL/PHYS 482) Science in Context.** (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BIOL/CHEM/GEOL/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, Geology, or Meteorology; ENG 280; or permission of instructor.*

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**Director:** Dr. James G. La Prad  
**Office:** Horrabin Hall 115V  
**Telephone:** (309) 298-1183  
**Fax:** (309) 298-2222  
**Email:** education@wiu.edu  
**Website:** [wiu.edu/coehs/education](http://wiu.edu/coehs/education)

## **Program Offerings and Locations**

- Bachelor of Science in Education in Educational Studies: Macomb
- Bachelor of Science in Education in Elementary Education: Macomb, Quad Cities
- Bachelor of Science in Education in Middle Level Education: Macomb
- Bachelor of Science in Education in Special Education: Macomb
- Minor in Educational Studies: Macomb
- Minor in Middle Level Literacy Teaching: Macomb
- Minor in Teaching English to Speakers of Other Languages: Macomb, Quad Cities, Online

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Barr, Birnbaum, Cheak, Cody, G. Daytner, K. Daytner, Delany-Barmann, Hasebe, Hyde, La Prad, Lee, Mansfield, Mason, Meeker, Paciotto, Pavez, Rockwood, Rouse, Saddler, Sharma, Sheffield, Sheng, Simonson, Singh, Stevens, Stinnett, Szyjka, Wiseley, Yager.

## **GradTrac**

GradTrac is available to Educational Studies majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Acceptance/Retention in Teacher Education Program**

All students seeking a degree option that leads to a Professional Teacher License must also be accepted and retained in the Teacher Education Program. Candidates are to consult with their academic advisor to determine the appropriate time for formal admission to the Teacher Education Program. Candidates must satisfy all requirements of the approved Illinois State Board of Education program and are responsible for expenses related to program and/or licensure requirements. For additional information about Teacher Education requirements, see the Teacher Education section of this catalog (p. 382).

# **Education**

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## **Advising**

Central advising for students in the B.S.Ed. in Elementary Education and the B.S.Ed. in Middle Level Education is maintained in Horrabin Hall 40. Secondary majors should consult with the secondary education advisor in Horrabin Hall 40, as well.

## **Transfer Students**

All grades on the transfer transcript will count in the calculation of the GPA to determine eligibility to become a major in the Teacher Education Program (2.0 required for ECH option; 2.50 for ELED, ESL, and Multilingual options, Middle Level, and SPED) and enroll in upper-division courses and field experiences.

For additional information about Teacher Education requirements, see the Teacher Education section (p. 382).

## **School Information**

The primary purpose of the degree programs in the School of Education is to prepare candidates to become educational practitioners who engage in informed action that is grounded in knowledge and reflection; who are deeply committed to the highest standards of professional practice; who are able to adapt to emerging social, economic, and cultural landscapes; who are skilled in the use of technological tools that promote teaching and learning; and who are committed to empowering all learners. The programs provide students with a foundation of general studies, a scope and sequence of carefully designed professional courses emphasizing exploratory, experiential, student-centered teaching and learning, and extensive experiences observing and working with children in a variety of classroom settings. For programs that lead to a professional teaching license, field experiences begin early and gradually increase through the senior year, culminating in student teaching.

The School of Education offers four degree programs:

1. B.S.Ed. in Educational Studies, non-licensure
2. B.S.Ed. in Elementary Education with options in:
  - a. Early Childhood Education, licensure (birth-grade 2) or non-licensure (ECH Gateway Credential)
  - b. Elementary Education, licensure (grades 1-6)
  - c. English as a Second Language Education, licensure (grades 1-6 and ESL endorsement)
  - d. Multilingual Education, licensure (grades 1-6, ESL and bilingual endorsement)
3. B.S.Ed. in Middle Level Education, licensure (grades 5-8) with endorsements in:
  - a. Language Arts
  - b. Mathematics
  - c. Science
  - d. Social Studies
4. B.S.Ed. in Special Education, licensure (grade K-age 21)

## **B.S.Ed. in Educational Studies**

This degree program is a non-licensure program designed for students who want to work in education-related fields but seek careers in non-school settings. These settings include corporate training programs, education-related businesses, government agencies, research organizations, adult learning programs, nonprofit organizations, prisons, libraries, museums, religious organizations, private recreational settings, international teaching programs, social and behavioral sciences,

mental health facilities, residential centers for senior citizens or individuals with disabilities, and educational-related publishing houses. Upon graduation, students will have a versatile degree which positions them for a variety of education-focused career paths working with children, youth, and adults.

### B.S.Ed. in Elementary Education

This degree program includes a foundation of general studies with major courses and clinical experiences with children. Students may choose from four options within this program:

**Early Childhood Education option:** This option has two tracks from which a student can choose. One track leads to Professional Education Licensure to teach children; graduates are qualified to teach in birth to grade three programs and classrooms, preschool, and prekindergarten programs for children with special needs. The second track (non-licensure/ECH Gateway Credential) leads to the completion of Gateway credentials, rather than teaching licensure; graduates are qualified to teach children outside of a classroom, such as day care centers and pre-kindergarten programs. Paraprofessional candidates who have graduated from a State-approved Associate of Applied Science in an Early Childhood Education program are eligible to (1) have their General Education requirements waived (if A.A.S. degree was in Early Childhood Education or a related field, such as Child Development, Child Psychology, etc.), and (2) receive up to 26 semester hours of advanced placement credit based on their level of coursework experience as determined by their WIU academic advisor upon entering into the program.

**Elementary Education option:** This option is designed to prepare candidates to teach in self-contained classrooms in grades one through six. Coursework and classroom experiences prepare future teachers to utilize the best practices of teaching, which are emphasized in multiple education foundation courses and subject area methods courses.

**English as a Second Language option:** This option is designed to prepare students to meet the high demand for qualified ESL teachers throughout the State of Illinois and the nation. Students in this option will complete the requirements for the Elementary Education licensure; after successful completion, students will be granted State approval for the ESL endorsement through the Illinois State Board of Education.

**Multilingual Education option:** This option is designed to prepare students to meet the high demand for qualified multilingual teachers throughout the State of Illinois and the nation. Students in this option will complete the requirements for the Elementary Education licensure; after successful completion, students will be granted State approval for the Bilingual Education endorsement through the Illinois State Board of Education. To complete the Multilingual Education option and Bilingual endorsement, students will also be required to pass the State target language proficiency exam.

### B.S.Ed. in Middle Level Education

This degree program includes extensive coursework focusing on the methods of teaching in middle level self-contained classrooms, grades 5–8. Candidates will choose to prepare for licensure in one of the four areas of specialization—Literacy, Mathematics, Science, or Social Studies.

### B.S.Ed. in Special Education

Students who successfully complete this degree program will qualify for licensure as a Learning Behavior Specialist I. Instructional time in the major typically begins in

# **Education**

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the freshman year and increases through the senior year. Students participate in the assessment and instruction of children with special needs in a variety of classroom settings in the local schools. Sixteen weeks of student teaching are required with the time distributed equally between the elementary and secondary levels. Upon graduation, students will qualify to teach exceptional in kindergarten through age 21 as LBS I teachers. All majors must be accepted into the Teacher Education Program (TEP) and must pass all TEP and departmental requirements to continue in the program. Students may complete a dual licensure program for Special Education and Elementary Education.

## **Degree Programs**

### **Bachelor of Science in Education—Educational Studies**

All students seeking the Bachelor of Science in Education with a major in Educational Studies must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses..... EDS 100, 201, 204, 310, 311, 405, 440, 490 (9 s.h.); ENG 381†; SPED 210	35 s.h.
III.	Directed Electives..... Select 12 s.h. from the following courses: HS 400; MGT 349; MKTG 327; RPTA 235, 367, 370, 424	12 s.h.
IV.	Any Approved Minor.....	16 s.h.
V.	Open Electives .....	14 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	ENG 381 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

### **Bachelor of Science in Education—Elementary Education**

All students seeking the Bachelor of Science in Education with a major in Elementary Education must complete I, II, and III.A or III.B or III.C or III.D below, and the foreign language/global issues requirement for the major#. Students are to meet the University General Education and state licensure requirements, and doing so requires close articulation with their academic advisor. Students in the Licensure track of the Early Childhood Education option will complete student teaching; students in the Non-Licensure track will complete an internship instead of student teaching. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Teacher Education may require additional hours.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

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I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	14 s.h.
	C&I 110; EDS 202; MATH 106, 206; RDG 383†	
III.	Options of Study (select A, B, C, or D) .....	63–75 s.h.
A.	Elementary Education	
	Additional Licensure/Accreditation Requirements.....	63 s.h.
	C&I 170 (1 s.h.), 270 (1 s.h.), 370 (1 s.h.), 371 (1 s.h.), 470 (4 s.h.); EDS 301, 305, 401, 428; ELED 410; LLA 313; MATH 266, 364; PETE 360; RDG 384†, 433; SCED 364, 464; SPED 390; SSED 365, 495; STCH 460, 461, or 462 (12 s.h.)	
B.	Early Childhood Education	
1.	Additional Licensure/Accreditation Requirements .....	51 s.h.
	ECH 271, 273, 276, 277, 354, 355 (3 s.h.), 356, 357, 359, 380 (1 s.h.), 381 (1 s.h.), 480 (4 s.h.); LLA 311; MATH 362; NUTR 203; RDG 382†, 432; SCED 352; SPED 250, 392; SSED 354	
2.	Select one of the following tracks:	
a.	Licensure	
	ECH 410; STCH 459 or 460 (12).....	12 s.h.
b.	Non-Licensure	
i.	ECH 481 .....	10–12 s.h.
ii.	Open Electives.....	0–2 s.h.
C.	English as a Second Language Education	
1.	Option Courses.....	6 s.h.
	EDS 435, 440	
2.	Additional Licensure/Accreditation Requirements .....	60 s.h.
	C&I 470 (3 s.h.); EDS 301, 305, 401, 427, 453, 457, 458; MATH 266, 364; PETE 360; RDG 384†, 433; SCED 364, 464; SPED 390; SSED 365; STCH 437 (12 s.h.)	
D.	Multilingual Education	
1.	Option Courses: EDS 430 and 435.....	6 s.h.
2.	Foreign Language (select a or b) .....	6–9 s.h.
a.	Spanish	
	SPAN 325 or 326; SPAN 320, 327, or 401	
b.	Other State-Approved Language	
	Select 9 s.h. in 300- or 400-level coursework in chosen language.	
3.	Study Abroad.....	0–12 s.h.
	EDS 361 or Study Abroad courses that substitute for coursework required for the major. These courses will depend upon university setting.	
	<b><i>Note: If the student can pass the Target Language Proficiency Exam while in junior level standing, the student may opt out of the Study Abroad program requirement.</i></b>	
4.	Additional Licensure/Accreditation Requirements .....	60 s.h.
	C&I 470 (3 s.h.); EDS 301, 305, 401, 427, 453, 457, 458; MATH 266, 364; PETE 360; RDG 384†, 433; SCED 364, 464; SPED 390; SSED 365; STCH 437 (12 s.h.)	
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) SSED 495 [Elementary Education option]; or 4) SSED 354 [Early Childhood Education option].	

## **Education**

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- † RDG 383 and RDG 384 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Elementary Education option, the English as a Second Language Education option, and the Multilingual Education option. RDG 382 and RDG 383 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Early Childhood Education option.

### **Bachelor of Science in Education—Middle Level Education**

All students seeking the Bachelor of Science in Education with a major in Middle Level Education must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses..... C&I 110, 170 (1 s.h.), 270 (1 s.h.), 370 (1 s.h.), 403, 470 (4 s.h.); EDS 202*, 301, 305, 306, 401, 428; RDG 383, 384†, 388; SPED 390; STCH 462 (12 s.h.)	52 s.h.
III.	Emphases..... Choose one of the following emphases: A. Literacy Endorsement Emphasis Minor in Middle Level Literacy Teaching..... 24 s.h. B. Mathematics Endorsement Emphasis Minor in Middle Level Mathematics Teaching..... 24 s.h. C. Science Endorsement Emphasis Minor in Middle Level Science Teaching..... 24 s.h. D. Social Studies Endorsement Emphasis Minor in Middle Level Social Studies Teaching..... 24 s.h.	24 s.h.
IV.	Open Elective .....	1 s.h.
V.	Other..... Choose one of the following courses: MATH 101*, 102*, 123*, STAT 171*	3 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) ENG 358 [Literary Endorsement emphasis]; or 4) ANTH 110 [Social Studies Endorsement emphasis].

\* Course may count as part of the 43 semester hours of University General Education Curriculum.

† RDG 384 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

### **Bachelor of Science in Education—Special Education**

All students seeking the Bachelor of Science in Education with a major in Special Education must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 124 s.h. Teacher Education will require additional hours.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	37 s.h.
	SPED 200, 250, 280 (1 s.h.), 300, 320, 360, 370†, 400†, 405, 410, 415, 417, 420, 430, 460	
III.	Content Requirements.....	30 s.h.
	LLA 313; MATH 106, 206, 266, 364; RDG 383, 384, 433; SCED 364; SSED 365	
IV.	Professional Education.....	20 s.h.
A.	EDS 202, 301, 401 .....	8 s.h.
B.	Student Teaching: STCH 430 (K-6), 431 (7-12).....	12 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) SSED 495.	
†	SPED 370 and SPED 400 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.	

Students who wish to work toward licensure in both Special Education and Elementary Education may do so as a Special Education major. Dual licensure students take all required Special Education courses as well as additional elementary content classes.

## Minors

### **Minor in Educational Studies ..... 18 s.h.**

1. EDS 100, 201, 204, 310 ..... 12 s.h.
2. Directed Electives ..... 6 s.h.
  - a. Select 3 s.h. from the following courses:  
EDS 311, 405, 440
  - b. Select 3 s.h. from the following courses:  
ENG 381; HS 400; MGT 349; MKTG 327; RPTA 235, 367, 370, 424; SPED 390

### **Minor in Middle Level Literacy Teaching ..... 24 s.h.**

**Note:** This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.

1. ENG 299, 433; RDG 433, 434; LLA 367 ..... 15 s.h.
2. Directed Electives ..... 9 s.h.
  - a. ENG 303 or RDG 467
  - b. In consultation with advisor, select 6 additional s.h. (any combination) from English (ENG) in either Forms or Social Justice major categories, Educational Studies (EDS) courses which are part of ISBE Bilingual/English as a Second Language endorsement, or Reading (RDG)

### **Minor in Teaching English to Speakers of Other Languages (TESOL) ..... 18 s.h.**

1. EDS 427, 435, 457, 458 ..... 12 s.h.
2. Select two courses from EDS 440, 447, 453 ..... 6 s.h.

# **Education**

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## **Course Descriptions**

### **CURRICULUM AND INSTRUCTION (C&I)**

#### **110 Critical Skills for Professional Educators.**

**(2)** Examines characteristics and skills of effective educators, specifically those related to oral communication, human interaction, critical thinking, leadership, and effective use of technology. Includes the development of a personal philosophy of education. *Required for Early Childhood Education and Elementary Education options.*

#### **170 Classroom Observation/Seminar in Education. (1, repeatable to 2)**

Observation of an elementary or middle level classroom with accompanying seminars focused on exploration of organization and delivery of classroom instruction. *Prerequisite or Corequisite: C&I 110. Graded S/U only.*

#### **270 Education Field Work Seminar II. (1-2, repeatable to 4)**

Clinical experience in an elementary or middle level classroom with accompanying seminars focused on exploration of individual characteristics of learners and professional standards for teachers. *Transportation not furnished. Prerequisites or Corequisites: C&I 110 and 170. Graded S/U only.*

#### **370 Education Field Work Seminar I. (1-3, repeatable with no maximum)**

Supervised practicum of educational experiences in elementary school programs. Students explore and apply learning theories as they tutor one or more elementary or middle grade students. *Transportation not furnished. Prerequisites: Fully accepted into Teacher Education Program (TEP), and departmental permission. Materials charge for this course. Graded S/U only.*

#### **371 Education Field Work Seminar II.**

**(1-3, repeatable to 6)** Clinical experience in elementary/middle level classrooms. Students explore and apply learning theories and practices as they observe and participate in daily classroom instruction. *Transportation not furnished. Prerequisites: C&I 110, 170, 270, 370; departmental permission; fully accepted into Teacher Education Program (TEP). Materials charge for this course. Graded S/U only.*

#### **403 Middle Level Education. (3)**

The middle school concept will be examined from multiple perspectives relative to the role of the teacher. Topics include advisory, thematic instruction across core content areas, exploratories, and instructional considerations for social, cognitive, and psychosocial development of adolescent students. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 301 or 306; fully accepted into Teacher Education Program (TEP); restricted departmental permission.*

#### **445 (Formerly ELED 445) Honors Seminar. (2, not repeatable)**

Reading, research, writing, and discussion on educational topics to be announced in advance. Normally, a service learning project and a seminar presentation will be required. *Prerequisites: C&I 170 or ECH 273; enrollment in the Centennial Honors College.*

#### **470 Senior Field Work/Seminar in Education. (1-4, repeatable to 6)**

Supervised practicum in an elementary or middle level classroom with accompanying seminars. Preservice

teachers work closely with mentor teachers in planning and implementing instruction, including curriculum integration of technology, guiding student learning, and evaluating student progress in the elementary school curriculum. *Transportation not furnished. Prerequisites: C&I 370 or EDS 435; fully accepted into Teacher Education Program (TEP); and departmental permission. Graded S/U only.*

### **EARLY CHILDHOOD (ECH)**

#### **271 Introduction to Early Childhood Education. (3)**

An overview of early childhood care and education including historical and cultural perspectives, organization, structure, programming, and basic values in the field. Considerations for diversity of culture, language, race, social-economic status, gender, ethnicity, and ability will be included. *A minimum grade of C- is required of Teacher Education majors. Restricted: early childhood program or departmental permission.*

#### **273 Young Child Growth and Development. (3)**

A foundation course in theory and principles of the developmental continuum pre-natal through age 8, including an in-depth study of physical, social/emotional, cognitive, language, and aesthetic development; an exploration of child development within a socio-cultural context. *A minimum grade of C- is required of Teacher Education majors. Restricted: early childhood program or departmental permission.*  
*IAI: ECE 912.*

#### **274 The Young Child as a Learner. (3)**

The child's acquisition of language, intellectual, and personality development. Relationship between child's growth and development, his/her activities outside and within social institutions. *A minimum grade of C- is required of Teacher Education majors. Restricted: early childhood program or departmental permission.*

#### **276 Parent/Community Involvement. (2)**

Techniques for working with and involving families/communities, including conferencing skills, newsletters, home-visits, parent education, volunteers, meetings, and other ways to develop open communication and parental and community support. *A minimum grade of C- is required of Teacher Education majors. Restricted: departmental permission.*

#### **277 Observation and Assessment in Early Childhood Education. (3)**

Intensive examination of informal, formal, developmentally appropriate assessment strategies for young children, birth through age 8, to identify and meet individual children's needs, including children in need of specialized services, plan curriculum, and communicate with parents, through administration practices. *A minimum grade of C- is required of Teacher Education majors. Restricted: early childhood program or departmental permission.*

#### **351 Science and Math for Young Children in Regular and Inclusive Settings: Birth to Preschool. (4)**

Methods and content for planning, implementing, and assessing science and math curriculum for young children, birth to preschool. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 271, 273, 274; fully accepted into Teacher Education Program (TEP). Corequisite: ECH 380.*

**353 Methods for Teaching Social Studies & Creative Expression in Regular and Inclusive Settings: Birth to Preschool.** (4) Methods and content for planning, implementing, and assessing social studies and creative expression curriculum when teaching young children, birth to preschool age. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: ECH 271, 273, 274; fully accepted into Teacher Education Program (TEP). Corequisite: ECH 380.

**354 Infant/Toddler Environment.** (3) Characteristics of high-quality caregivers, curriculum, indoor/outdoor space, scheduling, and material selection to support infants' and toddlers' development within family and group settings. Course requirements include 36 hours of hands-on practicum in an infant/toddler classroom. Prerequisites: ECH 271, 273; fully accepted into Teacher Education Program (TEP). Corequisites: ECH 355 and 380.

**355 Planning and Environment for the Pre-Primary Child.** (2-3) This course focuses on the principles and practices of classroom design, scheduling, material selection, the concept and application of integration of all content areas into a cohesive curriculum, and program evaluation in pre-primary settings. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: ECH 271, 273; fully accepted into Teacher Education Program (TEP). Corequisites: ECH 354 and 380.

**356 Planning and Environment for the Primary Child.** (2) Principles and practices of classroom design, scheduling, curricular integration, and material selection in kindergarten and the primary grades. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: ECH 271, 273, 355; fully accepted into Teacher Education Program (TEP).

**357 Strategies to Support Social/Emotional Growth in Young Children.** (2) Strategies that promote positive development of young children's interpersonal, dispositional, and behavioral skills as listed in various Illinois learning standards, birth-second grade. An overview of current behavior management systems as well as their legal aspects will also be covered. Prerequisites: ECH 271, 273; fully accepted into Teacher Education Program (TEP).

**359 Art and Movement for Children Ages 2-8 Years Old.** (2) Focuses on planning for four areas of art (visual arts, drama, music, and dance/kinesthetic) and physical education/activity for children ages 2-8, incorporating how culture influences the arts, importance of environment, and adaptations to include all children. *A minimum grade of C- is required of Teacher Education majors.* Prerequisite: fully accepted into Teacher Education Program (TEP).

**380 Field Work in Early Childhood Education I.** (1-3, repeatable to 6) Clinical experience in pre-primary early childhood settings. Students explore and apply learning theories and practices as they observe and participate in daily classroom activities/instruction. Prerequisites: ECH 271, 273, departmental permission, fully accepted into Teacher Education Program (TEP). Corequisites: ECH 354 and 355. Materials charge for this course. Graded S/U only.

**381 Field Work in Early Childhood Education II.** (1-3, repeatable to 6) Clinical experience

in primary grade early childhood settings. Students explore and apply learning theories and practices as they observe and participate in daily classroom activities/instruction. *Transportation not furnished.* Prerequisites: ECH 271, 273, 380, departmental permission, fully accepted into Teacher Education Program (TEP). Materials charge for this course. Graded S/U only.

#### **410 Senior Seminar in Early Childhood.**

(0) Provides students with an opportunity for reflection, discussion, and professional reading related to their student teaching experience. Prerequisite: ECH 480. Corequisites: STCH 459 and 460. Graded S/U only.

**474 Early Childhood Assessment.** (3) Intensive investigation of informal and formal assessment strategies including basic principles of measurement and evaluation, to plan educational experiences, communicate with parents, identify children in need of specialized services, and evaluate programs for young children from birth through eight years of age. The administration of some assessment instruments is required. *A minimum grade of C- is required of Teacher Education majors.* Restricted: early childhood program or departmental permission. Prerequisites: ECH 271, 273, 274, 380, fully accepted into Teacher Education Program (TEP).

#### **480 Field Work in Early Childhood Education III.** (1-4, repeatable to 6)

Clinical experience in pre-primary early childhood classrooms. Students work closely with mentor teachers in planning, implementing, and assessing instruction in all curricular areas. Student will complete a practice edTPA. *Transportation not furnished.* Prerequisites: ECH 271, 273, 380, 381, departmental permission, fully accepted into Teacher Education Program (TEP). Graded S/U only.

**481 Early Childhood Internship.** (10-12) A culminating, 14-week, center-based clinical experience in the student's major area(s) of specialization under the supervision of a department faculty member and a senior teaching professional. *Transportation not furnished.* Prerequisites: ECH 271, 273, 277, 354, 355, and 380. Graded S/U only.

## **EDUCATION (EDUC)**

**239 Pre-Teacher Education Program Admittance.** (0, repeatable with no maximum) Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established departmental criteria for admittance to TEP. Graded S/U.

#### **339 Pre-Student Teaching Clearance.** (0)

Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for departmental clearance to student teach. Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U.

**469 Pre-Licensure Clearance.** (0) Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the department in order to be recommended for licensure. Prerequisite: departmental clearance

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*to student teach. Corequisite: Student Teaching (STCH). Graded S/U.*

## **EDUCATIONAL STUDIES (EDS)**

**Courses transferred to Western Illinois University from other institutions need to be evaluated for equivalency. Evaluation forms are available in Horrabin Hall 99. Courses from two-year institutions are not accepted as satisfying 300/400 level courses.**

**100 Introduction to Educational Studies.** (3) Introduction to out-of-school education settings. Students explore learning spaces like zoos/museums, early childhood centers, team sports, and nonprofit organizations, and how teaching and learning occurs in informal settings. Identification of career paths for educators outside the classroom.

**121 Introduction to Life Span Development.** (3) (General Education/Human Well-Being) Growth and development of the individual throughout the life span and family life cycle within the context of the family and community.

**201 Educational Psychology—Human Growth and Development.** (3) Explores human growth and development from conception through adulthood, emphasizes relationship of developmental characteristics and experiences to the teaching/learning process. *Field experiences are required.* Prerequisite: EDS 100.

**202 Multicultural and Social Foundations of Education.** (3) (General Education/Multicultural Studies) A study of the social, linguistic, and cultural factors that affect the educational experiences, practices, and environments in America. This course broadens students' understanding of the diverse pluralistic nature of the contexts that either enhance or negate one's educational experience. *Field experience—10 hours required. A minimum grade of C is required of Teacher Education majors.*

**204 Diversity Issues in Educational Studies.** (3) Surveys cultural and socioeconomic diversity issues in informal learning environments, including demographic change, access and equity concerns, stereotype threat, socialization to learning, and other relevant topics. Prerequisite: EDS 100.

**301 Cognition, Development, and Motivation in Academic Settings.** (3) An introduction to the state of knowledge in contemporary educational and developmental psychology as related to academic settings. Topics include cognitive processing, motivation, and physical, social, and emotional development. *A minimum grade of C is required of Teacher Education majors. Prerequisite: A grade of C- or above in EDS 202, the equivalent transfer course, or junior standing.*

**303 Classroom Management and Field Work in Academic Settings.** (2-3) Introduction to understanding and analyzing the learning environment as it relates to classroom and behavior management. Students will participate in supervised practicum in off-campus educational settings (public, private, or title programs) as part of professional preparation in Teacher Education. *A minimum grade of C is required of Teacher Education majors. Transportation not provided. Prerequisite: 2.50*

*cumulative and major GPAs; EDS 301 with a grade of C- or better; and admission to Teacher Education Program prior to enrolling in EDS 303. (See EDS 301 above for additional prerequisites.) Materials charge for this course.*

**304 Field Work in Educational and Interdisciplinary Studies.** (1, repeatable to 2) The second supervised practicum in off-campus PK-12 educational settings as part of professional preparation in Teacher Education. *A minimum grade of C- is required of Teacher Education majors. Transportation not provided. Prerequisites: Full acceptance into the Teacher Education Program (TEP) and must have completed EDS 303 with a grade of C- or better. Candidates are required to have already completed a methods course or be concurrently enrolled in a methods course at the time of enrollment in EDS 304. Materials charge for this course.*

**305 Measurement and Assessment of Learning in Academic Settings.** (2) An introduction to the language and principles of assessment, measurement theory, and assessment-related issues (reliability, validity, etc.) within education grounded in a cognitive theoretical framework that views assessment as the integration of observation, interpretation, and cognition. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: C- or better in EDS 202 and EDS 301.*

**306 Learning and Development in the Adolescent Grades.** (3) An introduction to the state of knowledge in contemporary educational and developmental psychology as related to the adolescent's experience in academic settings. Topics include cognitive processing, motivation, and physical, social, and emotional development in the context of adolescence. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: C- or better in EDS 202.*

**310 Learning, Cognition, and Motivation in Educational Settings.** (3) An introduction to the state of knowledge in contemporary educational psychology. Topics include contemporary perspectives on learning, cognition, human motivation, instructional planning, and instructional strategies. Prerequisite: EDS 100.

**311 Assessment and Evaluation in Educational Settings.** (3) An introduction to the language and principles of assessment, program evaluation, and research methodology within education. Emphasis placed on identifying, gathering, and interpreting meaningful sources of information/data for effective decision-making in educational settings. Prerequisite: EDS 100.

**321 Preparation for Marriage and Family.** (3) Study of factors associated with marital happiness and success including mate selection, changing roles in marriage through the life cycle, and adjustment to conflicts.

**361 Field Study Abroad.** (1-12) Field study project in international setting. The student submits a written report and fulfills other requirements set up by the instructor. Prerequisite: *Bilingual/English as a Second Language Education major.*

**401 Educational Law and Policy.** (2) An analysis of formal legal and ethical problems that will allow students to critique contemporary debates in educational policy, law, and ethics.

The course will examine the tension between competing philosophical theories and the construction and function of educational policy. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: full acceptance into Teacher Education Program (TEP); a grade of C- or better in EDS 301.*

### **405 Designing/Managing Learning Environments. (3)**

**Examines the elements that foster an effective learning environment. Emphasis is placed on strategies that promote student engagement and a sense of community in educational settings. Prerequisites: prior or concurrent pre-student teaching instructional field experience, concurrent student teaching, or permission from the instructor.**

**427 Foundations of Education for Multilingual Learners. (3)** An introduction to the historical, political, social, and educational contexts that contribute to language education policies for multilingual learners nationally and internationally. Clinical experience of 15 hours required. *A minimum grade of C- is required of Teacher Education majors.*

**428 English Language Learners and Bilingualism: Theory, Policy, and Practice. (3) (Global Issues)** This course supports current and future educators in constructing a foundation of the critical elements in the education of ELLs that include: second language acquisition, culture and diversity, policies and law, ELL family involvement, language development standards, advocacy, and assessment. *Prerequisite: EDS 202 or permission of instructor; clinical experience of 15 hours.*

**430 Methods and Materials for Teaching in Multilingual Programs. (3)** Acquaints students with methodology and materials, preparation of content-based language instruction, lesson plans, behavioral, language and content objectives, and inquiry for teaching for the multilingual/ ESL classroom. Portion of content presented in Spanish. All methods sections are for K-12 unless otherwise specified. Clinical experience—15 hours required. *A minimum grade of C- is required of Teacher Education majors.*

**435 Cultural Studies in Education. (3)** The study of culture, identity, and intercultural interaction in society/classrooms, with specific focus on anti-bias and anti-racist pedagogies combating discriminatory ideologies and social policies. Clinical experience—15 hours required. *A minimum grade of C- is required of Teacher Education majors. Materials charge for this course.*

**440 Sociolinguistics. (3)** Exploration of foundational work in the field of sociolinguistics and current issues in the field. This course will emphasize the culture-language interface at the level of social relationships with special emphasis on educational settings. Clinical experience—15 hours required. *Prerequisite: ANTH 110 or EDS 202 or equivalent.*

**447 Teaching of Listening, Speaking, and Pronunciation to English Language Learners. (3)** Students examine the articulation of English sounds, the rules that govern their use in speech, and explore ways of applying this knowledge to the teaching of pronunciation. Additional emphasis will be on teaching listening/speaking strategies in the TESOL environment. *Prerequisite: EDS 458.*

### **453 Assessment of Multilingual Students. (3)**

Selection, administration, and interpretation of measurement instruments. Description of testing; multicultural, bilingual, ESL, language competency tests; language proficiency/ achievement testing; linguistic/cultural aspects of assessment; assessment in the classroom. Clinical experience of 20 hours required. *A minimum grade of C- is required of Teacher Education majors.*

### **457 Methods and Materials for Teaching English Language Learners. (3)**

Analysis of language learning processes of multilingual students. Strategies for teaching listening, speaking, reading, and writing; and techniques of teaching English as an additional language will be analyzed and practiced. All methods sections are grade levels K-12 unless otherwise specified. Clinical experience—15 hours required. *A minimum grade of C- is required of Teacher Education majors.*

### **458 Linguistics for the Teacher of Multilingual Learners. (3)**

The study of linguistics applied to teaching multilingual students. Includes English phonology, phonetics, morphology, syntax, linguistic analysis, and application of linguistic theories in the multilingual classroom. Clinical experience—20 hours required. *A minimum grade of C- is required of Teacher Education majors.*

### **490 Educational Studies Internship. (9-12)**

Field experience provides for practical application of knowledge and theory in an approved setting that provides learning experiences/programs as part of their mission. Supervised work will focus on the educational aspects of the work of the facility or organization. *Prerequisites: junior or senior status, majoring in Educational Studies, all Core courses completed with an average of at least C (2.00) with no course below C- (1.67), and approval of departmental committee and internship coordinator.*

**499 Special Problems in Education. (1-4, repeatable with no maximum)** An independent study of a theoretical or applied problem in education. An opportunity for the undergraduate to broaden understanding and skills in the profession through research and experience.

## **ELEMENTARY EDUCATION (ELED)**

### **410 Senior Seminar in Elementary Education. (1)**

Provides students with an opportunity for reflection, discussion, and professional reading related to their student teaching experience. *Prerequisites: fully accepted into Teacher Education Program (TEP) and C&I 470. Corequisites: STCH 459, 460, 461, or 462. Graded S/U only.*

## **LITERATURE LANGUAGE ARTS (LLA)**

### **311 Literature for Young Children. (2)**

A survey of literature for children birth through grade two. Selecting books in various genres through critical analysis and evaluation is emphasized. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: fully accepted into the Teacher Education Program (TEP).*

**313 Children's Literature. (3)** Survey of literature for children preschool through grade 6 with emphasis on critical analysis and evaluation of books in various genres. *A minimum grade*

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*of C- is required of Teacher Education majors.  
Prerequisite: 2.50 cumulative GPA.*

**367 Language Arts in the Middle Level. (3)**  
A study of communication skills: listening, speaking, reading, writing, and vocabulary; a comparison of current teaching methods and materials; and emphasis on the language arts as the core of the middle grades curriculum. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: junior standing or departmental approval; fully accepted into Teacher Education Program (TEP).*

**443 (Cross-listed with ENG 443) Creative Uses of Literature for Children and Young Adults. (3)** Presents the development of effective programs in informal and formalized interpretive experiences for children and young adults, emphasizing individual creativity and sources for materials. *Not open to students with credit for ENG 443. Prerequisite: LLA 313.*

## **READING (RDG)**

**382 Literacy Development: Birth through Preschool. (2)** Focuses on both methods and content for fostering and assessing literacy development in children from birth through the preschool years in a variety of settings. The course will address the diverse needs of preschool children through differentiation. *A minimum grade of C- is required of Teacher Education majors. Writing Instruction in the Disciplines (WID) course. Prerequisites: ECH 271, 273; fully accepted into Teacher Education Program (TEP). Corequisite: LLA 311.*

**383 Literacy Instruction in the Early Grades. (3)** Introduction to developmentally appropriate methods for teaching and assessing reading, writing, speaking, and listening in early elementary classrooms, adapting these methods to meet the individual needs of diverse groups of children, and applying these methods in a classroom. *A minimum grade of C- is required of Teacher Education majors. Writing Instruction in the Disciplines (WID) course. Prerequisites: departmental approval.*

**384 Literacy Instruction in the Intermediate Grades. (3)** A focus on methods of literacy instruction and assessment appropriate for intermediate/middle level classrooms, with adaptations to meet the individual needs of diverse groups of children and opportunities to apply these methods in a classroom. *A minimum grade of C- is required of Teacher Education majors. Writing Instruction in the Disciplines (WID) course. Prerequisites: LLA 313 or departmental approval; RDG 383; fully accepted into Teacher Education Program (TEP).*

**387 Literacy Instruction in Content Areas. (2)** This course develops an understanding of principles of reading, writing, and oral communication instruction needed to scaffold comprehension of content area texts. It includes a focus on academic language and the identification of language demands embedded in instruction. *Not open to Elementary, Early Childhood, Bilingual/English as a Second Language, or Special Education majors. A minimum grade of C- is required of Teacher Education majors. Prerequisites: C- or better in EDS 301.*

**388 Disciplinary Literacy Instruction in the Middle Grades. (3)** Focuses on disciplinary literacy development in the middle grades. Includes vocabulary, comprehension, writing to learn, and study strategies for disciplinary teachers. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: junior standing or departmental approval; fully accepted into Teacher Education Program (TEP).*

**432 Introduction to Corrective Reading in the Early Childhood Years. (2)** Methods and content for assessing and instructional procedures for correcting the reading and writing difficulties of primary-aged children in the regular classroom setting. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: RDG 382, 383, and LLA 311 or 313; fully accepted into Teacher Education Program (TEP).*

**433 Introduction to Corrective Reading, K-8th Grade. (3)** A course emphasizing group and individual identification and instructional procedures for corrective reading in primary-aged, elementary grades, and middle level. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 301, LLA 313, RDG 383, and either RDG 384 or RDG 584\*, or departmental approval; fully accepted into Teacher Education Program (TEP). (\* If taking RDG 433G.)*

**434 Literacy Assessments and Interventions for the Middle Level. (3)** Focuses on methods for data-driven decision making, formative and summative assessments and problem-solving processes to monitor student progress. Multi-Tiered Systems of Support will provide the basis for possible interventions for readers in the middle school grades. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: RDG 388 and 433; fully accepted into the Teacher Education Program (TEP).*

**467 Critical Literacy for the Middle Level. (3)** Focuses on the integration of 21<sup>st</sup> century technology competencies in the exploration and application of project-based learning. Middle level literacy teaching candidates' knowledge of literacy content, concepts, and skills are assessed through engagement in this process. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: RDG 384 and 388; C&I 403; fully accepted into the Teacher Education Program (TEP).*

## **SCIENCE EDUCATION (SCED)**

**352 Methods for Teaching Science PreK-2nd Grade. (3)** Methods and content for planning, implementing, and assessing science curriculum when teaching children in PreK through second grade. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 271 and 273; fully accepted into Teacher Education Program (TEP).*

**364 Introductory Science Methods. (3)** Introduces the nature of science and science education by exploring various issues and approaches relevant to elementary science instruction. Emphasis is placed on contemporary programs which stress direct experience and activity-based learning. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: junior standing or departmental approval; fully accepted into Teacher Education Program (TEP).*

## 464 Integrating Science Through Inquiry.

(3) Demonstrates how teachers can utilize the processes of inquiry to integrate the various science disciplines—physical, life, earth, and environmental—to provide appropriate science learning experience in the elementary and middle level classroom. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: SCED 364; fully accepted into Teacher Education Program (TEP).

## 465 Middle Level Science Methods. (3)

Methods and content for deepening teacher candidate understanding of how the practices of inquiry are applied in the major science disciplines. Provides appropriate learning experiences specific to the middle level classroom. *Prerequisites: SCED 364, BIOL/GEOL 181, or PHYS/GEOG 182; fully accepted into Teacher Education Program (TEP).*

## SOCIAL STUDIES EDUCATION (SSED)

### 354 Methods for Teaching Social Studies PreK-2nd Grade. (3) (Global Issues)

Methods for planning, implementing, and assessing social studies PreK-2nd grade curriculum, including conceptual development of global connections dealing with social, environmental, economic, technological, and individual cultural dimensions. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: ECH 271 and 273; fully accepted into Teacher Education Program (TEP).

**365 Teaching Our Heritage. (3)** Develops the conceptual base for teaching the understanding of our heritage including the role of cultural diversity, change over time, place, government, production, and distribution. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: junior standing or departmental approval; fully accepted into Teacher Education Program (TEP).

**390 Methods of Teaching Middle Level Social Studies. (3)** Designed to aid the prospective middle level social studies teacher in developing objectives, identifying appropriate learning standards, selecting and organizing content, and using various instructional and assessment techniques. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: junior standing or departmental approval; fully accepted into Teacher Education Program (TEP).

**439 Methods of Teaching Middle Level and High School Social Studies. (3)** Designed to aid the prospective middle and high school social studies teacher in developing objectives, identifying appropriate learning standards, selecting and organizing content, and using various instructional and assessment techniques. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: C- or better in EDS 301.

**449 Innovative Strategies for Teaching Social Studies. (3)** Designed to aid the prospective secondary social studies teacher in planning for differentiated instruction; providing for inquiry-based learning; using a variety of strategies that support comprehension of text, critical thinking, and problem solving; and analyzing student learning. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: EDS 303,

EDS 305, SSED 439, and either ENG 366 or RDG 387; grade of C- or better in all prerequisite courses.

## 495 Teaching with a Global Perspective.

(3) (**Global Issues**) Develops the conceptual base for teaching the understanding of global connections including those dealing with social, environmental, economic, technological, and individual cultural dimensions. Field component required. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: SSED 439 or 365; fully accepted into Teacher Education Program (TEP).

## SPECIAL EDUCATION (SPED)

### 200 Introduction to Special Education. (3)

Historical foundations of Special Education including litigation, legislation, models, theories, and philosophies. Introduction to professional ethics, conduct, and professional growth and reflection. *A minimum grade of C- is required of Teacher Education majors.* Corequisite: SPED 280.

**210 The Exceptional Learner. (2)** A survey of the characteristics of individuals with diverse mental, physical, behavioral, learning, or communication needs. This course emphasizes the identification and education of exceptional learners. *For non-majors only.* *A minimum grade of C- is required of Teacher Education majors.*

**250 Language Development and Exceptional Individuals. (2)** Normal language development from birth through age 21, children's progression through language development stages at differing rates, and the effects of disabilities on language development. Course will include effects of cultural and linguistic diversity on language development. *A minimum grade of C- is required of Teacher Education majors.* Prerequisite: C- or better in C&I 110 or SPED 200.

**280 Field Work in Special Education. (1, repeatable to 2)** Educational experiences acquired in practical service situations. *Repeatable in different settings with permission.* Corequisite: SPED 200. Graded S/U only.

### 300 Characteristics of the Learner. (3)

Development of cognitive, emotional, physical, social, and communication skills of students with disabilities. Practices that support the intellectual, social, and personal growth of all students. *A minimum grade of C- is required of Teacher Education majors.* Prerequisite: SPED 200. IAI: ECE 913.

**320 Learning Environment. (3)** Exploration of individual and group motivators and behavior management techniques. Strategies for creating learning environments that promote positive social interaction and active engagement in learning. *A minimum grade of C- is required of Teacher Education majors.* Prerequisite: SPED 200.

### 360 Health Issues of Special Needs Students.

(2) Introduction to health issues of children with disabilities. Includes basic knowledge of common medical conditions, treatment, effects on physical, cognitive, emotional, social, and educational behaviors; basic skills for physical accommodation; and roles and responsibilities in identifying, assessing, and providing services. *A minimum grade of C- is required of Teacher Education majors.* Prerequisites: SPED 200 and 300, or permission of instructor.

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**370 Assessment.** (4) Educational assessment processes and strategies to support instructional planning for students with disabilities. *Writing Instruction in the Disciplines (WID) course.*

*A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 280, 320; ENG 180 and 280; fully accepted into the Teacher Education Program (TEP).*

**390 Characteristics and Methods for Teaching Students with Special Needs.** (3) A survey of the characteristics of individuals with diverse mental, physical, behavioral, learning, or communication needs. This course emphasizes the identification and education of exceptional learners. Introduces and provides practice using various teaching strategies related to characteristics for specific disabilities. *Not open to Special Education majors. A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 305 or equivalent, a reading/literacy course, and a methods course in the major; grade of C- or better in all prerequisite courses.*

**392 Characteristics and Methods for Teaching Students with Special Needs Ages Birth to Five.** (3) A survey of the characteristics of individuals with diverse mental, physical, behavioral, learning, or communication needs. This course emphasizes the identification and education of exceptional learners. Introduces and provides practice using various teaching strategies related to characteristics for specific disabilities. *Not open to Special Education majors. A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 354, 355; SPED 250; fully accepted into Teacher Education Program (TEP) (Licensure Track).*

**400 Planning for Instruction.** (3) Instructional planning, design, and adaptations to support the learning of students with disabilities. *Writing Instruction in the Disciplines (WID) course.*

*A minimum grade of C- is required of Teacher Education majors. Prerequisite: SPED 370.*

**405 Moderate to Severe Disabilities.** (3) Assessment techniques and planning for the unique learning, social, behavioral, health, and transition needs of students with moderate to severe disabilities will be addressed. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: SPED 370 with a grade of C- or better.*

**410 Senior Seminar in Special Education.**

(0) Provides students with an opportunity for reflection, discussion, and professional reading related to their student teaching experience. *Graded S/U only. Prerequisites: SPED 420 and 430; fully accepted into the Teacher Education Program (TEP). Corequisite: STCH 430 or 431.*

**415 Behavior Seminar.** (2) Prepares teacher candidates to make data-driven decisions to proactively address and modify student behaviors

across school settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: SPED 370 with a grade of C- or better. Corequisite: SPED 430 or 445.*

**417 Collaboration and Co-Teaching.** (2)

Factors and processes that promote effective communication and collaboration between school professionals, between the school and families, and school and community services are addressed. Theories and practice in models of co-teaching are included. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: SPED 370; fully accepted into the Teacher Education Program (TEP).*

**420 Instructional Delivery in Special Education—Pre-K-12.** (4)

Research-based instructional practices to encourage inquiry, problem-solving, and critical thinking. Best practices in providing access to general curriculum for Pre-K-12 students with disabilities through inclusion, modified instruction, and transition planning for students with disabilities. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: RDG 384; SPED 400, 460.*

**430 Fieldwork in Special Education:**

**Pre-K-12.** (4) Clinical experience in planning, implementation, and assessment of instruction with students with disabilities in elementary and secondary settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: RDG 384; SPED 400, 460. Materials charge for this course.*

**440 Instructional Delivery—Secondary Level.**

(3) Research-based practices to encourage critical thinking skills and access to the general curriculum for secondary students with disabilities. Transition planning and instruction for students with mild to moderate disabilities. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 420 and 430; or permission of instructor.*

**445 Fieldwork in Special Education:**

**Secondary.** (3) Clinical experiences in the planning, implementation, and assessment of instruction with students with disabilities in secondary settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 420 and 430; or permission of instructor.*

**460 Fieldwork in Special Education.** (1)

Experience in the planning, implementation, and assessment of developmentally appropriate instruction of students with disabilities in different settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 370. Materials charge for this course.*

**Director:** Prof. Rafael Obregon

**Quad Cities Office:** Riverfront 207A, 3300 River Drive, Moline, IL 61265

**Quad Cities Telephone:** (309) 762-9481

**Macomb Office:** Knoblauch Hall 135

**Macomb Telephone:** (309) 298-1091

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**Email:** engr-tech@wiu.edu

**Website:** [wiu.edu/cbt/set](http://wiu.edu/cbt/set)

## **Program Offerings and Locations**

- Bachelor of Science in Civil Engineering: Quad Cities
- Bachelor of Science in Construction and Facilities Management: Macomb
- Bachelor of Science in Electrical Engineering: Quad Cities
- Bachelor of Science in Engineering: Quad Cities
- Bachelor of Science in Engineering Technology: Macomb, Quad Cities
- Bachelor of Science in Mechanical Engineering: Quad Cities
- Minor in Construction and Facilities Technology: Macomb
- Minor in Industrial Technology: Macomb, Online
- Minor in Manufacturing Technology: Macomb, Quad Cities
- Minor in Operations Management: Macomb, Quad Cities

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Alam, Ghimire, Gravitt, Hall, Hanson, H. Hemphill, L. Hemphill, Hsu, Hunter, Kim, Leonard, McDonald, Obregon, Payne, Shin, Zbeeb.

## **GradTrac**

GradTrac is available to Construction and Facilities Management majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **School Information**

Entrepreneurial engineering, innovation, leadership, and an emphasis in transforming concepts into tangible results are the hallmarks of this School!

The School of Engineering and Technology offers four Bachelor of Science degree programs in Engineering at the Quad Cities campus. These programs are the only public Bachelor of Science Engineering degree programs in the Quad Cities region, and they provide our students many unique opportunities to work with industry through paid internship programs and senior design projects. Additionally, students can

## **Engineering and Technology**

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participate in many entrepreneurial high-technology development projects. Please see [wiu.edu/cbt/set](http://wiu.edu/cbt/set) for details. All Engineering programs emphasize innovation, hands-on laboratories, small, intimate classroom settings, mentoring by faculty, and thinking-outside-the-box solutions.

The School also offers a Bachelor of Science in Construction and Facilities Management (Macomb campus) and a Bachelor of Science in Engineering Technology (Macomb and Quad Cities campuses). Additionally, the School offers minors in Construction and Facilities Technology, Industrial Technology, Manufacturing Technology, and Operations Management.

All degree programs offered by the School of Engineering and Technology require completion of 120 semester hours and can be finished in four years, depending on the student's preparation in mathematics. Although the freshman and sophomore years of all Engineering degrees can be completed at the WIU Macomb campus or at a community college, all four years can be completed at the Quad Cities campus. Engineering students must take their junior and senior engineering courses at the Quad Cities campus.

Transfer students (i.e., from schools other than Western Illinois University) have special requirements. Please consult the Engineering Transfer Students section or the Technology Transfer Students section (pp. 207–208), as appropriate, for additional details about transferring into one of the School's degree programs.

### **Mechanical Engineering**

Mechanical Engineering is one of the oldest and broadest of the engineering disciplines. Our ABET-accredited Bachelor of Science in Mechanical Engineering degree program builds upon a foundation of solid mechanics, fluid mechanics, and thermodynamics. The degree offers areas of emphasis in Design Engineering, Manufacturing Engineering, and Robotics Engineering. An elective course in Additive Manufacturing — 3D printing is available for all three emphases.

### **Electrical Engineering**

The Bachelor of Science in Electrical Engineering is an ABET-accredited degree program which deals with the study of electricity, analog and digital electronics, electromagnetism, signal processing, and control theory. Students completing the requirements of this degree will also earn a minor in Mathematics.

### **Civil Engineering**

The Bachelor of Science in Civil Engineering is an ABET-accredited degree program which deals with the design, construction, and maintenance of physical structures and modifications to our natural environment that are the foundation of our modern society. Our Civil Engineering degree requires students to complete studies in four sub-disciplines: Geotechnical, Structural, Transportation, and Water Resources Engineering.

### **Engineering**

The Bachelor of Science in Engineering is an ABET-accredited multidisciplinary engineering degree designed to prepare graduates for professional practice and leadership in the 21st century. Students take classes in mechanics, materials, electronics, and quality, depending on their emphasis field. The two areas of emphasis offered are General Engineering and Industrial Engineering.

## **Construction and Facilities Management**

The Bachelor of Science in Construction and Facilities Management degree program is designed to educate students to apply advanced materials and design techniques as solutions to construction problems. The comprehensive curriculum combines technical education with instruction in current design and methods employed in industry. Students learn to organize the available workforce, materials, and equipment to design, manage, and support projects. Graduates are prepared to take a managerial/supervisory role in the processes involved in industry.

## **Engineering Technology**

The Bachelor of Science in Engineering Technology degree program is designed to represent the practical application of mathematics, science, and engineering to real-world operation, production, and service problems. Students learn to organize and optimize resources to develop, create, operate, maintain, and manage projects. The program includes a strong foundation in hands-on learning coupled with business management principles and practices.

## **Engineering Transfer Students**

There are two primary paths for transfer students to enter the program: 1) transfer from a two- or four-year institution, or 2) through the Linkages program, where students co-register with WIU Engineering and a partner college.

Transfer students seeking admission to any engineering program must satisfy general University admissions requirements. Advanced placement credit for 18 hours of select lower-division Engineering courses from a community college or from a non-ABET accredited Engineering program will be provisionally granted providing the following is true: 1) the student earned a minimum grade of "C" or above (2.0 on a 4.0 scale) for completed courses that are deemed equivalent as determined by the School, 2) the courses conform with IAI standards, and 3) the student completes the first 9 semester hours of 300-level Engineering courses with a "C" or above. Final advanced placement credit will be granted upon proof of passing the Fundamentals of Engineering Exam. Please contact the School of Engineering with any questions.

Students seeking transfer credit for required engineering, mathematics, and science courses must have earned a grade of C or better in all such courses to receive full credit (see degree requirements).

## **Technology Transfer Students**

Transfer students seeking admission to Construction and Facilities Management or Engineering Technology must satisfy general University admissions requirements. A cumulative grade point average of "C" or higher (2.0 on a 4.0 scale) is required.

Normally, completing an Associate of Science (A.S.) degree at most community colleges will provide the required foundation to transfer to WIU to pursue a technology-related degree. A grade of "C" or higher is required to receive general education credit for a writing course. Classes that fulfill Foreign Language/Global Issues requirement requirements must be approved by academic coordinator or advisor. Additional math coursework may be required based on the student's Mathematics placement scores. Computer literacy is required.

Generally, no more than 67 semester hours (s.h.) will transfer from community colleges. Although students transferring to WIU are required to take a minimum of 60 s.h. from WIU or another accredited four-year institution, transfer students in these majors generally earn at least 63 s.h. from WIU. Students are encouraged to

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consult with WIU academic coordinators and/or advisors for full assessment of credit transfers.

## **Degree Programs**

### **Bachelor of Science—Mechanical Engineering**

All students seeking the Bachelor of Science in Mechanical Engineering must complete I, II, III.A or III.B or III.C, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h.	
II.	Core Courses^ .....	51 s.h. ENGR/ET 105; ENGR 211@, 212&, 220%, 251, 271, 300, 310, 320, 322, 340, 351, 370, 411, 490† (4 s.h.), 491; ENGR/SCM 457	
III.	Emphases of Study^ (select A, B, or C).....	6 s.h. A. Design Engineering Select 6 s.h. from the following courses: ENGR 410, 440, 470, 481, 482 .....	6 s.h.
	B. Manufacturing Engineering Select 6 s.h. from the following courses: ENGR 345, 410, 440, 470, 481 .....	6 s.h.	
	C. Robotics Engineering Select 6 s.h. from the following courses: ENGR 440, 470, 472, 481 .....	6 s.h.	
IV.	Other Requirements* .....	30 s.h. A. CHEM 201* .....	4 s.h.
	B. MATH 133*, 134*, 231, and 333 .....	15 s.h.	
	C. PHYS 211* and 213.....	8 s.h.	
	D. One additional Chemistry or Physics course .....	minimum 3 s.h.	

**Note:** MATH 311 is highly recommended for students who want to complete a minor in Mathematics.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

^ Mechanical Engineering majors must complete each ENGR core course, emphasis course, directed elective course, and all directed mathematics and science courses (or equivalent transfer course) with a grade of C or better.

@ Students may also fulfill this requirement through the completion of PHYS 310 with a grade of C or better. See advisor.

& Students may also fulfill this requirement through the completion of PHYS 311 with a grade of C or better. See advisor.

% Students may also fulfill this requirement through the completion of CS 225 with a grade of C or better. See advisor.

† ENGR 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

\* 10 s.h. may count toward the University General Education requirement.

## **Bachelor of Science—Electrical Engineering**

All students seeking the Bachelor of Science in Electrical Engineering must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

- I. University General Education Curriculum (p. 69) ..... 43 s.h.
- II. Core Courses<sup>^</sup> ..... 42 s.h.  
ENGR/ET 105; ENGR 211@, 212&, 220%, 271, 300, 370, 371, 372, 374,  
375, 490† (4 s.h.), 491; ENGR/SCM 457
- III. Special Courses (select one of the following emphases) ..... 6 s.h.
  - A. General  
ENGR 373, 470 ..... 6 s.h.
  - B. Power  
ENGR 430, 431 ..... 6 s.h.
- IV. Directed Electives<sup>^</sup> ..... 6 s.h.  
Select a minimum of 6 s.h. from the following courses:  
ENGR 471, 472, 473, 474, 480
- V. Other Requirements<sup>\*\*</sup> ..... 33 s.h.
  - A. CHEM 201\* ..... 4 s.h.
  - B. MATH 133\*, 134\*, 231, 311, and 333 ..... 18 s.h.
  - C. PHYS 211\* and 213 ..... 8 s.h.
  - D. One additional Chemistry or Physics course ..... minimum 3 s.h.
- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- ^ Electrical Engineering majors must complete each ENGR core course, directed elective course, and all directed mathematics and science courses (or equivalent transfer course) with a grade of C or better.
- @ Students may also fulfill this requirement through the completion of PHYS 310 with a grade of C or better. See advisor.
- & Students may also fulfill this requirement through the completion of PHYS 311 with a grade of C or better. See advisor.
- % Students may also fulfill this requirement through the completion of CS 225 with a grade of C or better. See advisor.
- † ENGR 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.
- \* 10 s.h. may count toward the University General Education Curriculum requirement.

## **Bachelor of Science—Civil Engineering**

All students seeking the Bachelor of Science in Civil Engineering must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 127 s.h.

- I. University General Education Curriculum (p. 69) ..... 43 s.h.
- II. Core Courses<sup>^</sup> ..... 49 s.h.  
CSTM 236; ENGR/ET 105; ENGR 211@, 212&, 220%, 251, 305, 310, 360,  
405, 412, 452, 453, 460, 461, 490† (1 s.h.); ENGR/SCM 457

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III.	Directed Electives^*	.....	15 s.h.
A.	Science Electives .....	.....	3 s.h.
	Select a minimum of 3 s.h. from the following list: BIOL/GEOL 181*; BOT 200*; MICR 200*; GEOG 100*, 110*, 121*; GEOL 113*; GIS 108*, 201		
B.	Fundamentals of Engineering Electives .....	.....	6 s.h.
	Select a minimum of 6 s.h. from the following list: ENGR 271, 300, 351, 370, 372; ENGR/ACCT 307		
C.	Engineering Electives.....	.....	6 s.h.
	Select a minimum of 6 s.h. from the following list: CSTM 301, 302, 345, 348, 430, 433, 440; ENGR 481; ENGR/ET 482		
IV.	Other Requirements^*	.....	30 s.h.
A.	CHEM 201* .....	.....	4 s.h.
B.	MATH 133*, 134*, 231, and 333 .....	.....	15 s.h.
C.	PHYS 211* and 213.....	.....	8 s.h.
D.	One additional Chemistry or Physics course .....	.....	minimum 3 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.		
^	Civil Engineering majors must complete each ENGR core course, directed elective course, and all directed mathematics and science courses (or equivalent transfer course) with a grade of C or better.		
@	Students may also fulfill this requirement through the completion of PHYS 310 with a grade of C or better. See advisor.		
&	Students may also fulfill this requirement through the completion of PHYS 311 with a grade of C or better. See advisor.		
%	Students may also fulfill this requirement through the completion of CS 225 with a grade of C or better. See advisor.		
†	ENGR 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.		
*	10 s.h. may count toward the University General Education Curriculum requirement.		

## **Bachelor of Science—Engineering**

All students seeking the Bachelor of Science in Engineering must complete I, II, III.A or III.B, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses^ .....	36 s.h.
	ENGR/ET 105; ENGR 211@, 212&, 220%, 251, 271, 300, 310, 351, 490† (4 s.h.), 491 ENGR/SCM 457	
III.	Emphases of Study^ (select A or B) .....	21 s.h.
A.	General Engineering	
	1. Special Courses .....	12 s.h.
	ENGR 320, 340, 370, 411	
	2. Directed Electives.....	9 s.h.
	Select 9 s.h. from the following courses: ENGR 470, 472, 481, 482; MGT/OM 352; MGT 455	

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B.	Industrial Engineering	
1.	Special Courses .....	15 s.h.
	ENGR 340, 345, 411; MGT/OM 352; MGT 455	
2.	Directed Electives.....	6 s.h.
	Select 6 s.h. from the following courses: ENGR 320, 360, 370, 470	
IV.	Other Requirements <sup>**</sup> .....	30 s.h.
A.	CHEM 201* .....	4 s.h.
B.	MATH 133*, 134*, 231, and 333 .....	15 s.h.
C.	PHYS 211* and 213.....	8 s.h.
D.	One additional Chemistry or Physics course .....	minimum 3 s.h.

***Note:*** MATH 311 is highly recommended for students who want to complete a minor in Mathematics.

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- ^ Engineering majors must complete each ENGR core course, emphasis course, directed elective course, and all directed mathematics and science courses (or equivalent transfer course) with a grade of C or better.
- @ Students may also fulfill this requirement through the completion of PHYS 310 with a grade of C or better. See advisor.
- & Students may also fulfill this requirement through the completion of PHYS 311 with a grade of C or better. See advisor.
- % Students may also fulfill this requirement through the completion of CS 225 with a grade of C or better. See advisor.
- † ENGR 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.
- \* 10 s.h. may count toward the University General Education requirement.

## **Bachelor of Science—Construction and Facilities Management**

All students seeking the Bachelor of Science in Construction and Facilities Management must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

***Note:*** Students enrolled in this major may not minor in Construction and Facilities Technology.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	54 s.h.
	CSTM 132, 230, 234, 236, 260, 301, 302, 337, 345, 348, 430, 433, 434, 440, 460, 493† (3 s.h.); BCOM/CSTM/ET 320†; ET 105	
III.	Directed Electives.....	6 s.h.
	Choose 6 s.h. from the following: CSTM 336; ET 344, 345, 346; HRM 353; RPTA 482	
IV.	Open Electives .....	4 s.h.
V.	Other.....	26 s.h.
A.	ACCT 200 or 201 or 307 .....	3 s.h.
B.	B L 230 or 431 or 432.....	3 s.h.
C.	ECON 100 or 231 or 232 .....	3 s.h.
D.	GEOL 110.....	4 s.h.

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- E. MATH 113.....3 s.h.
  - F. MGT 349.....3 s.h.
  - G. PHYS 114 or 150.....4 s.h.
  - H. STAT 171 .....3 s.h.
- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course (including CSTM 440); or 4) an approved Study Abroad program.
- † BCOM/CSTM/ET 320 and CSTM 493 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

### **Bachelor of Science—Engineering Technology**

All students seeking the Bachelor of Science in Engineering Technology must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** *Students enrolled in this major may not minor in Manufacturing Technology.*

- I. University General Education Curriculum (p. 69) .....43 s.h.
  - II. Core Courses.....57 s.h.  
ET 105, 207, 241, 261, 344, 345, 356, 367, 403, 446, 448, 468, 477, 481, 482, 493 (9 s.h.)†; BCOM/CSTM/ET 320†
  - III. Other\* .....30 s.h.
    - A. CHEM 101 .....4 s.h.
    - B. ECON 100 or 231 or 232 .....3 s.h.
    - C. MGT 349.....3 s.h.
    - D. MGT/OM 352 .....3 s.h.
    - E. MATH 128, 129 .....6 s.h.
    - F. PHYS 114, 115.....8 s.h.
    - G. STAT 171 .....3 s.h.
  - IV. Open Electives .....3 s.h.
- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- † BCOM/CSTM/ET 320 and ET 493 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.
- \* 13 s.h. may count toward the University General Education requirement.

## **Minors**

### **Minor in Construction and Facilities Technology .....18 s.h.**

**Note:** *This minor is not open to students majoring in Construction and Facilities Management.*

1. Required Courses .....12 s.h.  
CSTM 132, 230, 234, 348
2. Choose 6 s.h. from the following: .....6 s.h.  
CSTM 236, 260, 301, 302, 336, 337, 345, 430, 433, 434, 440, 460;  
ET 105, 344, 346

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## Minor in Industrial Technology ..... 18 s.h.

1. ET 105 ..... 3 s.h.
2. 15 s.h. chosen from the following: ..... 15 s.h.
  - a. ET Electives from any area of specialization as approved by the department academic advisor
  - b. MGT 349
  - c. MGT/OM 352

## Minor in Manufacturing Technology ..... 21 s.h.

**Note:** This minor is not open to students majoring in Engineering Technology.

1. Required Courses ..... 9 s.h.  
ET 105, 241, 345
2. Choose 12 s.h. from the following: ..... 12 s.h.  
ET 207, 261, 344, 356, 367, 403, 446, 468, 477, 481, 482

## Minor in Operations Management ..... 18-21 s.h.

1. ACCT 201\* and 202\*, or (preferred) ACCT 307\* ..... 3-6 s.h.
2. ET 344, 345; HRM 353; MGT/OM 352; ENGR/SCM 457 ..... 15 s.h.

\* Business majors should consult with their academic advisor.

## Course Descriptions

### CONSTRUCTION MANAGEMENT (CSTM)

#### 132 Introduction to Construction Management. (3)

Introduction to the field of Construction and Facilities Management. Includes the study and application of methods, systems, processes, tools, and equipment that are common to current industry practices in the built environment. *Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

#### 230 Construction Documents and Plan Reading. (3)

A comprehensive study of the common construction documents including plan reading methodologies, bid documents, addenda, and basic quantity take-off of construction materials. *Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. 3 hrs. lect.*

#### 234 Construction Systems and Concepts. (3)

Construction systems and concepts including relationships between materials used in construction. Content includes basic materials used in residential and commercial structures. *Prerequisite or Corequisite: CSTM 132. 3 hrs. lect.*

#### 236 Surveying for Construction. (3)

An introduction to surveying methods used in the construction industry. Students will learn surveying techniques for roads and building sites. Conventional as well as electronic surveying equipment will be used. *Not open to students with credit in AGTM 461. Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

#### 260 Construction Statics and Strength of Materials. (3)

A study of structural factors that influence the development of building design. Survey of statics and strength of materials with an introduction to structural planning and preliminary structural design for temporary structures related to Construction Management. *Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. 3 hrs. lect.*

#### 301 Residential Architectural Design. (3)

The study of residential architectural design including

drawing setup, architectural programming, site plan, floor plan layouts, elevation, construction details, and 3D modeling using current industry software. Provides students with the foundational knowledge of blueprint creation for residential building construction projects. *Prerequisite: ET 105. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**302 Commercial Architectural Design. (3)** A study of Building Information Modeling (BIM) for commercial construction teaching students the basic skills to develop and use BIM on a project for construction planning, documents, cost estimating, and high-quality 3D designs utilizing current industry software. *Prerequisite: CSTM 301. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

#### 320 (Cross-listed with BCOM 320 and ET 320) Professional Preparation and Business Communication. (3)

Practical application of effective written and oral business communication concepts. Prepares and enables students to gain skills and learn strategies for career success. Topics will include problem solving, communication, interpersonal relations, resume preparation, and interviewing. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BCOM 320 or ET 320. Prerequisites: ENG 280 and junior standing.*

#### 336 Aggregate Based Materials. (3)

A study of residential and commercial uses of aggregate materials as structural systems with a focus upon aggregate, Portland cement concrete, and asphalt cement concrete. Laboratory experiences include application techniques. *Prerequisite: CSTM 234. 2 hrs. lect.; 2 hrs. lab.*

#### 337 Electrical and Mechanical Systems. (3)

A study of electrical and mechanical systems. Content includes electrical, plumbing, and HVAC system design; lighting, acoustics systems selection, and utilization for energy conservation. Sustainable energy options and trends for all systems will also be introduced. *Prerequisite: CSTM 234. 3 hrs. lect.*

#### 345 Construction Scheduling. (3)

A study of planning and scheduling practices used by

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the construction industry. Scheduling logic, productivity and durations, resource leveling, cost loading, critical path issues, and applications of computer software for the creation of construction project schedules are covered.

*Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. Pre- or co-requisites: CSTM 230 and 234, or permission of instructor. 3 hrs. lect.*

**348 (Formerly CSTM 448) Construction Occupational Safety and Health. (3)** A study of the Federal OSHA Act as it applies to the construction industry. Beyond federal regulations, the course includes accident prevention plans, safety education, and documentation preparation. *Pre- or co-requisite: CSTM 234 or permission of instructor. 3 hrs. lect.*

**356 (Cross-listed with ET 356) Introduction to Power Systems. (3)** A study of electrical, hydraulic, and pneumatic power systems. Emphasis upon structural and behavioral characteristics of components used in the generation, transmission, and control of power systems used in contemporary industry. *Not open to students with credit in ET 356. Prerequisite or Corequisite: PHYS 114 or 115 or 150 or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**430 Construction Estimating. (3)** A study of construction industry estimating techniques and practices for both residential and commercial construction. Students will practice estimating with both simulation exercises and actual construction projects. Computer software will be utilized in this course. *Prerequisite: CSTM 230 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

**433 Legal Aspects of Construction. (3)** A comprehensive review of legal aspects of construction for managers. Topics include contracts/agreements, liens, bonds, insurance, codes, certification, laws, and ethics. *Prerequisite: CSTM 230 or permission of instructor. 3 hrs. lect.*

**434 Construction and Facilities Management. (3)** Summarizes the project management issues in both Construction and Facilities Management professions. Includes Construction and Facilities Planning, Capital Projects Management, Real Estate, and Human Resource Management as they link to current technology relevant to new and existing constructed works. *Prerequisites or Corequisites: CSTM 345, 430, and 433; ET 346 or permission of instructor. 3 hrs. lect.*

**440 Green and Sustainable Construction. (3) (Global Issues)** Comprehensive coverage of green and sustainable construction principles, materials, and methods. Sustainable construction rating systems will be discussed with the focus on LEED criteria. *Prerequisite: 75 hours of completed college coursework or permission of instructor. 3 hrs. lect.*

**455 Construction Management Seminar. (1-3, repeatable to 3 for different topics)** Each offering provides students with an opportunity for intensive study in specialty topics reflective of the variety in Construction Management. *Graded S/U only. Prerequisite: junior standing or permission of instructor.*

**460 Soils and Foundations for Construction. (3)** A course on basic principles of structural soils and structure foundations, soil classification

implications, and applications for the construction industry. *Prerequisite: CSTM 260. 3 hrs. lect.*

**470 Facilities Management Capstone. (3)** Summarizes the construction option of study in Facilities Management combining areas of Facilities Planning, Capital Projects Management, Real Estate, and Human Resource Management as they link to current technology. *Prerequisites: RPTA 482, ET 346, and senior standing. 3 hrs. lect.*

**492 Independent Study. (1-3, repeatable to 6)** Selection and exploration of a specific area of Construction Management or planning issue, solution of a specific construction industry problem, in-depth study of specific areas of construction, or exploration and/or achievement of a relevant professional certification.

*Prerequisite: Senior college standing, 21 s.h. of CSTM coursework, and approval of Director. GPA requirement of 2.50 in major.*

**493 Internship. (3, repeatable to 9)** Off-campus work experience in construction. Written weekly reports required. *Writing Instruction in the Disciplines (WID) course. Recommend completion before entering last term on campus. A maximum of 9 s.h. may be applied toward major requirements. Prerequisites: junior/senior standing; ENG 280; CSTM 348. A cumulative minimum GPA of 2.00, a minimum GPA 2.00 in the major/minor, and approval of Director. Graded S/U only.*

## **ENGINEERING (ENGR)**

**100 (Cross-listed with ET 100) Engineering Study and Seminar. (0, repeatable with no maximum)** Facilitates learning for Engineering and Engineering Technology students attending a cohort study hall, seminars, and other engineering/technology events (attendance is required for some engineering scholarships). *Not open to students with credit for ET 100. Prerequisite: Engineering or Mechanical Engineering major. 3 hrs. lab. Graded S/U only.*

**105 (Cross-listed with ET 105) Engineering Graphics. (3)** An introduction to drafting including shape description, geometric construction, orthographic and isometric drawing, sectioning, dimensioning, and applied descriptive geometry. Basic dimensioning, tolerancing, and pictorial drawings will be covered. An introduction to computer based drafting. *Not open to students with credit for ET 105. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*  
*IAI: EGR 941.*

**211 Engineering Statics. (3)** The first course in Engineering Mechanics for engineers; mechanics of forces and force systems, static equilibrium, forces in structures and machines, friction, centroids, moments of inertia, radii of gyration, and virtual work are examined. *Not available to students who are currently enrolled in or have completed PHYS 310 or PHYS 312. Prerequisites: C or above in MATH 133 and PHYS 211. 3 hrs. lect.*  
*IAI: EGR 942.*

**212 Engineering Dynamics. (3)** Kinematics, Newton's laws of motion, work-energy and impulse-momentum relationships, and vibrations applied to engineering systems. *Not available to students who are currently enrolled in or have completed PHYS 311 or PHYS 312. Prerequisite: C or above in ENGR 211. 3 hrs. lect.*

# Engineering and Technology

## 220 Computational Methods for Engineers.

(3) Programming with MATLAB as a numerical computation tool to solve engineering problems. Covers how to apply the concepts learned in math, physics, and engineering courses to problem solving related to computationally intensive engineering applications. *Prerequisite or Corequisite: PHYS 211. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

*C or above in ENGR 212 and MATH 333. 3 hrs. lect.; 1 hr. lab.*

## 251 Strength of Materials. (3)

Introduction to stress and deformation analysis of basic structural materials subjected to axial, torsional, bending, and pressure loads. *Prerequisite: C or above in ENGR 211 or PHYS 310. 2 hrs. lect.; 2 hrs. lab.*

**IAI: EGR 945.**

## 271 Electrical Circuits I. (3)

An introductory electrical circuits course for all engineering disciplines; provides comprehensive coverage of electronic theory, fundamentals, practices, and analysis and problem solving strategies for DC and AC circuitry, and RLC networks. Includes use of engineering software to simulate and analyze. *Prerequisites: C or above in MATH 231 and PHYS 213. 2 hrs. lect.; 2 hrs. lab.*

## 293 (Cross-listed with ET 293) Industrial Work Experience. (1-3, repeatable to 6)

Industrial work experience in manufacturing, construction, or engineering in an approved industrial environment under the supervision of a University instructor and industrial supervisor. Completion of three 40-hour work weeks required for each semester hour of credit. *Not open to students with credit for ET 293. Prerequisites: major in the School of Engineering and Technology or permission of instructor.*

## 300 Engineering Thermodynamics. (3)

First and second laws of thermodynamics, equations of state for liquids and gases, heat and work transfer, phase equilibrium and change, mass and energy balance for control volumes, availability, exergy, power and refrigeration cycles; strategies for solving engineering problems. *Prerequisite: C or above in MATH 231. 3 hrs. lect.*

## 305 Transportation Engineering. (3)

An application of science, mathematics, and engineering mechanics to the movement of material, people, and goods. The planning, forecasting, and impact of various modes of transportation are considered with emphasis on capacity, level of service, and economy. *Prerequisite: C or above in MATH 231. 2 hrs. lect.; 2 hrs. lab.*

## 307 (Cross-listed with ACCT 307) Accounting for Managers and Engineers. (3)

Covers basic financial and cost accounting concepts and techniques. Emphasis is on the use of accounting information by managers and engineers for planning, controlling, and operating decisions. *Cannot be applied towards meeting the requirements for Accountancy major or minor or Engineering major without prior approval of the Department Chair or School Director. Not open to students with credit for ACCT 201, ACCT 202, or ACCT 307. Prerequisite: junior standing.*

## 310 Fluid Dynamics. (3)

Introduction to the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. *Prerequisite:*

*C or above in ENGR 212 and MATH 333. 3 hrs. lect.; 1 hr. lab.*

**320 Mechanical Design I. (3)** Mechanical design including an overview of the design process, engineering mechanics, failure prevention under static and variable loading, bearings, transmission elements, lubrication, and characteristics of the principal types of mechanical elements. Includes use of engineering software to simulate and analyze. *Prerequisites: ENGR 105 and grade of C or above in ENGR 211 and 251. 3 hrs. lect.*

**322 Mechanical Design II. (3)** Kinematics and dynamics of machinery, including analytical kinematics, force analysis, cam design, and balancing. Application of elementary mechanics of solids to analyze and size machine components for stress and deflection. Finite-element analysis with emphasis on beam and plate models. *Prerequisite: C or above in ENGR 211, 212, 251, and 320. 3 hrs. lect.*

**340 Manufacturing Engineering. (3)** A comprehensive overview of the manufacturing process. Key concepts include production system structure and design, manufacturability, quality control, and the techniques, tools, and methods that organizations use to improve overall performance while meeting customer cost, performance, and delivery requirements. *Prerequisites: junior standing as an Engineering, Electrical Engineering, or Mechanical Engineering student; C or above in MATH 133 or MATH 137; and permission of School. 3 hrs. lect.*

**345 (Cross-listed with ET 345) Continuous Improvement: Quality. (3)** The study of Continuous Process Improvement. Students will learn about PDCA/DMAIC models, fundamental quality tools, FMEA, minimizing variation through Statistical Process Control, process capability studies, reliability, VOC, layered audits, and performance metrics. *Not open to students with credit for ET 345. Prerequisite: sophomore standing. 3 hrs. lect.*

**351 Engineering Material Science. (3)** This course covers the use of materials in engineering designs including structures of polymers, metals, and ceramics; processes such as heat treatment and solidification; failure mechanisms in service and design techniques to avoid failures; and strategies for material selection. *Prerequisite: C or above in ENGR 251. 3 hrs. lect.*

**360 Structural Analysis. (3)** Modeling, analysis, and requirements for static design of trusses, frames, cable, and other common structural shapes including an introduction to light weight structures, use of computer analysis methods and other tools. *Prerequisite: C or above in ENGR 251. 3 hrs. lect.*

**370 Microelectronics I. (3)** An electronics course for interdisciplinary engineers dealing with the design, analysis, and strategies for using OpAmps, semi-conductor devices in both analog and digital power electronics, communications systems, sensor systems, and electric power applications as part of a Mechatronic System. *Prerequisite: C or above in ENGR 271. 2 hrs. lect.; 2 hrs. lab.*

**371 Signals and Systems. (3)** This course covers the study of signals and systems in continuous and discrete time. It constitutes

# **Engineering and Technology**

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the basic theory of communication systems, control systems, signal processing, and almost all disciplines of electrical and computer engineering. *Prerequisites: C or above in ENGR 271, MATH 311, and MATH 333. 3 hrs. lect.*

**372 Engineering Probability and Stochastic Processes.** (3) This course covers the fundamentals of basic probability theory, random variables, and random processes to provide analysis techniques for stochastic systems. Introduction of multivariate random variable principles, random processes, and characterization of random phenomena in engineering applications. *Prerequisites: C or above in ENGR 271, MATH 311, and MATH 333. 3 hrs. lect.*

**373 Linear Control Systems.** (3) The design and analysis of control systems using transfer function-based methods. Topics include modeling of physical systems as transfer functions, stability analysis, design specifications, design of controllers by Root Locus, frequency response techniques, and computer-aided analysis and design. *Prerequisite: C or above in ENGR 371. 3 hrs. lect.*

**374 Electrical Circuits II.** (3) Comprehensive coverage of AC power, three-phase circuits, magnetically coupled circuits, Laplace Transform and applications, Fourier Series, and Fourier Transform. Use of engineering software to simulate and analyze circuits. *Prerequisite: C or above in ENGR 271. 3 hrs. lect.*

**375 Electric Machines.** (3) Magnetic circuits, transformers, magnetic energy, force/torque and heat dissipation, DC/AC machines/circuits, torque analysis, and power efficiency. Three-phase transformers, synchronous and induction machines, per unit system, and power distribution, including laboratories in transformers and DC/AC machines. *Prerequisite: C or above in ENGR 374. 2 hrs. lect., 2 hrs. lab.*

**405 Highway Engineering.** (3) A study in road and highway elements including location, geometrics, drainage, materials, pavements, signage, and traffic controls. *Prerequisite: C or above in ENGR 305. 3 hrs. lect.*

**410 Intermediate Thermo-Fluid Dynamics.** (3) Differential equation form of the conservation of mass, momentum, and energy applied to internal flows, boundary layers, lift-drag, and open channel flows. Applications include turbomachinery, gas-vapor mixtures, psychrometrics, combustion, and compressible flow. *Prerequisite: C or above in ENGR 310. 2 hrs. lect.; 2 hrs. lab.*

**411 Heat Transfer.** (3) Fundamentals of engineering heat transfer. Steady and transient heat conduction in solids. Finned surfaces. Numerical solution techniques. Forced and free convection, condensation, and boiling. Design and analysis of heat exchangers. Radiation heat transfer. Problems in combined convection and radiation. *Prerequisite: C or above in ENGR 300. 2 hrs. lect.; 2 hrs. lab.*

**412 Hydrology.** (3) An introduction to the hydrologic cycle. Concepts and principles of water flow are developed into techniques to solve hydrologic problems; analysis of precipitation, evaporation, transpiration, infiltration, groundwater flow, surface runoff, and streamflow

is covered. *Prerequisite: C or above in ENGR 310. 3 hrs. lect.*

**430 Power Electronics.** (3) Introduces power semiconductor devices and circuits, AC/DC converters, thyristors and commutation techniques, phase-controlled rectifiers, choppers and inverters, AC voltage controllers, and cycloconverters. Covers power electronic devices, such as IGBT and power MOSFET, and some industrial applications with laboratory. *Prerequisite: C or above in ENGR 370. 2 hrs. lect.; 2 hrs. lab.*

**431 Electrical Energy Systems.** (3) Introduction to generation, transmission, and distribution of electrical energy, analysis and design of three-phase circuits, representation of power systems and per unit normalization, symmetrical components, stability, and unsymmetrical faults. Computer-aided problem-solving and analysis are included. *Prerequisite: C or above in both ENGR 220 and 375. 3 hrs. lect.*

**440 Additive Manufacturing.** (3) An introduction to additive manufacturing processes such as powder bed fusion, direct energy deposition, extrusion, photopolymerization, material jetting, and binder jetting. An overview of additive manufacturing software, design, and applications is also incorporated. *Prerequisite: C or above in ENGR 105 and C or above in ENGR 351, or permission of instructor and/or director. 3 hrs. lect.*

**452 Geotechnical Engineering I.** (3) An introduction to soil mechanics and geotechnical engineering. Topics covered include the origin of soil, definition of soil properties, phase relationships, soil classification, compaction, seepage, subsurface stress, settlement, and 1-D consolidation. *Prerequisites: C or above in ENGR 251, 310, and MATH 333. 2 hrs. lect.; 2 hrs. lab.*

**453 Geotechnical Engineering II.** (3) Introduction to shear strength based analysis of foundations and structures in geotechnical engineering. Topics covered include bearing capacity and settlement of shallow foundations, deep foundations, earth retaining structures and slope stability; testing and analysis of soil for shear strength. *Prerequisite: C or above in ENGR 452. 2 hrs. lect.; 2 hrs. lab.*

**457 (Formerly ENGR 331) (Cross-listed with SCM 457) Project Management.** (3) Presents concepts, steps/techniques required to select, organize, staff, manage, and deliver successful projects. Topics include managing innovation, change, cross-functional teams, and applying critical thinking to meet outcomes/objectives. Aligns with the Project Management Institute's CAPM and PMP certifications. *Not open to students with credit for SCM 457. Prerequisite: MGT/OM 352 or SCM 211 or ENGR 211 or permission of instructor.*

**460 Structural Steel.** (3) Analysis of structural steel elements using the LRFD (load and resistance factor design) methodology to resist the action of axial, shear, bending, and combined stresses; includes stability of structural elements and connections, and use of modern engineering software. *Prerequisite: C or above in ENGR 360. 2 hrs. lect.; 2 hrs. lab.*

**461 Reinforced Concrete.** (3) This course covers the analysis and fundamentals of reinforced concrete members using current

standards including analysis of members for flexure, shear, and axial forces; serviceability criteria, bond and development length considerations; use of modern engineering software. *Prerequisite: C or above in ENGR 360.* 2 hrs. lect.; 2 hrs. lab.

**470 Mechatronics I. (3)** Mechatronics is the integration of mechanical, electrical, computer control, and systems dynamics design engineering. This course brings together all previous instruction in structures, mechanisms, electronics, programming, and design and makes use of modern integrated software to design a mechatronic system. *Prerequisites: C or above in ENGR 212, 220, and 370.* 2 hrs. lect.; 2 hrs. lab.

**471 Microelectronics II. (3)** This course covers analysis and design of microelectronic devices and circuits with industrial applications. Devices and circuits will include: digital, single-ended, linear amplifiers, and other integrated circuits. *Prerequisite: C or above in ENGR 370 or permission of the instructor.* 3 hrs. lect.; 1 hr. lab.

**472 Mechatronics II. (3)** This course is a continuation of ENGR 470 and involves the design, fabrication, and demonstration of a novel practical mechatronic system. *Prerequisite: C or above in ENGR 470 or permission of instructor.* 2 hrs. lect.; 2 hrs. lab.

**473 Industrial Controls. (3)** This course will emphasize basic to advanced knowledge of methods used in industry to deliver, control, and monitor electrical devices. Course content will focus upon understanding and creating wire diagrams, selection of electrical devices and programmable logic devices applications. *Prerequisite: C or above in ENGR 373 or permission of instructor.* 2 hrs. lect.; 2 hrs. lab.

**474 Renewable Energy. (3)** Introduction to distributed energy resources and renewable energy systems with emphasis on technology and application. Comparison of fossil fuel to renewable energy such as solar, biomass, wind, geothermal, and hydroelectric. Discussions on Net Present Value and Life Cycle Cost analysis. *Prerequisite: C or above in ENGR 271.* 3 hrs. lect.

**480 Microgrids. (3)** Introduction to the electricity grid and power grid modernization, microgrid (MG) concepts, state-space representation, data quality framework, state-space representation of a droop-based MG, hierarchical control and operation, networked MGs, MG controller, and MG protection. *Prerequisite: C or above in ENGR 431.* 3 hrs. lect.

**481 Finite Element Analysis. (3)** The finite element method and its application to engineering problems: truss and frame structures, linear elasticity, plane stress and plane strain, axisymmetric elements, isoparametric formulation, heat conduction, transient analysis; use of commercial software; overview of advanced topics. *Prerequisites: C or above in ENGR 300 and 351, and C or above in either ENGR 320 or 360.* 2 hrs. lect.; 2 hrs. lab.

**482 (Cross-listed with ET 482) Parametric Modeling. (3)** The application of computer aided design techniques utilizing industrial software within a minicomputer and workstation environment. *Not open to students with credit for ET 482.* *Prerequisite: ET 207.* *Laboratory charge for course.* 2 hrs. lect.; 2 hrs. lab.

**490 Engineering Senior Project. (1-3, repeatable to 4 in two consecutive semesters)** Students complete an assigned and/or industry sponsored engineering project that is open ended and requires research, analysis, decision making, data interpretation, the reporting of results, and a final presentation. Team building, communication, and critical thinking are emphasized. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: only available to majors in the School of Engineering and Technology. C or above in all required Math, Science, and core courses (except for ENGR 491); approval of the instructor.* *To be taken in the final semester (two semesters if repeated) of student's Engineering Emphasis of Study.* Arranged. *Laboratory charge for course.*

**491 Engineering Internship. (2)** Off-campus work experience in engineering. Written weekly reports and copies of all projects, analysis, and other work are required. Recommend completion before entering last term on campus. *Prerequisites: senior standing, a minimum GPA of 2.00, a minimum GPA of 2.00 from courses completed within the major, and approval of program coordinator.* Graded S/U only.

**492 Independent Study. (3, repeatable to 6)** Investigation of a specific engineering topic enabling students to advance in their degree plan, or focus on a specialized discipline, process, or problem. *Prerequisites: permission of the Instructor and the Director.* 3 hrs. lect..

## ENGINEERING TECHNOLOGY (ET)

**100 (Cross-listed with ENGR 100) Engineering Study and Seminar. (0, repeatable with no maximum)** Facilitates learning for Engineering and Engineering Technology students attending a cohort study hall, seminars, and other engineering/technology events (attendance is required for some engineering scholarships). *Not open to students with credit for ENGR 100.* *Prerequisite: Engineering or Mechanical Engineering major.* 3 hrs. lab. Graded S/U only.

**105 (Cross-listed with ENGR 105) Engineering Graphics. (3)** An introduction to drafting including shape description, geometric construction, orthographic and isometric drawing, sectioning, dimensioning, and applied descriptive geometry. Basic dimensioning, tolerancing, and pictorial drawings will be covered. An introduction to computer based drafting. *Not open to students with credit for ENGR 105.* *Laboratory charge for course.* 2 hrs. lect.; 2 hrs. lab.

*IAI: EGR 941.*

**207 Geometric Modeling. (3)** Principles and techniques of basic computer aided drafting and the application of software to produce two-dimensional and three-dimensional drawings and designs. *Not open to students with credit for ENGR/ET 482.* *Prerequisite: ENGR/ET 105.* *Laboratory charge for course.* 2 hrs. lect.; 2 hrs. lab.

**241 Manufacturing Processes. (3)** An introduction to production processes in manufacturing industries. Laboratory assignments will involve processing plastic and composite materials, along with welding and casting of metals. *Laboratory charge for course.* 2 hrs. lect.; 2 hrs. lab.

# Engineering and Technology

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**261 Machine Tool Production.** (3) The theory and operation of machine tools and precision measuring instruments. Laboratory assignments will involve material removal processes.

*Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**293 (Cross-listed with ENGR 293) Industrial Work Experience.** (1-3, repeatable to 6)

Industrial work experience in manufacturing, construction, or engineering in an approved industrial environment under the supervision of a University instructor and industrial supervisor. Completion of three 40-hour work weeks required for each semester hour of credit. *Not open to students with credit for ENGR 293. Prerequisites: major in the School of Engineering and Technology or permission of instructor.*

**320 (Cross-listed with BCOM 320 and CSTM 320) Professional Preparation and Business Communication.** (3) Practical application of effective written and oral business communication concepts. Prepares and enables students to gain skills and learn strategies for career success. Topics will include problem solving, communication, interpersonal relations, resume preparation, and interviewing. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BCOM 320 or CSTM 320. Prerequisites: ENG 280 and junior standing.*

**344 Continuous Improvement: Lean Practices.** (3) Comprehensive study of non-value-added practices, their financial impact, and techniques/tools used to reduce or eliminate them. Lean principles are emphasized. Includes 5S, Kanban and supermarket systems, Poka Yoke, Value Streams, setup reduction, Visual Control, and corrective action. *Prerequisite: sophomore standing. 3 hrs. lect.*

**345 (Cross-listed with ENGR 345) Continuous Improvement: Quality.** (3) The study of Continuous Process Improvement. Students will learn about PDCA/DMAIC models, fundamental quality tools, FMEA, minimizing variation through Statistical Process Control, process capability studies, reliability, VOC, layered audits, and performance metrics. *Not open to students with credit for ENGR 345. Prerequisite: sophomore standing. 3 hrs. lect.*

**346 Facilities Design.** (3) This course covers manufacturing facilities design and material handling. The course will focus on facilities design, equipment, production flow analysis, cost justification, and material handling systems. Students will be involved in case studies, economic models, and problem solving of manufacturing systems. *Prerequisite: sophomore standing. 3 hrs. lect.*

**356 (Cross-listed with CSTM 356) Introduction to Power Systems.** (3) A study of electrical, hydraulic, and pneumatic power systems. Emphasis upon structural and behavioral characteristics of components used in the generation, transmission, and control of power systems used in contemporary industry. *Not open to students with credit in CSTM 356. Prerequisite or Corequisite: PHYS 114 or 115 or 150 or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**363 Geometric Dimensioning, Tolerancing, and Metrology.** (3) An introduction to the development and practices of dimensional control of industrial drafting as specified by the

ANSI standard and the study and application of precision measurement in manufacturing. *Prerequisite: ET 105 and 261 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

**367 Computer Numerical Controlled Machining.** (3) Introductory and advanced applications of numerically controlled machines.

Laboratory experiments will include both off line and machine programming of CNC mills and lathes. *Prerequisite: ET 261 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

**403 Design and Prototype Development.** (3)

Engineering and technology research, design, and development strategies are emphasized to develop the creativity, critical thinking, and innovation skills necessary to generate new products, identify product ideas, and design, develop, test, analyze, and successfully fabricate a prototype. *Prerequisites: ET 207 and 241; or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**446 Material Science.** (3) The study of metallurgy, plastics, and ceramics with emphasis on properties, structure, testing, and heat treatment for the design, manufacture, and failure analysis of materials. Stress, strain, and deformation tests will be included. *2 hrs. lect.; 2 hrs. lab.*

**448 Industrial Safety.** (3) A study of the Federal OSHA Act as it applies to both industry and construction. Beyond federal regulations, the course includes accident prevention plans, safety education, and documentation preparation. *3 hrs. lect.*

**455 Engineering Technology Seminar.** (1-3, repeatable to 3 for different topics) Each offering provides students with an opportunity for intensive study in specialty topics reflective of the variety in Engineering Technology. *Graded S/U only. Prerequisite: junior standing or permission of instructor.*

**468 Computer Aided Manufacturing (CAM) Machining.** (3) The study and application of

graphics and language based CAM systems for 2½D machining and 3D surfacing on numerically controlled machines, including cellular production team projects. *Prerequisites: ET 207 and 367. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**477 Programmable Control and Data Acquisition.** (3) A study of programmable logic and data acquisition control systems used to monitor and update facilities, machines, and equipment. Topics include signal conditioning; A-D conversions; RLL, drum and stage processes. *Prerequisite: ET 241. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**481 Robotics Systems.** (3) A comprehensive study of the mechanics, electronic, and computer technologies required to design and implement robotic systems. *Prerequisites: PHYS 114 or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**482 (Cross-listed with ENGR 482) Parametric Modeling.** (3) The application of computer

aided design techniques utilizing industrial software within a minicomputer and workstation environment. *Not open to students with credit for ENGR 482. Prerequisite: ET 207. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

**492 Independent Study. (1-3, repeatable to 6)** Selection, exploration, and solution of a problem in an area of Manufacturing Engineering. *Prerequisites: senior college standing, 26 s.h. or ET coursework, and approval of department chairperson. GPA requirement of 2.50 in major.*

**493 Internship. (3-12 in 3-hour blocks, repeatable to 12)** Off-campus work experience in manufacturing. Written weekly reports required. *Writing Instruction in the Disciplines (WID) course. Recommend completion before entering last term on campus. A maximum of 9 s.h. may be applied toward major requirements.* *Prerequisites: junior/senior standing; prerequisites as related to the student's technology option selected; ENG 280. A minimum GPA of 2.00, a minimum GPA of 2.00 from courses completed within the major, and approval of program coordinator. Graded S/U only.*

## INSTRUCTIONAL DESIGN AND TECHNOLOGY (IDT)

**433 Instructional Three-Dimensional Modeling and Animation. (3)** Instructional uses of three-dimensional modeling and animation are explored including basic modeling tools, virtual camera controls, materials, video production, and

lighting. *Prerequisite: junior standing or permission of instructor.*

**460 Instructional Virtual Reality Design.**

**(3)** Focuses on the integration of virtual reality technologies for instruction and training. Provides opportunities to develop instructional/training virtual environments utilizing virtual reality authoring systems. *Prerequisite: junior standing or permission of instructor.*

**489 Independent Study. (1-4, repeatable to**

**6)** Independent study for advanced students who desire to research a topic in Instructional Design and Technology. *Prerequisite: 15 s.h. in IDT coursework.*

## OPERATIONS MANAGEMENT (OM)

**352 (Cross-listed with MGT 352) Operations Management.**

**(3)** Foundations for Operations Management as practiced in contemporary organizations. Focus is on the efficient and effective value-adding transformation of inputs into goods and services in both internal and external value chains. Extensive use of mathematics and statistics is involved. *Not open to students with credit in MGT 352.*

# **English**

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**Chairperson:** Dr. Marjorie C. Allison

**Office:** Simpkins Hall 124

**Telephone:** (309) 298-1103

**Fax:** (309) 298-2974

**Website:** [wiu.edu/English](http://wiu.edu/English)

## **Program Offerings and Locations**

- Bachelor of Arts in English: Macomb, Quad Cities (Literature and Language and Professional Writing options)
- Minor in Creative Writing: Macomb
- Minor in English: Macomb, Quad Cities
- Minor in Film: Macomb
- Minor in Professional Writing: Macomb, Quad Cities, Online
- Minor in Queer Studies: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Allison, Banash, Barclay, Beardsley, Buchanan, Cole, Di Carmine, Hamner, Kozhukhova, Johnson, Knox, Lawhorn, Malachuk, A. Mossman, M. Mossman, Ness, Rocca, Sinex, Vaughn, White, Wurth, Young.

## **GradTrac**

GradTrac is available to English majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Department Information**

The Department of English offers the sequence of courses in composition required of all students; literature, drama, and film courses which fulfill the Humanities and Multicultural Studies requirements of the University General Education Curriculum; a major and minor in English, Professional Writing, and Creative Writing; a comprehensive major in English Teacher Education; minors in Creative Writing, Film, and Professional Writing; and electives in advanced writing and creative writing. It also participates in interdisciplinary programs in Liberal Arts and Sciences, Environmental Studies, Queer Studies, African American Studies, and Women's Studies.

Although the department's offerings are diverse, critical writing, reading, and thinking—developed by active engagement with and participation in the related discourses of literature, film, creative, and expository writing—are the constant emphases. The department prepares its graduates to perform successfully in graduate

and professional schools and in the many fields in which clear thinking and effective self-expression are valued.

## Degree Program

### Bachelor of Arts—English

All students seeking the Bachelor of Arts in English must complete I, II, and III.A or III.B or III.C or III.D below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85) .....	60 s.h.
	Except Teacher Education students must complete the University General Education Curriculum Requirements, including a General Education Mathematics course—43 s.h. (p. 69)	
II.	Core Courses.....	12 s.h.
	ENG 281, 285, 299, 476†	
III.	Options of Study (select A, B, C, or D)	
A.	Literature and Language	
1.	Special Courses	
a.	ENG 328, 338, 368, and 376.....	12 s.h.
b.	One course in Forms, chosen from among the following: ENG 200, 201, 202, 300, 302, 303, 304, 305, 306.....	3 s.h.
c.	One course in World Literature, chosen from among the following: ENG 350, 352, 357, 358, 492.....	3 s.h.
2.	Departmental Electives (6 s.h. must be upper-division).....	12 s.h.
3.	Any Minor .....	16 s.h.
4.	Open Electives.....	2 s.h.
B.	English—Teacher Education	
1.	Special Courses	
a.	Choose two of the following: ENG/BC&J 290; ENG 303, 381, 388, 480 .....	6 s.h.
b.	ENG 328 and 338.....	6 s.h.
c.	One upper-division course in Social Justice, chosen from among the following: ENG 307, 346, 348, 350, 357, 358, 359, 392; or ENG 400, 401, 409 when appropriate .....	3 s.h.
d.	ENG 384†, 466, 471.....	9 s.h.
e.	ENG 433.....	3 s.h.
f.	One upper-division course in Grammar and Language, chosen from among the following: ENG 370, 372, 483 .....	3 s.h.
g.	One upper-division course in World Literature, chosen from among the following: ENG 350, 352, 357, 358, 492 .....	3 s.h.
2.	Other	
a.	Professional Education Sequence .....	15 s.h.
	ENG 366; EDS 202, 301, 303 (2 s.h.), 304 (1 s.h.), 305, 401	
b.	SPED 390.....	3 s.h.

# **English**

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c.	EDUC 239, 339, 439.....	3 s.h.
d.	STCH 480.....	12 s.h.
3.	English Language Arts Emphasis (choose a, b, c, or d)	
a.	Creative Writing .....	6 s.h.
	Two upper-division Creative Writing courses	
b.	Literature.....	6 s.h.
	Two upper-division Literature courses	
c.	Professional Writing.....	6 s.h.
	ENG 381 and one upper-division Professional Writing course	
d.	Film .....	6 s.h.
	ENG/BC&J 290 and one upper-division Film course	
C.	Creative Writing	
	<i>Not open to students enrolled in the Creative Writing minor.</i>	
1.	Special Courses	
a.	ENG 376, 385, 386, and 387.....	12 s.h.
b.	Two additional courses in Creative Writing, chosen from among the following: ENG 485, 486, 487.....	6 s.h.
c.	One course in Forms, corresponding with one of the courses selected from C.1.b above, chosen from among the following: ENG 304, 305, 306.....	3 s.h.
2.	Departmental Electives.....	6 s.h.
3.	Any Minor .....	16 s.h.
4.	Open Electives.....	5 s.h.
D.	Professional Writing	
	<i>Not open to students enrolled in the Professional Writing minor.</i>	
1.	Special Courses	
a.	ENG 376, 380†, 381†, 481, 483, and 495 (3 s.h.) .....	18 s.h.
b.	One additional course in Professional Writing, chosen from among the following: ENG 370, 388, 480, 484, 489, 495.....	3 s.h.
2.	Departmental Electives.....	6 s.h.
3.	Any Minor .....	16 s.h.
4.	Open Electives.....	5 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) an English (ENG) global issues course; or 4) an approved Study Abroad program.

† ENG 476 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Literature and Language option and the Creative Writing option. ENG 384 and 476 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Teacher Education option. ENG 380, 381, and 476 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Professional Writing option.

## **Minors**

**Minor in Creative Writing..... 17-18 s.h.**

*Not open to students enrolled in the Creative Writing option of the B.A. in English.*

1. ENG 285..... 3 s.h.
2. Choose one of the following three sequences:..... 6 s.h.
  - a. ENG 385 and 485
  - b. ENG 386 and 486
  - c. ENG 387 and 487

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- 3. Choose one intermediate course in second genre: ..... 2–3 s.h.  
ENG 385, 386, 387; THEA 409, 419
  - 4. Choose two literature courses from the following: ..... 6 s.h.  
ENG 200, 201, 202, 300, 358, any 300-400 level course in English Literature

## **Minor in English ..... 18 s.h.**

- 1. ENG 299..... 3 s.h.
- 2. English Electives..... 15 s.h.  
At least three electives must be taken at the 300-400 level

## **Minor in Film ..... 18 s.h.**

- 1. ENG/BC&J 290, 390, 496 ..... 9 s.h.
- 2. 9 s.h. of elective courses chosen from the following: ..... 9 s.h.  
BC&J 333; BC&J/ENG 394; BC&J/ENG/WS 494; ENG 389, 392, 393, 395; ENG/REL 492; F L 392; THEA 473

## **Minor in Professional Writing ..... 18 s.h.**

*Not open to students enrolled in the Professional Writing option of the B.A. in English.*

- 1. Core: ENG 380 and 481 ..... 6 s.h.
- 2. Three elective courses chosen from: ENG 281, 381, 387, 388, 480, 483, 484, 487, 489, 495 (maximum of 3 s.h. of ENG 495) ..... 9 s.h.
- 3. Writing Instruction in the Disciplines (WID) course from any major ..... 3 s.h.

**Note:** No more than one course which fulfills a requirement for a major may be counted in the minor.

## **Minor in Queer Studies ..... 16 s.h.**

See Interdisciplinary Minors (p. 259).

## **Proficiency Examinations**

Freshmen who have been in accelerated programs in high school or transfer students from other institutions of higher education may request permission to take a proficiency examination for English 180 or 280. The examinations will be given by the second week of each semester. A student will receive 3 s.h. of credit upon passing the examination. Direct inquiries to Writing Director, 124 Simpkins Hall.

## **Dual Program**

A dual program in Arts and Sciences and Law is available for English majors. Please see the Dual Programs section of this catalog (p. 345) for a detailed description of the program.

## **Course Descriptions**

### **ENGLISH (ENG)**

**100 Introduction to Writing. (3) (General Education/Communication Skills)** Introduction to writing as a social act with emphasis on developing flexible reading and writing processes for a range of genres. Offers guidance and practice for those who need additional preparation for college level writing. *Cannot be applied toward the English major or any minor offered by the Department of English. Designated sections taught in computer labs. Not open to students who have completed ENG 180 or 280 with a grade of C or above. Graded A, A-, B+, B, B-, C+, C, U, F.*

**180 College Writing I. (3) (General Education/Communication Skills)** Study and practice of writing as a social act with emphasis on rhetoric and genre. *Cannot be applied toward the English major or any minor offered by the Department of English. All sections taught in computer labs. Graded A, A-, B+, B, B-, C+, C, U, F.*  
*IAI: C1 900.*

**195 Introduction to Literature. (3) (General Education/Humanities)** An introduction to outstanding works of prose, poetry, and drama which emphasizes the development of the reader's interpretive skills. The course is designed to promote an appreciation of excellence in

# English

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literature. *For non-English majors.*

*IAI: H3 900.*

**200 Introduction to Poetry. (3) (General Education/Humanities)** Reading and discussion of poetry from around the world and spanning more than a century, introducing students to questions of social justice and methods of interpretation.

*IAI: H3 903.*

**201 Introduction to Fiction. (3) (General Education/Humanities)** Reading and discussion of prose fiction from around the world and spanning more than a century, introducing students to questions of social justice and methods of interpretation.

*IAI: H3 901.*

**202 Introduction to Drama. (3) (General Education/Humanities)** Reading and discussion of plays from around the world and spanning more than a century, introducing students to questions of social justice and methods of interpretation.

*IAI: H3 902.*

**205 Introduction to Shakespeare. (3) (General Education/Humanities)** Reading and discussion of selected plays, with emphasis on modern methods of interpretation. *For non-English majors.*

*IAI: H3 905.*

**206 Issues in U.S. Literature. (3) (General Education/Humanities)** Reading and discussion of important works of American literature from several historical periods, with emphasis on their relation to American society and culture.

**280 College Writing II. (3) (General Education/Communication Skills)** Continued, advanced study and practice of writing as a social act with emphasis on disciplinary and professional contexts, rhetorical genre, and discourse community. *Cannot be applied toward the English major or any minor offered by the Department of English. Designated sections taught in computer labs. Prerequisite: ENG 180. Graded A, A+, B, B-, C+, C, C-, F.*

*IAI: C1 901R.*

**281 Digital Writing and Multimedia Texts. (3) (General Education/Humanities)** This course explores writing as social action and engages students in writing persuasively for public settings. Students will analyze and produce collaborative print and digital texts.

**285 Introduction to Creative Writing. (3) (General Education/Humanities)** An introductory course for students who wish to explore various forms of poetry and short-fiction writing. *ENG 285 or consent of instructor is prerequisite for ENG 385, 386, 485.*

**290 (Cross-listed with BC&J 290) Introduction to Film. (3) (General Education/Humanities)** Screening and discussion of films from around the world, introducing students to selected traditions, questions of social justice, and methods of interpretation (with laboratory). *Not open to students with credit in BC&J 290.*

*IAI: F2 908.*

**299 Critical Methods of Reading and Writing. (3)** Introduction to basic forms and conventions of critical writing, strategies of interpretation, and theoretical issues in literary studies. *Prerequisites: ENG 180.*

**300 Short Story. (3) (General Education/Humanities)** The analysis of short stories in light of the elements of fiction (plot, character, conflict, points of view, symbolism, theme, and authorial and narrative strategies). May include consideration of forms ranging from flash fiction to the novella.

**301 (Cross-listed with WS 301) Women and Literature. (3) (General Education/Multicultural Studies)** The study of literature as an art practiced by women, with an examination of portrayals of women in literature. *Not open to students with credit in WS 301.*

*IAI: H3 911D.*

**302 Popular Forms of Literature. (3)** Studies in selected popular forms of literature. Topics may include forms such as detective fiction, science fiction, westerns, horror, romance, adventure, or thrillers. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**303 Forms of New Media Literature. (3)** Studies in forms of new media literature, including forms such as digital literature, graphic novels, video games, and/or other literary forms which experiment with medium. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**304 Poetic Forms. (3)** Study of a major form of poetic expression. May include a single genre (e.g. epic or lyric), or individual forms (e.g. sonnet or ode). The course will also address both the technical vocabularies and major concepts of poetics. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**305 Non-Fiction Forms. (3)** Study of one or more of the forms of non-fiction writing such as autobiography, diary, essay, epistolary, or non-fiction movements such as the New Journalism or creative non-fiction. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**306 Forms of the Novel. (3)** An intensive study of one or more of the forms of the novel. Topics may include the epistolary, picaresque, gothic, or other forms. The course will also address narratology and major critical approaches to the novel. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**307 (Cross-listed with WS 307) Issues for Women Writing. (3, repeatable to 6 for different topics)** Reading, discussion, and writing focused on a particular social, cultural, or personal issue related to how and what women write. *Not open to students with credit in WS 307.* *Prerequisite: ENG 299 or WS 190, or consent of instructor.*

**311 Studies in Medieval British Literature. (3)** Studies of selected British literary works from the beginnings to about 1500, with the Old English and more difficult Middle English texts read in translation. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**314 Shakespeare. (3)** A study of the major comedies, histories, and tragedies of Shakespeare and his contemporaries in the historical, cultural, intellectual, and theatrical contexts in which they were written. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**319 Studies in Nineteenth-Century British Literature. (3)** Investigates those qualities,

issues, and forms which distinguish nineteenth-century British writers from their predecessors and which inform the literature of their successors. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**324 Studies in Twentieth-Century British Literature.** (3) Investigates selected poetry, drama, fiction, and nonfiction in the context of changing social and political horizons characteristic of modern Britain. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**328 (Formerly ENG 228) Survey of British Literature.** (3) Study of major historical periods of British literature by means of representative literary types, texts, and authors, and predominant genres. *Prerequisite/Corequisite: ENG 299.*

**331 Studies in Nineteenth-Century American Literature.** (3) Investigates the development of a distinctive American literature against the background of the cultural changes in an expanding nation. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**333 (Cross-listed with BC&J 333) The Hollywood Studio System: Structure & Process.** (3) Analysis of the American film industry, with an emphasis on the structure of the studio system. Comparison of the historical period with the current corporate structure of the industry. *Does not count for the Broadcasting and Journalism minor. Not open to students with credit in BC&J 333.* *Prerequisite: ENG/BC&J 290.*

**337 Contemporary American Literature.** (3) Study of contemporary American fiction, poetry, non-fiction, drama, and film, emphasizing recent formal and thematic trends. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**338 (Formerly ENG 238) Survey of American Literature.** (3) Study of major historical periods of American literature by means of representative literary types, texts, and authors, and predominant genres. *Prerequisite/Corequisite: ENG 299.*

**340 American Nature Writing.** (3) Study of selected literary works, primarily non-fiction, from the seventeenth century to the present, that explore the human engagement with the American landscape and its forms of life. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**345 (Formerly ENG/AAS 245) (Cross-listed with AAS 345) Survey of African American Literature.** (3) **(General Education/Multicultural Studies)** A literary and cultural introduction to the study of African American writers, organized chronologically, but with special emphasis on the twentieth century. *Not open to students with credit for AAS 345.* *Prerequisite: ENG 280.*

**346 (Cross-listed with AAS 346) African American Fiction.** (3) A survey of selected African American short stories and novels from the beginning to the present, from Brown, Johnson, and Toomer to Ellison, Baldwin, Morrison, and beyond. *Not open to students with credit in AAS 346.* *Prerequisite: AAS/ENG 345, or ENG 299 with a grade of C or better, or consent of instructor.*

**347 The Novel in Context.** (3) Study of the novel in light of a particular context such as literary movements, social conditions, an award (Booker, Pulitzer, etc.), or political issues. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**348 Ethnic Literatures of the United States.** (3) **(General Education/Multicultural Studies)** Study of literary texts, authors, and genres from various ethnic groups in the U.S. Examinations of culturally specific and cross-cultural questions including issues of race, class, and gender. *Prerequisite: ENG 280 or consent of instructor.*

**350 Postcolonial Literature.** (3) **(Global Issues)** A study of texts that address the experiences of empire by writers from countries with a history of colonialism or works by writers who have migrated from formerly colonized countries. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**352 (Formerly ENG 258) Survey of World Literature.** (3) Study of representative literary types, texts, and authors, and predominant genres from a range of cultures, both Western and non-Western. *Prerequisite/Corequisite: ENG 299.*

**353 Great Books.** (3) Study of selected literary masterpieces, from the ancient Greeks through the present: European epics, drama, lyric poetry, and prose in English translation. *IAI: H3 906.*

**354 (Cross-listed with AAS 354) African Americans in American Film.** (3) Analysis of the representation of African Americans in American films as a way to consider how imagery affects society's attitudes about race. Films from early 20th century depictions of mammys to the 1990s hip-hop sagas will be examined. *Not open to students with credit in AAS 354.* *Prerequisite: AAS 100 or consent of instructor.*

**355 Myths, Legends, and Literature.** (3) A literary study of myths and legends, with special emphasis on European myths and legends and their relationship to literature.

**356 Forms of Biblical Literature.** (3) A study of the literary variety of the Testaments, including Biblical history, lyric poetry, biography, and letters, among other forms.

**357 Nation and Literature.** (3) **(Global Issues)** The study of literature by writers of a particular nation (or related nations) with special attention to that nation's identity, history, cultural traditions, and international relations. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**358 Studies in Non-Western Literature.** (3) **(General Education/Multicultural Studies)** **(Global Issues)** Study of selected literary works (in English translation) from developing countries, with attention to their distinctive forms and viewpoints. *IAI: H3 908N.*

**359 LGBT Topics in Literature.** (3) Examines sexual diversity and representations of sexuality in American, British, and/or World Literature and culture, with specific attention to lesbian, gay, bisexual, and transgender topics. Introduce students to queer studies and queer theoretical understanding of literature. *Prerequisite: ENG 180.*

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**363 Cannabis in Popular Culture.** (3) This course examines representations of cannabis in popular literature, film, and television text. It focuses on changing representations of cannabis in popular culture. *Prerequisite: ENG 180.*

**366 Reading Instruction in Middle and High Schools.** (2) This course addresses instructional reading strategies for secondary school content area classrooms. It focuses on reading and literacy instruction, design and selection of content-specific reading materials, creating course content to meet learner needs, and formal and informal reading assessment. *Prerequisites: EDS 202 and EDS 301.*

**368 Studies in Literary Theory.** (3) Studies in selected works of literary theory. This course may focus on specific themes or topics such as structuralism, hermeneutics, deconstruction, queer theory, or disability studies. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**370 Rhetorical Grammar.** (3) Use a rhetorical framework to study grammatical and discourse structures and apply them to students' own writing. *Prerequisites: ENG 180 and 280, or permission of instructor.*

**372 The English Language in Historical and Social Contexts.** (3) Origins and varieties of the English language and its acquisition. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**376 Professional Development Workshop.** (3) Students prepare application materials for internships, jobs, or further schooling, a portfolio of writing, and an essay that articulates personal and professional goals. Students will also take part in workshops for career and/or educational opportunities for English majors. *Prerequisite: junior standing.*

**380 Introduction to Professional Writing.** (3) Focus on the roles disciplinary structures play in reading and writing. Topics will include rhetorical genre theory, writing research, audience analysis, and the craft of writing. *Writing Instruction in the Disciplines (WID) course. BGS online writing course.* *Prerequisites: ENG 180 and 280, or permission of instructor.*

**381 Technical Communication.** (3) Developing informative, reader-centered technical communication. Writing, testing, and revising common genres and styles. *Writing Instruction in the Disciplines (WID) course. BGS online writing course.* *Prerequisites: ENG 180 and 280, or permission of instructor.*

**384 Teaching Writing in Middle and High Schools.** (3) An advanced writing course designed primarily for English education majors and minors; a study of the rhetorical process, practice in writing essays, and consideration of teaching composition. *Writing Instruction in the Disciplines (WID) course.* *Prerequisite: ENG 280.*

**385 Writing Workshop: Poetry.** (3) Further work in the writing of poetry. *Prerequisite: ENG 285 or consent of instructor.*

**386 Writing Workshop: Fiction.** (3) Further work in the writing of fiction. *Prerequisite: ENG 285 or consent of instructor.*

**387 Writing Workshop: Nonfiction.** (3) Work in the writing of literary nonfiction. *Prerequisites: ENG 180 and 280, or consent of instructor.*

**388 Writing for the Web.** (3) Theory and practice in writing for the demands of the web: brief, modular, visually oriented, and accessible. *Prerequisite: ENG 180 and 280, or consent of instructor.*

**389 Film Theory and Criticism.** (3) Study of various critical approaches to film and an exploration of the theories informing these approaches (with laboratory). *Prerequisite: ENG/BC&J 290 or consent of instructor.*

**390 (Cross-listed with BC&J 390) Film History.** (3) This course is an historical survey that covers the international history of cinema from its origins to the present. It considers issues including the development of national film industries, national and international film movements, and the social history of film (with laboratory). *Not open to students with credit in BC&J 390.* *Prerequisite: ENG/BC&J 290 or consent of instructor.*

**392 National Cinemas.** (3) **(Global Issues)** An intensive study of selected national cinemas, concentrating on how different nations have developed film industries and how these films have affected national identities. *Prerequisite: ENG/BC&J 290 or consent of instructor.*

**393 American Film Genres.** (3) Study of American film genres including Westerns, gangster and detective films, musicals, horror and science fiction films, melodramas, and comedies (with laboratory). *Prerequisite: ENG/BC&J 290, ENG 299 with a grade of C or better, or consent of instructor.*

**394 (Cross-listed with BC&J 394) Documentary Film and Video.** (3) History of documentary film and video with focus on the documentary as a medium of communication, information, and interpretation (with laboratory). *Not open to students with credit in BC&J 394.*

**395 Film and Literature.** (3) Selected literary works and their film adaptations will serve as the basis for the comparative analysis of the different aesthetics of literature and film (with laboratory). *Prerequisite: ENG/BC&J 290 with a grade of C or better, ENG 299 with a grade of C or better, or permission of instructor.*

**400 Topics in Literature.** (1-3, repeatable for different topics) A study of a special theme or topic in literature. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**401 Major Authors.** (1-3, repeatable for different authors) A thorough study of the work of a major author or two closely related authors. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

**408 Senior Honors Thesis.** (1-4, repeatable to 4) An independent study project resulting in a substantial original paper. Students will work closely with a single instructor who will evaluate the project. *Prerequisites: registration for departmental honors in English, approval of the thesis advisor and the departmental honors coordinator, and senior status in the University.*

**409 Independent Study.** (1-3, repeatable to 6) Independent reading or research projects for

the senior English major. *Prerequisite: consent of instructor.*

**433 Literature for Young Adults. (3)** Survey of literature for secondary students grades 7–12. Emphasis on critical analysis, evaluation, and use of books in various genres.

**466 Teaching Literature and Reading in Middle and High Schools. (3)** Constructs teaching units for 6–12 grade students that integrate age-appropriate literary genres; and examines reading strategies derived from literary theory. *Prerequisites: ENG 280 and 384; 12 s.h. (or equivalent) of coursework in literature, or consent of instructor.*

**471 Language Diversity and Grammar for Middle and High School Teachers. (3)** Examines the relationships among standard and nonstandard dialects and effective practices for teaching grammar. *Prerequisites: ENG 280 and 372, or consent of instructor.*

**476 Senior Seminar. (3, repeatable to 6 for different topics)** Intensive exploration of a major issue, era, author, or text, culminating in the writing of a substantial scholarly essay. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280, ENG 299 with a grade of C or better, senior standing, or consent of department chairperson.*

**480 Writing and Social Networks. (3)** Writing unique to the collaborative, social environment of the contemporary web: groups, conversations, distributed work. In-depth work with electronic writing tools. *Prerequisites: ENG 380, or permission of instructor.*

**481 Topics in Writing Studies. (3)** Semester-long study of a topic in the theory, practice, or history of writing studies. *Prerequisites: ENG 380 or permission of instructor.*

**483 Editing and Reviewing. (3)** Theory and practice of editing and reviewing documents. Focus on helping peers or colleagues improve their writing. *Prerequisites: ENG 380, or permission of instructor.*

**484 Writing Center Studies. (3)** Theory and practice of writing center studies. Issues relevant to consulting, research, and administration. *Prerequisites: ENG 380 or permission of instructor.*

**485 Advanced Poetry Workshop. (3)** An advanced course in writing poetry for students already accomplished in the genre. *Prerequisites: ENG 285 and 385.*

**486 Advanced Fiction Workshop. (3)** An advanced course in writing fiction for students already experienced in the genre. *Prerequisites: ENG 285 and 386.*

**487 Advanced Nonfiction Workshop. (3)** An advanced course in writing nonfiction for students already experienced in the genre. *Prerequisites: ENG 285 and 387.*

**489 Grant and Proposal Writing. (3)** Best practices for finding, researching, planning, and writing proposals and grant applications. *Prerequisites: ENG 380 or permission of instructor.*

**492 (Cross-listed with REL 492) Religion, Literature, and Film. (3) (Global Issues)** Study of multicultural literary and cinematic texts engaging a wide range of religious traditions. *Not open to students with credit for REL 492.*

*Prerequisite: ENG 299 with a grade of C or better, or one 100- or 200-level Religious Studies or Philosophy course, or consent of instructor.*

**494 (Cross-listed with BC&J 494 and WS 494) Women and Film/Television. (3)** An overview of women in film and television that considers the on-screen images of women as well as the positions of women working behind the scenes (with laboratory). *Not open to students with credit for BC&J 494 or WS 494. Prerequisites: ENG 180 and 280.*

**495 Internship. (1–12, repeatable to 12)** Actual work assignments and on-the-job experiences in businesses and public agencies which value the skills of intellect, imagination, research, reading, and writing of the English major. *Prerequisite: permission of department chairperson. Graded S/U only.*

**496 (Cross-listed with BC&J 496) Topics in Film. (3)** Study of major subjects and themes in film. Topics vary but may include intensive study of directors such as Alfred Hitchcock and Federico Fellini, or artistic movements such as Italian Neorealism, French New-Wave, Contemporary Spanish Cinema, or Russian Formalism. *Not open to students with credit in BC&J 496. Prerequisites: ENG/BC&J 290, ENG/BC&J 390, and 6 s.h. in approved film minor electives, or permission of instructor.*

## (English Education)

**239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum)** Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established departmental criteria for admittance to TEP. *Graded S/U.*

**339 Pre-Student Teaching Clearance. (0)** Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for departmental clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U.*

**439 Methods for Middle and High School English Language Arts. (3)** Preparation for student teaching, including analysis of techniques and materials useful to the English teacher in the secondary school. Observation and demonstration teaching. *Open to English majors and minors. Prerequisites: ENG 384, 466, and 499; EDS 301.*

**443 (Cross-listed with LLA 443) Creative Uses of Literature for Children and Young Adults. (3)** Presents the development of effective programs in informal and formalized interpretive experiences for children and young adults, emphasizing individual creativity and sources for materials. *Not open to students with credit for LLA 443. Laboratory. Prerequisite: LLA 313.*

**480 See STCH 480.**

**499 Teaching New Media in Secondary Schools. (3)** This course is designed to prepare students for teaching in middle and secondary schools by focusing on contemporary issues and controversies in education. Additionally, students will examine research methodologies and read a range of professional publications. *Prerequisites: ENG 384 and 466.*

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## QUEER STUDIES (QS)

### 100 Introduction to Queer Studies. (3) (General Education/Multicultural Studies)

Introduction to Queer Studies introduces the study of sexual diversity, with specific attention to lesbian, gay, bisexual, and transgender topics in a variety of media. It provides terminology and analytic tools and explores important topics and controversies in sexuality studies.

**400 Capstone in Queer Studies. (4)** This course focuses on writing and research in the area of queer studies. Students will complete an in-depth project (research, video, internet-based resource, artistic work) that creatively and critically addresses issues relevant to queer studies.

*Prerequisites: QS 100 and two electives in the Minor in Queer Studies.*

**Chairperson:** Dr. Luciano C. Picanço  
**Office:** Morgan Hall 332  
**Telephone:** (309) 298-1558  
**Email:** Languages@wiu.edu  
**Website:** [wiu.edu/languages](http://wiu.edu/languages)

## Program Offerings and Locations

- Bachelor of Arts in Foreign Languages and Cultures: Macomb
- Minor in French: Macomb
- Minor in Spanish: Macomb, Quad Cities

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Asare, Brown, Cabal-Jiménez, Cabedo-Timmons, Obregón, Picanço.

## GradTrac

GradTrac is available to Foreign Languages and Cultures majors. See page 79 for information about GradTrac.

## Honors Curriculum

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Integrated Baccalaureate and Master's Degree Program

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Foreign Languages and Cultures: Master of Liberal Arts and Sciences. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## Department Information

The Department of Foreign Languages and Literatures offers the Bachelor of Arts degree in Foreign Languages and Cultures, with options in French, Spanish, French Teacher Education, and Spanish Teacher Education. Minor programs are available in French and Spanish. The formal study of one of the languages consists of courses in the language as well as courses in the literatures and cultures of the countries where these languages are spoken.

The study of language, culture, and literature prepares the student for advanced and graduate study in literature and/or language, and for the use of language in business and industry, government at the federal, state, or local level, law enforcement, libraries and museums, parks and recreation, social services and health-related

# **Foreign Languages and Literatures**

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fields, transportation and tourism, and numerous other areas having a multicultural clientele.

Students completing the Teacher Education options develop pedagogical skills and proficiency in the language which lead to licensure to teach the language in Illinois at the K-12 level.

The Department of Foreign Languages and Literatures encourages students to double major in Foreign Languages and Cultures and another field in which linguistic and cultural expertise can be utilized to reach professional or academic goals. To make it possible to complete a double major in FLC and another discipline in four years, the department has developed joint curriculum sequences with some departments. For more information, please contact the Foreign Languages and Literatures advisor or the department office.

## **Degree Program**

### **Bachelor of Arts—Foreign Languages and Cultures**

All students seeking the Bachelor of Arts in Foreign Languages and Cultures must complete I, II, III, IV, V, and VI below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. All students seeking the Bachelor of Arts in Foreign Languages and Cultures must complete a minimum of 12 s.h. of upper-level (300- or 400-level) coursework in the major language at WIU.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85) .....	60 s.h.
	Except Teacher Education students must complete the University General Education Curriculum Requirements—43 s.h. (p. 69), including a General Education Mathematics course	
II.	Core Course..... F L 101*	3 s.h.
III.	Options of Study® (Select A, B, C, or D) .....	30-33 s.h.
A.	Spanish^	
1.	Option Courses	
a.	F L 350*, 490†.....	6 s.h.
b.	SPAN 325, 326†, 327.....	9 s.h.
c.	Select any course in a secondary foreign language at the intermediate level (223 or 224) .....	3 s.h.
2.	Directed Electives	
a.	Two 300-level SPAN courses.....	6 s.h.
b.	Two 400-level SPAN courses.....	6 s.h.
c.	Any additional 300/400-level SPAN course .....	3 s.h.
B.	French^	
1.	Option Courses	
a.	F L 350*, 490†.....	6 s.h.
b.	FR 325, 326†, 327.....	9 s.h.

## Foreign Languages and Literatures

c.	Select any course in a secondary foreign language at the intermediate level (223 or 224) .....	3 s.h.
2.	Directed Electives	
a.	Two 300-level FR courses.....	6 s.h.
b.	Two 400-level FR courses.....	6 s.h.
c.	Any additional 300/400-level FR course.....	3 s.h.
C.	Spanish Teacher Education	
1.	Option Courses	
a.	SPAN 223*, 224*, 325, 326†, 327 .....	15 s.h.
b.	Select any course in a secondary foreign language at the intermediate level (223 or 224) .....	3 s.h.
2.	Directed Electives.....	12 s.h.
	Four 300/400-level SPAN courses	
D.	French Teacher Education	
1.	Option Courses	
a.	FR 223*, 224*, 325, 326†, 327 .....	15 s.h.
b.	Select any course in a secondary foreign language at the intermediate level (223 or 224) .....	3 s.h.
2.	Directed Electives.....	12 s.h.
	Four 300/400-level FR courses	
IV.	Any Approved Minor.....	16 s.h.
V.	Open Electives .....	0-10 s.h.
VI.	Other.....	0-33 s.h.
	Options A, B: N/A	
	Options C, D:	
A.	EDUC 439 .....	3 s.h.
B.	EDS 202, 301, 303 (2), 304 (1), 305, 401.....	13 s.h.
C.	SPED 390.....	3 s.h.
D.	RDG 387.....	2 s.h.
E.	STCH 480 .....	12 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing a designated foreign language requirement (see Foreign Language/Global Issues Requirement, p. 63).	
*	May count toward the University General Education Requirement.	
⑧	For all options, courses numbered 279 and 379 may only be used as Open Electives.	
^	For options A and B, a maximum of 9 s.h. of Directed Electives may be taken during an approved Study Abroad program.	
†	F L 490 and FR/SPAN 326 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the French and Spanish options. FR/SPAN 326 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the French Teacher Education and Spanish Teacher Education options.	

## Minors

Minor in French .....	16 s.h.	
1.	FR 122, 223, 224.....	10 s.h.
2.	Upper-division (300/400 level) FR coursework, with at least one course (3 s.h.) taken at WIU.....	6 s.h.

**Note:** Students majoring in Foreign Languages and Cultures with French as their secondary language and who are minoring in French may count only one FR course (up to 4 s.h.) in the minor.

**Note:** Courses numbered 279, 361, or 379 may not be used in the French minor.

# Foreign Languages and Literatures

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## Minor in Spanish ..... 16 s.h.

1. SPAN 122, 223, 224 ..... 10 s.h.
2. Upper-division (300/400 level) SPAN coursework, with at least one course (3 s.h.) taken at WIU ..... 6 s.h.

**Note:** Students majoring in Foreign Languages and Cultures with Spanish as their secondary language and who are minoring in Spanish may count only one SPAN course (up to 4 s.h.) in the minor.

**Note:** Courses numbered 279, 361, or 379 may not be used in the Spanish minor.

## Advanced Placement

Advanced placement into the foreign language program may be achieved by one of the following: 1) completion of four years of high school foreign language study (in the same language); 2) scoring above the beginning level on the departmental placement examination; 3) completion of the College Entrance Board Advanced Placement Examination (CEEB); 4) completion of the College Level Examination Program (CLEP). College credit may be obtained by passing CEEB or CLEP. Students beginning college language study at the 300- or 400-level may qualify, upon application, for advanced placement credit (equivalent to 122, 223, 224) by completing two 300- or 400-level courses (in the same language) with grades of C or better. Students who begin at the 224-level may qualify, upon application, for advanced intermediate placement credit (equivalent to 122 and 223) by completing 224 and one 300-level class (in the same language) with a grade of C or better. Students who begin at the 223-level may qualify, upon application, for intermediate placement credit (equivalent to 122) by completing 223 with a grade of C or better. Please note that a grade of C does not fulfill this requirement. Credit cannot be earned for courses numbered 121, 122, 223, or 224 which are more elementary than coursework already completed, unless the credit is earned through Advanced Placement. Students earning the Illinois State Seal of Biliteracy will receive credit for courses numbered 121, 122, 223, and 224 in the specified language.

## Course Descriptions

### EDUCATION (EDUC)

**439 Foreign Language Methods. (3)** An exploration of current foreign language teaching methodologies and techniques through assigned readings, discussion, and practical application such as microteaching. *Prerequisite: EDS 301 or consent of instructor.*

### FOREIGN LANGUAGE (FL)

**101 Introductory Seminar in World Languages and Cultures. (3) (General Education/Humanities) (Global Issues)** Introduces the content and methods of foreign language scholarship. Centers on a particular topic or theme within the context of (a) non-English-speaking culture(s). Methods may include linguistics, cultural studies, film studies, literary studies, interdisciplinary approaches, and/or pedagogy.

**121 Less Commonly Taught Languages I. (3, repeatable with no maximum for different topics)** Designed to introduce and develop the four basic language skills (speaking, listening, reading, and writing) in the target language and to create and increase competence about the target language culture or cultures.

**122 Less Commonly Taught Languages II. (3, repeatable with no maximum for different topics)** Designed to further develop the four basic language skills (speaking, listening, reading, and writing) in the target language and to further increase competence about the target language culture or cultures. *Prerequisite: FL 121 or by permission of department chairperson.*

**350 Introduction to Contemporary Critical Theory. (3) (General Education/Multicultural Studies)** This course, to be taught in English, will introduce students to critical theories that shape literary, artistic, and cultural studies as they apply to foreign languages. *Prerequisites: ENG 180, 280; junior standing or consent of instructor.*

**392 French Cinema. (3)** Historical survey of the French film industry, with particular attention to the works of major filmmakers. English subtitles. *Prerequisite: for French majors or minors, FR 224; for others, permission of the instructor.*

**480 (Cross-listed with WS 480) Sexuality in German and Austrian Culture. (3)** Examines the representation of sexuality in film, literature, and non-fiction of German-speaking countries in the twentieth and twenty-first centuries. *Not open to students with credit for WS 480. Prerequisite: QS 100 or junior standing.*

**490 Senior Capstone. (3)** Course designed to integrate linguistic, critical, cultural, and analytical skills with the knowledge acquired during course work towards the major. Students

# Foreign Languages and Literatures

demonstrate their achievement of the program learning outcomes through a major writing project, an oral presentation, and a portfolio.

*Writing Instruction in the Disciplines (WID) course. Prerequisites: senior standing or permission of the department chairperson.*

**499 Selected Topics in Foreign Languages and Literatures.** (3) Seminar in topics related to foreign languages, literatures, and cultures. Taught in English. *Prerequisites: junior standing or consent of the instructor.*

## FRENCH (FR)

### (Language Skills Courses)

**121 Elementary French I. (4) (General Education/Humanities)** Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school French without permission of the department chairperson.*

**122 Elementary French II. (4) (General Education/Humanities)** Continuation of Elementary French I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. *Prerequisite: FR 121 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.*

**223 Intermediate French I. (3) (General Education/Humanities)** Continued development of the four basic language skills with increased emphasis on reading and culture. Class conducted in French. *Prerequisite: FR 122 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.*

**224 Intermediate French II. (3) (General Education/Humanities)** Continuation of Intermediate French I. *Prerequisite: FR 223 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.*

*IAI: H1 900.*

**325 French Conversation.** (3) Intensive practice in oral expression and conversation. *Prerequisite: FR 224 or equivalent.*

**326 French Composition.** (3) Intensive practice in written expression and composition. *Writing Instruction in the Disciplines (WID) course. Prerequisites: FR 224 or equivalent; ENG 280.*

### (Literature and Civilization Courses)

**327 Introduction to French Literature.** (3) An introduction to critical reading and appreciation of French literature, surveying representative texts from major periods and genres. Conducted in French. *Prerequisite: FR 224 or equivalent. IAI: H3 916.*

**328 Masterpieces of French Literature.** (3) A study of selected masterworks representing major periods and genres of French literature. Conducted in French. *Prerequisite: FR 224 or equivalent. IAI: H3 917.*

**361 Field Study Travel. (1-3, repeatable to 9 in one language)** Field study project. The student submits a written report and fulfills other requirements set up by the instructor.

*Prerequisite: 6 s.h. of intermediate college French or equivalent.*

**404 French Civilization and Culture I.** (3) An overview of cultural, social, political, and religious history of France from the Middle Ages to the French Revolution, with special readings and reports on individuals, events, and socio-cultural phenomena of the times. Conducted in French.

**438 20th Century French Literature.** (3) Selected works of Gide, Proust, Sartre, Camus, St. Exupéry, Anouilh, Colette, Sarraute, Duras, de Beauvoir, and others. *Prerequisite: FR 327 or equivalent.*

**492 Individual Studies in French.** (1-5, repeatable to 5) *Prerequisites: advanced standing and consent of department chairperson.*

**499 Selected Topics in French Language and Literature.** (3, repeatable with no maximum for different topics) *Prerequisite: FR 327 and consent of the instructor.*

## GERMAN (GER)

### (Language Skills Courses)

**121 Elementary German I. (4) (General Education/Humanities)** Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school German without permission of the department chairperson.*

**122 Elementary German II. (4) (General Education/Humanities)** Continuation of Elementary German I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. *Prerequisite: GER 121 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.*

**223 Intermediate German I. (3) (General Education/Humanities)** Continued development of the four basic language skills with increased emphasis on reading and culture. Class conducted in German. *Prerequisite: GER 122 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.*

**224 Intermediate German II. (3) (General Education/Humanities)** Continuation of Intermediate German I. *Prerequisite: GER 223 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures. IAI: H1 900.*

**325 German Conversation.** (3) Intensive practice in oral expression and conversation. *Prerequisite: GER 224 or equivalent.*

**326 German Composition.** (3) Intensive practice in written expression and composition. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280, and GER 224 or equivalent.*

### (Literature and Civilization Courses)

**327 Introduction to German Literature.** (3) An introduction to critical reading and appreciation of German literature, surveying representative texts from major periods and genres. Conducted

# Foreign Languages and Literatures

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in German. Prerequisite: GER 224 or equivalent.  
IAI: H3 916.

**337 (Cross-listed with HIST 337) The Holocaust. (3) (General Education/Multicultural Studies) (Global Issues)**

Examines the pre-history, history, and post-history of the Holocaust and its representations from a German Studies perspective and within the broader context of European culture. *Not open to students with credit for HIST 337.* Prerequisite: HIST 116 or GER 224 or consent of instructor.

**361 Field Study Travel. (1-3, repeatable to 9 in one language)**

Field study project. The student submits a written report and fulfills other requirements set up by the instructor. Prerequisite: 6 s.h. of intermediate college German or equivalent.

**406 German Civilization and Culture. (3)**

A survey of the civilization of the German-speaking people with particular emphasis on modern developments. Conducted in German. Prerequisite: GER 224 or equivalent.

**492 Individual Studies in German. (1-5, repeatable to 5)**

Prerequisites: advanced standing and consent of department chairperson.

**499 Selected Topics in German Language and Literature. (3, repeatable with no maximum for different topics)**

Prerequisite: GER 327 and consent of the instructor.

## PORtUGUESE (PORT)

### (Language Skills Courses)

**121 Elementary Portuguese I. (4) (General Education/Humanities)**

Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school Portuguese without permission of the department chairperson.*

**122 Elementary Portuguese II. (4) (General Education/Humanities)**

Continuation of Elementary Portuguese I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. Prerequisite: PORT 121 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.

## SPANISH (SPAN)

### (Language Skills Courses)

**121 Elementary Spanish I. (4) (General Education/Humanities)**

Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school Spanish without permission of the department chairperson.*

**122 Elementary Spanish II. (4) (General Education/Humanities)**

Continuation of Elementary Spanish I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. Prerequisite: SPAN 121 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.

**223 Intermediate Spanish I. (3) (General Education/Humanities)**

Continued development of the four basic language skills with increased emphasis on reading and culture. Class conducted in Spanish. Prerequisite: SPAN 122 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.

**224 Intermediate Spanish II. (3) (General Education/Humanities)**

Continuation of Intermediate Spanish I. Prerequisite: SPAN 223 or appropriate score on placement examination administered by the Department of Foreign Languages and Literatures.  
IAI: H1 900.

**302 Spanish for Business. (3)**

An introduction to business practices in Spain and Latin America, with emphasis on business vocabulary, written and oral communication, and the role of culture and cultural differences in business transactions. Prerequisite: SPAN 224 or equivalent, or permission of instructor.

**320 Spanish for Heritage Speakers. (3) (General Education/Multicultural Studies)**

Designed for heritage speakers of Latino/Hispanic heritage, to raise awareness of their bilingual/bicultural background as well as their social and linguistic identity of speakers of U.S. Spanish, through intensive practice in writing, reading, and linguistic skills. Prerequisites: SPAN 224 or consent of the instructor.

**325 Spanish Conversation. (3)**

Intensive practice in oral expression and conversation. Prerequisite: SPAN 224 or equivalent.

**326 Spanish Composition. (3)**

Intensive practice in written expression and composition. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: SPAN 224 or equivalent; ENG 280.

**340 Spanish for Law Enforcement. (3)**

Attention is focused on oral proficiency in the contexts likely to be useful to law enforcement personnel. Vocabulary specific to the profession is taught, as well as practical cultural information. Prerequisite: SPAN 224 or permission of instructor.

**344 Spanish for Social Work. (3)**

Intensive Spanish practice through simulations involving real-life situations in intercultural settings. Provides vocabulary, idiomatic expressions, and cultural information for the specific needs of professional social workers. Prerequisite: SPAN 224 or equivalent, or permission of instructor.

**392 Spanish and Latin American Cinema. (3)**

Historical survey of the film industry in Spain and Latin America, with particular attention to the works of major filmmakers and genres. Prerequisite: SPAN 224 or equivalent, or permission of instructor.

**401 Introduction to Spanish Linguistics. (3)**

Introduction to the main concepts and methods of linguistic analysis, focusing on the Spanish sound system, social dynamics, and dialectal variation. Prerequisite: SPAN 326 or equivalent.

**402 Introduction to Spanish Morphology and Syntax. (3)**

Introduction to the systematic study of the morphological and syntactical elements of Spanish with practice in application. Prerequisite: SPAN 326 or equivalent.

**449 Spanish for Content-Based Instruction. (3)**

The study of Spanish vocabulary and phrases

# Foreign Languages and Literatures

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for the teaching of different subjects of the school curriculum including mathematics, science, social studies, and grammar. *Prerequisite: SPAN 224 or permission of instructor.*

**457 Contemporary Spanish American Prose.** (3) Selected prose works of major contemporary Spanish American writers. *Prerequisite: SPAN 327 or equivalent.*

## (Literature and Civilization Courses)

**327 Introduction to Hispanic Literature.** (3) An introduction to critical reading and appreciation of Hispanic literature, surveying representative texts from major periods and genres. Conducted in Spanish. *Prerequisite: SPAN 224 or equivalent.*

*IAI: H3 916.*

**328 Masterpieces of Spanish Literature.** (3) A study of selected masterworks representing major periods and genres of Spanish literature. Conducted in Spanish. *Prerequisite: SPAN 224 or equivalent.*

*IAI: H3 917.*

**361 Field Study Travel. (1-3, repeatable to 9 in one language)** Field study project. The student submits a written report and fulfills other requirements set up by the instructor. *Prerequisite: 6 s.h. of intermediate college Spanish or equivalent.*

**408 Spanish Civilization and Culture.** (3) A survey of Peninsular civilization from the prehistoric past to the post-Franco present,

emphasizing cultural achievements of universal significance. Conducted in Spanish.

**409 Spanish American Civilization.** (3) The study of fundamental historical and cultural facts concerning Spanish America; the role of contrasting value systems of Spanish America and the United States in intercultural communication. Conducted in Spanish.

**452 Spanish Literature of the 19th Century.**

(3) Study of major works with emphasis on Romanticism and Realism. *Prerequisite: SPAN 327 or equivalent.*

**453 The Generation of 1898.** (3)

Representative works of the major figures of early twentieth-century Spanish literature. *Prerequisite: SPAN 327 or equivalent.*

**454 Spanish Literature of the 20th Century.**

(3) Study of major works of prose, poetry, and drama from the Generation of 1898 to the present. *Prerequisite: SPAN 327 or equivalent.*

**456 Masterpieces of Spanish American Literature.** (3) Selected works of prose, poetry, and drama from the Colonial period to the present. *Prerequisite: SPAN 327 or equivalent.*

**492 Individual Studies in Spanish.** (1-5, repeatable to 5) *Prerequisites: advanced standing and consent of department chairperson.*

**499 Selected Topics in Spanish Language and Literature.** (3, repeatable with no maximum for different topics) *Prerequisite: SPAN 327 and consent of the instructor.*

# **General Studies Degree**

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**Director:** Dr. Jeffrey W. Hancks

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**Website:** [wiu.edu/bgs](http://wiu.edu/bgs)

## **Program Offerings and Locations**

- Bachelor of Arts in General Studies: Macomb, Quad Cities, Online

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Honors Curriculum**

Academically qualified students in this program are welcome to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

Three integrated baccalaureate and master's degree programs are available for the Bachelor of Arts in General Studies: Master of Science in Education in Educational Studies (Language, Culture, and Education option), Master of Science in Instructional Design and Technology, and Master of Arts in Public Safety Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Program Information**

Western Illinois University offers a unique online Bachelor of Arts degree program designed to provide non-traditional students an opportunity to earn an undergraduate degree in a manner compatible with their educational needs and lifestyles: The Bachelor of Arts in General Studies degree. This highly individualized and flexible program recognizes that adults may have attended a variety of educational institutions and accepts transfer of passing coursework taken at other regionally accredited colleges and universities. Students may apply for academic credit through the preparation of a prior learning portfolio, which documents specific college-level knowledge gained through nonacademic pursuits that can be related to WIU courses. Students may also receive academic credit through the use of various proficiency examinations and testing programs. Students can apply WIU coursework offered online or at the two campus locations toward the completion of their degree and the 30 semester hour residency requirement.

## **Admission Requirements**

1. Applicants who have attended other colleges or universities must:
  - a. have a C average for all work attempted;
  - b. be in good standing at last college or university attended; and

- c. have successfully completed 24 semester hours of coursework at a regionally accredited institution; or have had a scheduled high school graduation date at least five years ago.
- 2. Applicants who do not meet the admission requirements identified in 1 above may be considered for admission if they have been separated from higher education institutions for five or more years.

Any former WIU student admitted to the degree program under option 2 above will continue under the last transcribed academic standing status (e.g., academic probation, academic warning). Applicants who do not meet the criteria identified in 1 or 2 above may appeal to the Bachelor of Arts in General Studies Advisory Committee for admission. *Note: Students who have been academically suspended or dismissed from WIU must be readmitted to the University before seeking admission to the Bachelor of Arts in General Studies degree program.*

Admission into the Bachelor of Arts in General Studies degree program does not guarantee admission into any other degree program at WIU.

### **Transfer Credit**

All academic credit earned before admission to the Bachelor of Arts in General Studies degree program, regardless of when the credit was earned, may be transferred into the program provided that:

1. The college or university was regionally accredited at the time the credit was earned.
2. A grade of A, B, C, D, P, or S was earned.
3. The credit could be applied at that institution to an associate or bachelor degree program.
4. The course was not a repeated course.
5. The course was not remedial or developmental.
6. A "C" was earned for the equivalent of freshman composition.

### **Prior Learning Portfolio Credit**

A maximum of 30 credit hours for portfolio assessment may be accepted toward credit for graduation. University faculty evaluate and recommend credit for the prior learning. Upon approval of the department chair and college dean, the academic credit awarded as a result of a portfolio evaluation will be entered on the WIU transcript.

### **Degree/Graduation Requirements**

All students seeking the Bachelor of Arts in General Studies must successfully complete the requirements listed below.

- 1. General Education:** Satisfy the University General Education Curriculum—43 s.h. (p. 69) or the IAI Transferable General Education Core Curriculum Requirements listed below—37–38 s.h.

Courses approved as equivalent to those in the IAI Transferable General Education Core Curriculum may be used ([ittransfer.org](http://ittransfer.org)). Courses available in the WIU Arts and Sciences University General Education and Curriculum Requirements may also be used (p. 85).

<u>IAI General Education Core Curriculum</u> .....	37–38 s.h.
A. Communication .....	9 s.h.
3 courses, including a 2-course sequence in writing (6 s.h.) and 1 course (3 s.h.) in oral communication	

## **General Studies Degree**

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- B. Mathematics.....3 s.h.  
1 course
- C. Physical and Life Sciences .....7–8 s.h.  
2 courses, with 1 course selected from the life sciences and  
1 course from the physical sciences and including at least 1  
laboratory course
- D. Humanities and Fine Arts.....9 s.h.  
3 courses, with at least 1 course selected from humanities and  
at least 1 course from the fine arts.
- E. Social and Behavioral Sciences.....9 s.h.  
3 courses, with courses selected from at least 2 disciplines

*No more than 2 courses from any 1 discipline can be used to fulfill General Education Core Curriculum Requirements.*

*Students must earn a passing letter grade in each course used to fulfill requirements.  
A grade of C or better will be required for satisfactory completion of the  
Communication writing requirements.*

- 2. **Grade Point Average (GPA):** Earn a minimum overall GPA of 2.00 (C). See page 49 for information about computing GPA.
  - 3. **Semester Hours:** Earn a minimum of 120 semester hours. Of the 120 semester hour minimum:
    - A. At least 40 must be earned from a senior (4-year) institution
    - B. At least 40 must be earned in upper division (junior/senior) level courses from a senior (4-year) institution.
    - C. At least 30 must be earned from WIU (at least 16 must be upper division).
  - 4. **MATH Competency:** Demonstrate ability to use baccalaureate-level skills in mathematics. (See University General Education Requirements, p. 69.)
  - 5. **Writing Requirement:** Successfully complete a Writing Instruction in the Disciplines (WID) course OR a Bachelor of Arts in General Studies (BGS) online writing course\*.
  - 6. **Foreign Language/Global Issues:** Fulfill the foreign language/global issues requirement for the degree program.#
  - 7. **Graduation Application:** File an application for graduation in the General Studies Degree Program by the following deadlines: Fall semester—July 15; Spring semester—November 15; Summer session—April 15.
  - 8. **Financial Obligations:** Clear all financial obligations to the University before proof of degree will be provided.
- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- \* BGS online writing courses: BC&J 350, 351, 352; CS 320; ECON 351; ENG 380, 381; FS 484, 485; HIST 316; PHIL 300, 330; SOC 300, 360; UNIV 490; WS 355, 360.

## **Dual Program**

A dual program in General Studies and Chiropractic is available for students in the General Studies program. Please see the Dual Programs section of this catalog (p. 346) for a detailed description of the program.

**Interim Chairperson:** Dr. Katrina M. Daytner  
**Office:** Stipes Hall 402  
**Telephone:** (309) 298-1076 and (309) 298-1071  
**Fax:** (309) 298-2076  
**Email (HS):** HealthSciences@wiu.edu  
**Email (SW):** Social-Work@wiu.edu  
**Website:** [wiu.edu/hssw](http://wiu.edu/hssw)

## **Program Offerings and Locations**

- Bachelor of Science in Health Services Management: Macomb
- Bachelor of Science in Public Health: Macomb, Quad Cities
- Bachelor of Social Work: Macomb
- Minor in Occupational Safety: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Allwardt, Bezold, Oden, Perone, Peterman, Smith Okon, Wen, Zellmann.

## **Advisors**

Dorsett (Health Sciences), Konitzer (Social Work), Moreno (Public Health–QC)

## **GradTrac**

GradTrac is available to Health Services Management, Public Health, and Social Work majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Health Services Management: Master of Business Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

The Department of Health Sciences and Social Work strives to create the highest quality teaching, research, and service programs to advance the mission of the College of Education and Human Services and Western Illinois University. The department endeavors to prepare students to be effective professionals in the U.S.

## **Health Sciences and Social Work**

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and internationally by integrating the divergent disciplines of public health education and promotion, health services management, and social work, and to contribute to the University's Human Well-Being curriculum. This mission is accomplished through engaged teaching and learning, applied research, and committed service.

The **Health Services Management** degree program prepares students for the following career opportunities:

***Long Term Care Administration:*** This discipline includes a wide spectrum of health care delivery involving the complete continuum of chronic care management and administration—nursing home, rehabilitation, senior care, palliative care, specialized long-term chronic care, and mental health.

***Private Sector:*** The private sector includes many different areas of primary care delivery management and administration. Careers in this emphasis will focus on primary health care delivery in settings such as hospitals, outpatient clinics, physician practices, managed care organizations, health insurance companies, and pharmaceutical sales companies.

***Public Sector:*** This sector includes all areas of public health management and administration. Career opportunities for public health managers and administrators include employment in public health departments at the local, county, state, and federal levels; health agencies focused on at-risk populations such as senior care and Medicaid populations, and voluntary and community health agencies.

The degree program in **Public Health** allows students to pursue one of the following:

***Community Health Education:*** Community health educators are professionally prepared in the disciplines of community and public health education. They demonstrate competence in planning, implementation, and evaluation of health promoting and health enhancing programs for individuals, groups, and communities.

***Environmental and Occupational Safety:*** Environmental and occupational safety specialists analyze various environments and design programs to control, eliminate, and prevent disease or injury caused by chemical, physical, radiological, and biological agents or ergonomic factors that impact workers' safety. Other preparation includes the development of health and safety policies and procedures to evaluate and coordinate programs that impact the environment, such as storage and handling of hazardous waste or monitoring the cleanup of contaminated air, water, or food.

***Public Health Preparedness:*** Public health preparedness educates students about the major principles of both emergency management and public health. Students will acquire fundamental knowledge in mitigating, preparing for, responding to, and long-term recovery from disasters and emergencies with specific applications focused on public health, health care, educational, and state and local governmental settings.

The Bachelor of **Social Work** (B.S.W.) degree program is accredited by the Council on Social Work Education. The B.S.W. prepares students as generalist social workers for entry-level professional employment in social service agencies, providing services to individuals, families, groups, organizations, neighborhoods, and communities. Generalist social workers serve children, adolescents, adults, and elderly persons with a variety of needs. The Social Work curriculum provides students with the opportunity to obtain the knowledge, values, and skills needed for beginning professional practice and for continuation of their studies at the graduate level. This curriculum is built upon and integrates the liberal arts through the basic University General Education requirements.

## **Pre-Social Work**

Initially, all students entering the Social Work degree program are classified as Pre-Social Work majors. Enrollment in the Pre-Social Work program does not guarantee acceptance as a candidate for the Bachelor of Social Work degree.

To be accepted as a Social Work major and a candidate for the Bachelor of Social Work degree, students must satisfy the following requirements:

1. Complete SW 100 or transfer equivalent with a final grade of C or better. Complete, be registered in, or have a plan of study in place for BIOL 100, ENG 180, PSY 100, and SOC 100.
2. Have a minimum GPA of 2.00 overall.
3. Complete the Social Work Program application materials and have a personal interview with a member of the Social Work faculty. See the application materials for further information.
4. Be accepted, on the basis of the application process, by the Social Work faculty. If the application is denied, the student has the right to appeal to the chairperson. The department will consider the appeal as a committee of the whole.

Questions about the admissions process should be directed to the Social Work advisor.

## **Social Work Degree Candidacy**

Candidates for the Bachelor of Social Work degree must satisfy the following requirements for graduation:

1. Meet the requirements stated above.
2. Meet the University and program General Education course requirements for graduation.
3. Obtain a grade of C or better in every graded SW course.
4. Achieve a minimum 2.50 grade point average for all SW courses prior to enrolling in the practicum course, SW 480.
5. Earn a minimum 2.50 SW grade point average at the conclusion of SW 480.
6. Demonstrate professional knowledge, values, and skills after formal admission to the program and throughout the practicum. Failure to do so may result in dismissal from the program.

Students must maintain good standing in the major after admission. Students must complete 100 volunteer or work hours in the social services field, as described in the application materials. Students will not be able to successfully complete SW 440 without completion of the 100 hours prior to SW 440. Students must successfully complete an evaluation of professional practice behaviors in SW 315 and SW 440 to continue enrollment in the Social Work degree program.

## **Degree Programs**

### **Bachelor of Science—Health Services Management**

All students seeking the Bachelor of Science in Health Services Management must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C (2.0) or better is required in all Core Courses, Directed Electives, and their required prerequisites to complete the Health Services Management major. Students must have an overall GPA of 2.00 and major GPA of 2.50 to enroll in HS 490, a required course for the major. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in Health Services Management.

# **Health Sciences and Social Work**

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I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	51–53 s.h.
	EOS 310, 311; HE 120*; HS 211, 250, 410, 414, 479, 490 (9 s.h.); HSM 212, 314, 315†; MICR 200*; either ZOOL 330 and 331 or KIN 290 and 291	
III.	Directed Electives.....	9 s.h.
	Choose 9 s.h. from one of the following emphases: <sup>#</sup>	
A.	Long Term Care: ECON 490; FIN 470; MGT 350, 425, 445; SOC 405	
B.	Private Sector: B L 431, 432; ECON 490; FIN 449; MGT 445, 448; MGT/OM 352	
C.	Public Sector: ECON 490; EOS 417; HS 313, 412; HS/NUTR 408, 411; MGT 445	
IV.	Other Required Courses .....	24–30 s.h.
A.	ACCT 201 and 202, or 307 .....	3–6 s.h.
B.	ECON 231* and 232*, or 408.....	3–6 s.h.
C.	FIN 311 or 331.....	3 s.h.
D.	HRM 353.....	3 s.h.
E.	IS 340.....	3 s.h.
F.	MGT 349; MKTG 327 .....	6 s.h.
G.	STAT 171* .....	3 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) an approved Study Abroad program.

\* May count toward completion of the University General Education requirement.

† HSM 315 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

‡ Directed Electives may require fulfillment of one or more prerequisites.

## **Bachelor of Science—Public Health**

All students seeking the Bachelor of Science in Public Health must complete I, II, III, IV, V, and VI below, and the foreign language/global issues requirement for the major#.

The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

A maximum of 6 s.h. of workshop coursework (EOS 450/HS 450/HE 450) can count toward the degree. A grade of C (2.0) or better is required in all Core Courses, Directed Electives, and their required prerequisites to complete the Public Health major.

Students must have an overall GPA of 2.00 and major GPA of 2.50 to enroll in HS 490, a required course for the major. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major within the Department of Health Sciences and Social Work. These majors include Public Health and Health Services Management.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	32 s.h.
	EOS 310; HS 211, 370†, 410, 412, 479, 490 (9 s.h.); HS/NUTR 411; MICR 200*	
III.	Emphases of Study (select A, B, or C).....	15 s.h.
A.	Community Health Education .....	15 s.h.
	HS 313, 400, 414; HS/NUTR 407, 408	
B.	Environmental and Occupational Safety.....	15 s.h.
	EM 425, 478; EOS 270, 311, 377	
C.	Public Health Preparedness.....	15 s.h.
	Select 15 s.h. from the following: EM 304, 305, 323, 324, 425, 460	
IV.	Other Requirements .....	8 s.h.
	HE 120*, 325*; STAT 171*	

## **Health Sciences and Social Work**

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V.	Approved Minor .....	16 s.h.
VI.	Open Electives .....	6 s.h.
# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) an approved Study Abroad program.		
† HS 370 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.		
* May count toward the University General Education requirement.		

### **Bachelor of Social Work**

All students seeking the Bachelor of Social Work must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C or better is required in all graded Social Work (SW) courses. Social Work students must complete a one-semester practicum in a social service agency to gain experience in Social Work practice. The practicum is a closely supervised learning experience that helps prepare students for beginning level practice.

I.	University General Education Curriculum (p. 69) .....	43 s.h. (To include: BIOL 100, COMM 241, 6 s.h. of Math/Science courses, a Foreign Language course or an additional Multicultural course, lower division Philosophy course, POLS 122, PSY 100, and SOC 100)
II.	Core Courses.....	48 s.h. SW 100, 212, 213, 312, 313, 315, 316†, 325, 380, 415, 425, 440, 480
III.	Directed Electives Select 6 s.h. from the following: SW 330, 331, 332, 335, 336, 338, 340, 341, 342, 345, 496 .....	6 s.h.
IV.	Minor or Open Electives.....	17 s.h.
V.	Other... A. Additional General Education Social Sciences course..... B. Additional General Education Humanities course.....	6 s.h. 3 s.h. 3 s.h.
# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.		
† SW 316 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.		

### **Minor**

<b>Minor in Occupational Safety.....</b>	<b>20 s.h.</b>
(Law Enforcement and Justice Administration majors—see your advisor)	
1. Required Courses: EM 276; EOS 270, 310, 311, 377 .....	15 s.h.
2. Electives (see advisor) .....	5 s.h.

# Health Sciences and Social Work

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## Course Descriptions

### ENVIRONMENTAL AND OCCUPATIONAL SAFETY (EOS)

#### 270 Principles of Accident Prevention. (3)

An analysis of the tools, methods, content, and common problems associated with the establishing and administering of safety programs for homes, school, and industry.

**310 Environmental Sciences. (3)** The principles and practices of public health sanitation. Includes discussion of water and air pollution, food and milk sanitation, housing, vector and rodent control, solid wastes, other general sanitation problems, and principles involved in water and waste water treatment plant operation. Also considered are local, state, and federal regulations relevant to the sanitary control of the environment. *Prerequisite: HS 211 or junior standing or permission of instructor.*

#### 311 Environmental and Occupational Health Problems. (3)

Overview of the recognition, evaluation, prevention, and control of chemical, physical, and environmental factors that impact human health in the workplace and community. Identification and evaluation of interventions for environmental and occupational health problems will be addressed. *Prerequisite: MICR 200 or junior standing or permission of instructor. Field study costs may be approximately \$10.00.*

**377 Occupational Safety. (3)** A study of the fundamentals of industrial hygiene, hazardous and municipal solid waste regulations, accident causation theories, and workplace violence. *Prerequisite: EOS 270.*

#### 417 Field Experiences in Public Health Sanitation. (3)

An analysis of selected sanitation laws, regulations, and ordinances. In-the-field experience will enable the student to observe the application of the codes in an enforcement setting and to gain expertise in the practical aspects of public health sanitation. *Prerequisites: EOS 310 and senior standing.*

#### 450 Environmental Health Workshop. (1, repeatable to 2 for different topics)

Examination of environmental concerns that may impact directly or indirectly on humans and their surroundings. Educational strategies and abatement measures are included. *Prerequisite: senior standing or permission of instructor.*

#### 499 Independent Study in Environmental and Occupational Safety. (1-4, repeatable to 4)

Independent research study of an approved topic. *Prerequisite: senior department major or minor, or permission of instructor.*

## HEALTH EDUCATION (HE)

**120 Personal Health Promotion. (2) (General Education/Human Well-Being)** Designed to enhance students' physical, intellectual, emotional, social, and spiritual health which will enable them to pursue their college and life goals more effectively.

**121 Human Sexuality. (2) (General Education/Human Well-Being)** The anatomical, physiological, psychological, and sociological characteristics unique to men and women, and

what they bring to each other in their personal relationships.

**123 Drug Use and Abuse. (2) (General Education/Human Well-Being)** A comprehensive and in-depth study of the use and abuse of drugs in our society.

**251 First Aid. (2)** Theory and practice of first aid and CPR for the ill and injured. Instruction will be provided in accordance with the American Red Cross or National Safety Council First Aid standards.

**321 (Cross-listed with WS 321) Women's Health. (3)** Provides information about how women can improve their chances of achieving and maintaining high level wellness. Among the topics included are: prevention, early detection, and treatment of health problems commonly occurring among women, contraception, pregnancy and childbirth, using the medical care system, and mental health. Open to male and female students. *Not open to students with credit in WS 321. Prerequisite: junior standing.*

**325 Multicultural Health Issues. (3) (General Education/Multicultural Studies)** A survey of health issues that specifically affect African Americans, American Indians, Hispanics, Asian Americans, and others. Health related lifestyles, behaviors, and prevention interventions will be emphasized. *Prerequisite: HE 120, 121, 123, or permission of instructor.*

**432 The Coordinated School Health Program. (3)** A description and analysis of the eight components of a K-12 coordinated school health program and the relationship of these components to the reduction of youth risk behaviors. *Prerequisite: HS 313 or permission of instructor.*

**433 School Health Curriculum. (3)** Investigates the nature of school health curriculum development which addresses objectives, resources, content, evaluation, sequencing, scheduling, and implementation. *Prerequisite: HE 432 or permission of instructor.*

**440 Sexuality Education in the Home, School, and Community. (3)** The principles of sex education of the pre-school and school-age child. Emphasis is placed on preparing the student in content, resources, procedures, and philosophy of home, school, and community sexuality education. *Prerequisites: HE 121 (or its equivalent) and HS 313, or permission of instructor.*

**441 Mental Health. (3)** Personality development, mental dynamisms, the mature individual, and the mentally ill. Special emphasis is given to teacher-student relationships. *Prerequisite: senior standing or permission of instructor.*

**442 Drug Education in the Home, School, and Community. (3)** Concepts of drug education with emphasis placed on preparing the student in content, resources, procedures, and philosophy of home, school, and community drug education. *Prerequisites: HE 123 (or its equivalent) and HS 313, or permission of instructor.*

**450 Health Promotion Workshop. (1, repeatable to 2 for different topics)** Designed to provide new and updated information relative to current health issues confronting the health

promotion professional. *Prerequisite: senior standing or permission of instructor.*

**499 Independent Study in Health Education. (1–4, repeatable to 4)** Independent research study of an approved topic. *Prerequisite: senior department major or minor, or permission of instructor.*

## HEALTH SCIENCES (HS)

**211 Principles of Health Sciences. (3)** An introduction which emphasizes history, sociology, careers, and resources in community health and the interaction between school and community health programs. Also includes an overview of major community health programs. *Prerequisite: HE 120 (or its equivalent) or permission of instructor.*

**250 Introduction to Medical Terminology. (2)** Designed to provide a working knowledge and understanding of health and medical terms. Students in health education, health services management, EMT, pre-professional healthcare programs, and all other health-related fields will particularly benefit. Learning, interpretation, and understanding is enhanced via discussion of word roots, prefixes, and suffixes.

**313 Application of Theories and Concepts in Health Education. (3)** Provides a basic understanding of the application of theories and concepts related to health and health education. Concepts of health, behavior, learning, and group process, as well as community organization and networking included. *Prerequisite: HS 211 or permission of instructor.*

**370 Research Methods in Health Sciences. (3)** The process of evaluating, planning, and organizing research studies for solving problems unique to health sciences. Introduction to the application of the scientific method and statistics in health sciences research. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280, STAT 171, and junior standing.*

**400 Grant Writing. (3)** Focuses on skills and techniques necessary to research and write grant proposals for nonprofit organizations, businesses, and government agencies. *Prerequisite: HS 370 or permission of instructor.*

**407 (Formerly HS 444) (Cross-listed with NUTR 407) Methods and Techniques for Health-Related Communication and Education. (3)** Theories and methods for changing lifestyle behaviors. Development of professional health communication and education skills. *Not open to students with credit for NUTR 407. Prerequisite or Corequisite: junior standing or permission of instructor.*

**408 (Formerly HS 413) (Cross-listed with NUTR 408) Community Nutrition and Health Program Development. (3)** Development and evaluation of nutrition and health programs for the community. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit for NUTR 408. Prerequisites: ENG 180 and 280. Activities outside of class may be required.*

**410 Human Diseases. (3)** An overview of human diseases commonly affecting humans. Emphasis on organic, systemic, disseminated, and multisystem diseases. Genetic, behavioral,

and environmental approaches will be applied. *Prerequisites: MICR 200 or permission of instructor.*

**411 (Cross-listed with NUTR 411) Principles of Epidemiology and Health Informatics. (3)** Methods of epidemiologic investigation and research. Locating professional literature, evaluating research, and evidence-based practice. *Not open to students with credit for NUTR 411. Prerequisite: STAT 171. Prerequisite or Corequisite: HS 410 or permission of instructor.*

**412 Public Health Administration. (3)** Overview of administrative responsibilities and organizational patterns of local, state, and national public health agencies including core functions and essential public health services. Includes focus on emergency preparedness and response, performance measurement and improvement, and communication. *Prerequisites: 12 s.h. of professional health sciences courses or permission of instructor.*

**414 Ethical Conduct and Conflict in Health Sciences. (3)** Students will interpret ethical codes of conduct as set forth by professional organizations; conflict arising from existing and evolving codes of conduct will be examined using case studies as an arena for discussion. *Prerequisites: 12 s.h. of professional health sciences courses and junior standing, or permission of instructor.*

**425 (Cross-listed with EM 425) Public Health Emergency Preparedness. (3)** This course introduces students to how public health agencies prepare for and respond to public health emergencies. Topics include biosurveillance, crisis and emergency risk communication, and the Strategic National Stockpile. *Not open to students with credit in EM 425. Prerequisites: Junior standing; EM 304 or HS 211; or permission of instructor.*

**450 Health Sciences Careers Workshop. (1, repeatable to 2 for different topics)** Current trends and issues affecting community health professions including professional preparation, job availability, and continuing education for professional growth. Designed for students and professionals in community health promotion, environmental health, and health services management. *Prerequisite: senior standing or permission of instructor.*

**450 Health Sciences Workshop. (1, repeatable to 2 for different topics)** Examination and analysis of significant current concerns and controversies in community health. Content varies according to contemporary issues. *Prerequisite: senior standing or permission of instructor.*

**479 Health Sciences Pre-Internship. (1)** Developing professional application materials required for internship, investigating potential internships, and emphasizing interviewing and job search skills. To be taken the semester preceding the internship. *Prerequisites: HSM 314 or HS 370, senior standing, and major in Health Services Management or Public Health.*

**490 Professional Internship. (9–12)** Provides field work experience and knowledge in appropriate community health services programs, under supervision of preceptor qualified by education and experience. *Prerequisites: HS 479. All coursework must be completed with exception*

# Health Sciences and Social Work

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of 6 s.h. in the minor or General Education. Must have overall GPA 2.00 and major GPA 2.50. Graded S/U only.

**499 Independent Study in Health Sciences.** (1–4, repeatable to 4) Independent research study of an approved topic. Prerequisite: senior department major or minor, permission of instructor.

## HEALTH SERVICES MANAGEMENT (HSM)

### 212 Introduction to U.S. Health Policy. (3)

Equips future health services management professionals with a working knowledge of the U.S. health care delivery system. Health policy is analyzed, utilized, and applied in the U.S. health care industry. Prerequisite or Corequisite: HS 211.

**314 Health Care Management.** (3) Explores management theory and practice as it relates to middle management positions such as department heads and supervisors in hospitals, ambulatory surgical centers, long term care facilities, and other health care organizations. Prerequisite: HSM 212 or permission of instructor.

### 315 Long Term Care Management. (3)

Application of management knowledge in resident care, personal, finance, environment, regulations, and organization specific to long term care facilities. Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280 and HSM 314.

### 470 Legal Aspects of Health Services

**Management.** (3) Equips future health services management professionals with a working knowledge of health law. Provides necessary background on a variety of health care topics, preparing students to deal with common legal and practical problems facing health care professionals. Prerequisites: HSM 314 and junior standing, or permission of instructor.

## SOCIAL WORK (SW)

**100 Introduction to Social Work.** (3) An introduction to professional values, ethics, history, policies, services, and fields of Social Work practice, emphasizing generalist Social Work. Twenty-five volunteer hours required. A grade of C or better is required to continue through the curriculum.

**212 Human Behavior and the Social Environment I.** (3) An exploration of human development theories in the context of biological, physical, psychological, social, and cultural environments that help shape behavior. The focus is on conception through adolescence. A grade of C or better is required to continue through the curriculum. Prerequisites: SW 100 (C grade or better); BIOL 100; or consent of instructor.

**213 Human Behavior and the Social Environment II.** (3) An exploration of human development theories in the context of biological, physical, psychological, social, and cultural environments that help shape behavior. The focus is on young adulthood through late adulthood. A grade of C or better is required to continue through the curriculum. Prerequisite: SW 212 (C grade or better); or consent of instructor.

### 312 Social Work Research Methodology. (3)

The first of a two-course research sequence preparing students to be effective and ethical

consumers and producers of research. Application of qualitative and quantitative methods for direct practice and program evaluation. A grade of C or better is required to continue through the curriculum. Prerequisites: SW 100 (C grade or better) or consent of instructor.

**313 Social Work Research Statistics.** (3) The second of a two-course sequence. An introduction to descriptive and inferential statistical analyses for the assessment of practice and program effectiveness. Data analysis is conducted with statistical software. A grade of C or better is required to continue through the curriculum. Prerequisite: SW 312 (C grade or better); completion of math competency or consent of instructor.

### 315 Generalist Social Work Practice I. (4)

Provides knowledge, values, and skills needed in the generalist method of Social Work, focusing on working with individuals. A concurrent lab provides skill development. A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 212 (C grade or better); permission of advisor. Corequisite: SW 316.

### 316 Case Management in Social Work.

(3) An introduction to case management as a Social Work function. Theories and models of case management will be studied and case management skills will be developed. Writing Instruction in the Disciplines (WID) course. Prerequisites: Social Work major; SW 212 (C grade or better); ENG 180 and 280; and permission of advisor. Corequisite: SW 315.

**325 Social Welfare Policy.** (3) Study of the formulation and implementation of social welfare policy and its impact on all system levels. Policies are analyzed for their philosophical foundations, populations served, and social and political implications. Policy models, implementation strategies, and budgetary constraints are examined. A grade of C or better is required to continue through the curriculum. Prerequisite: SW 100 (C grade or better); or consent of instructor.

**330 Child and Family Services.** (3) An introduction to theories, policies, and practices in child welfare. Current trends in protective services, family preservation, adoption, and substitute care will be studied. Prerequisite: junior standing or consent of instructor.

**331 Social Work and Addictions.** (3) An introduction to addictions and their effects on individuals, families, and society. Current theories, treatments, and Social Work roles and functions will be studied. Prerequisite: junior standing or consent of instructor.

**332 Social Work with Aging Persons.** (3) An introduction to working with persons as they age and as their circumstances change. Social Work roles and personal, familial, and societal implications of aging will be studied. Prerequisite: junior standing or consent of instructor.

**335 Domestic Violence and Social Work Intervention.** (3) An introduction to major topics in the area of domestic violence. Definitions, warning signs, use of appropriate Social Work services, and prevention will be studied. Prerequisite: junior standing or consent of instructor.

**336 Medical Social Work.** (3) An introduction to a generalist Social Work perspective of medical

Social Work. Theoretical perspectives integrated within medical Social Work will be discussed within a practice-oriented learning environment. Specific skills required in medical Social Work will be emphasized and practiced. *Prerequisite: junior standing or consent of instructor.*

**338 Social Work and Mental Health. (3)** Introduction to mental health; impact of mental illness on individuals, families, and society; roles and functions of social workers in mental health services. Introduction to the DSM V will be provided. Focus will be on generalist Social Work. *Prerequisite: junior standing or consent of instructor.*

**340 Topics in Social Work. (3, repeatable to 6 for different topics)** Varied topics of interest to Social Work and other human service majors. Topics might include diversity, advocacy, spirituality, political activity, criminal justice issues, professional ethics, and interdisciplinary teamwork. *Prerequisite: junior standing or consent of instructor.*

**341 Social Work in Child Welfare I. (3)** An introduction to child welfare policies and practices in the State of Illinois and the United States. Issues of child maltreatment and related social issues will be studied. *Prerequisite: SW 100 with a grade of C or above and junior standing, or consent of instructor.*

**342 Social Work in Child Welfare II. (3)** Study of current child welfare topics and the role of the social work profession in serving children and families involved in the child welfare system. *Prerequisite: SW 341 with a grade of C or above.*

**345 Investigation in Social Work. (1-6, repeatable to 6)** Investigation into a specific area of Social Work that requires more intense study of longer duration. *Prerequisite: junior standing or consent of instructor.*

**380 Social Justice and Diversity. (3) (Global Issues)** Explores how societies and their cultures' structures and values may oppress, discriminate, or create or enhance power. Develops skills to engage in socially just professional practice with diverse populations. *Prerequisites: Social Work major and SW 100 (C grade or better); or consent of instructor.*

**415 Generalist Social Work Practice II. (3)** Covers the theory and skills of the generalist method of Social Work. Its focus is on families and

small groups. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 315 (C grade or better); SW 316 (C grade or better).*

**425 Generalist Social Work Practice**

**III. (3)** Covers the theory and skills of the generalist method of Social Work. Its focus is on organizations, communities, society, and international issues. Thirty hours of community service required. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 315 (C grade or better); SW 316 (C grade or better).*

**440 Pre-Practicum. (1)** Prepares majors for the practicum. Content includes resume preparation; investigation of agency placement opportunities; interviews for placement; overview of ethical, safety, and liability issues; and the role of participants as adult learners. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 315 (C grade or better); permission of the director of Field Education.*

**480 Generalist Social Work Practicum. (13)**

An educational experience in an agency setting that offers practical application of Social Work knowledge, values, and skills. A concurrent integrative seminar provides opportunities for discussion and direction from the instructor. *A grade of C or better is required to graduate. Prerequisites: Social Work major; SW 415 (C grade or better); SW 425 (C grade or better); SW 440 (C grade or better); 2.50 GPA in the major; completion of all other required Social Work courses (C grade or better); being within 20 s.h. of completion of degree; permission of the Director of Field Education and chairperson.*

**496 Senior Honors Thesis in Social Work. (3-6, repeatable to 6)**

Thesis research under the direction of at least two Social Work faculty members on a topic of mutual agreement. *Minimum of 3 s.h. required for honors. Prerequisite: approval of departmental honors advisor.*

**499 Senior Assessment Exam. (0)** An exam that all social work majors must take at the completion of SW 480. This exam assesses the knowledge gained through completing the social work curriculum. Completion of the exam will result in a grade of S. *Prerequisites: Social Work major; senior standing. Corequisite: SW 480. Graded S/U only.*

## **History**

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**Chairperson:** Dr. Timothy M. Roberts

**Office:** Morgan Hall 438

**Telephone:** (309) 298-1053

**Email:** TM-Roberts@wiu.edu

**Website:** [wiu.edu/history](http://wiu.edu/history)

### **Program Offerings and Locations**

- Bachelor of Arts in History: Macomb, Online (History option only)
- Minor in History: Macomb, Quad Cities, Online
- Minor in Middle Level Social Studies Teaching: Macomb

### **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

### **Faculty**

Brice, Chamberlin, Cole, Filipink, Hall, Pamonag, Roberts, Woell.

### **GradTrac**

GradTrac is available to History majors with an option in History or Pre-Law. See page 79 for information about GradTrac.

### **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

### **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in History: Master of Arts in History. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

### **Department Information**

As the cornerstone of a liberal arts education, the study of History provides perspective on present-day problems and helps us to understand past cultures and society. As an academic discipline, its mastery requires recognition of the uniqueness of as well as patterns in past human experiences.

The mission of the Department of History is to prepare students to become informed citizens, capable of thinking critically about the past and its relevance to the present. We help students develop the analytical, research, and communication skills necessary to excel in their careers, particularly in teaching, law, business, public history, and public service, as well as in graduate school.

## Degree Program

### Bachelor of Arts—History

All students seeking the Bachelor of Arts in History must complete I, II, and III.A, III.B, or III.C below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C—" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85) .....	60 s.h.
	Except Teacher Education students must complete the University General Education Curriculum Requirements (including ANTH 110, ECON 100*, GEOG 100*, GEOG 121, PSY 100, and a General Education Math course)— 43 s.h. (p. 69)	
II.	Core Courses.....	15 s.h.
	HIST 105, 106, 115, 116, 201	
III.	Options of Study (Select A, B, or C)	
A.	History	
1.	Special Course: HIST 491† or 492†.....	3 s.h.
2.	Directed Electives	
a.	U.S. History (Area I).....	9 s.h.
b.	World History (Area II) .....	9 s.h.
c.	Any additional History course.....	3 s.h.
	<i>15 of the semester hours in 2 above must be at the 300 or 400 level; of those, at least 3 semester hours must be at the 400 level.</i>	
3.	Any Minor .....	16–20 s.h.
4.	Open Electives.....	1–5 s.h.
B.	Pre-Law	
1.	Special Courses:.....	15 s.h.
	HIST 491† and any four of the following courses:	
	HIST 303, 333, 350, 351, 352, 354, 355, 414, 426	
2.	Directed Electives	
a.	World History course (Area II).....	3 s.h.
b.	Any 400-level History course.....	3 s.h.
c.	Any two of the following courses: ENG 281; PHIL 420; POLS 226, 319, 410 or 411, 448; SOC 355 .....	6 s.h.
3.	Other: PHIL 205 and POLS 122.....	6 s.h.
4.	Any approved minor.....	18 s.h.
	<b>Note:</b> Must graduate with at least a 3.0 GPA in the major.	
	<b>Note:</b> May not count toward the major a grade of D+ or lower in any course required for this major option.	
C.	History—Teacher Education	
1.	History Directed Electives .....	24 s.h.
	At least 24 s.h. of History courses must be taken, including:	
a.	At least 12 s.h. of U.S. History (Area I)	
b.	At least 12 s.h. of World History (Area II)	
	Of those, at least 12 s.h. must be 400-level courses including HIST 420†	
2.	Option Courses: POLS 122, 267 .....	6 s.h.

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3.	Other .....	36 s.h.
a.	EDS 202, 301, 303 (2 s.h.), 304 (1 s.h.), 305, 401.....	13 s.h.
b.	SSED 439, 449.....	6 s.h.
c.	SPED 390.....	3 s.h.
d.	ENG 366 or RDG 387.....	2 s.h.
e.	STCH 480 (16 weeks).....	12 s.h.
	See the "Teacher Education" section (p. 382) for more information about WIU's Teacher Education Program.	
4.	Open Elective.....	1 s.h.

\* Required for the major.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) a History (HIST) global issues course.

† HIST 491 or 492 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the History non-teaching option. HIST 491 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Pre-Law option. HIST 420 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the History—Teacher Education option.

## Minors

<b>Minor in History</b> .....	<b>18 s.h.</b>
1. Select three courses from: HIST 105, 106, 115, 116 .....	9 s.h.
2. History Electives.....	9 s.h.

**Note:** At least 6 s.h. must be earned at the upper division level at a senior institution.

**Note:** Transfer students may use world history credits to satisfy the major or minor requirements for HIST 115 and 116.

<b>Minor in Middle Level Social Studies Teaching</b> .....	<b>24 s.h.</b>
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**Note:** This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.

1. HIST 115, 116; GEOG 100; POLS 267; SSED 390.....	15 s.h.
2. Directed Electives	
a. Two upper-division courses from History Directed Electives Area I (U.S. History).....	6 s.h.
b. One upper-division course from History Directed Electives Area II (World History).....	3 s.h.

## Dual Program

A dual program in Arts and Sciences and Law is available for History majors. Please see the Dual Programs section of this catalog (p. 345) for a detailed description of the program.

## Course Descriptions

### HISTORY (HIST)

**105 American History to 1877. (3) (General Education/Humanities)** A survey of American history from the first encounter of American Indians and Europeans to the Civil War era.  
*IAI: H2 904.*

**106 American History since 1877. (3) (General Education/Humanities)** A survey of American history from the end of the Civil War

era to the present.  
*IAI: H2 905.*

**115 World History to 1500. (3) (General Education/Humanities or Multicultural Studies) (Global Issues)** An introduction to the history of world societies from human origins to 1500 emphasizing social and political institutions, economics, thought, and culture as well as cross-cultural contacts.  
*IAI: H2 906.*

**116 World History since 1500.** (3) (General Education/Humanities or Multicultural Studies) (Global Issues) An introduction to the history of world societies from 1500 to the present emphasizing social and political institutions, economics, thought, and culture as well as cross-cultural contacts.  
*IAI: H2 907.*

**201 Historical Methods.** (3) Introduction to the discipline of history, including fundamental research, analytical, and writing skills required of historians. *Prerequisites: History major; one of HIST 105, 106, 115, or 116; ENG 180; permission of department advisor.*

**211 Technology and Science in World History.** (3) (General Education/Humanities) (Global Issues) An introduction to the history of global technology and science from ancient times to the present. *Directed Elective Area II.*

**241 (Formerly HIST 341) History of Latin America.** (3) (General Education/Multicultural Studies) (Global Issues) A survey of Latin American history and culture from the Pre-Columbian era to the present. *Directed Elective Area II.*

**245 History of Asia.** (3) (General Education/Humanities or Multicultural Studies) (Global Issues) A survey of Asian history from ancient times to the present. *Directed Elective Area II.*

**300 Urban America.** (3) A survey of the growth and development of American urban society. The course is designed to show both how technological, economic, social, and political forces have shaped our cities over time and how cities have affected American life. *No prerequisite. Directed Elective Area I.*

**302 American Indian History, Pre-Contact to the Present.** (3) (General Education/Multicultural Studies) This course surveys the history of American Indians from pre-contact to recent times within the current area of the U.S. *Prerequisite: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

**303 American Legal History.** (3) A study of American law, emphasizing the origins and development of fields of law and legal institutions, and the relationship between the law and American society and politics. *Prerequisite: 3 s.h. of U.S. History or consent of instructor. Directed Elective Area I.*

**304 United States Military History.** (3) (Global Issues) A survey of the military policies and conflicts that shaped the independence, expansion, and recent world position of the United States, and the U.S. military's role in government and society. *Prerequisites: HIST 105 and 106 or enrollment in or completion of MS 311, or consent of instructor. Directed Elective Area I.*

**306 Vietnam War.** (3) A survey of the origins of the Vietnam War and of its social, diplomatic, and political impact in the U.S. *Directed Elective Area I or II.*

**307 U.S. Foreign Relations Since 1898.** (3) (Global Issues) A history of American foreign relations with emphasis on the period from the war with Spain to the present, stressing the behavior of the United States as a world power. *Prerequisite: HIST 106 or consent of instructor. Directed Elective Area I.*

**308 American West.** (3) The settlement and development of the West from the Appalachian Range to the Pacific Ocean. *Prerequisite: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

**310 (Formerly HIST 210) Crime, Policing, and Punishment.** (3) Exploration of the modern history of criminal justice in the United Kingdom, the United States, and Europe with emphasis on comparative development of criminal codes and police forces, rules of evidence, and applications of punishments, with a focus on incarceration. *Prerequisite: HIST 105 or 106 or 115 or 116, or consent of instructor. Directed Elective Area I or II.*

**311 History of Flight Culture.** (3) (General Education/Multicultural Studies) (Global Issues) A cross-cultural survey of the origins, development, and representation of human flight from the ancient world to the present. *Prerequisite: HIST 106 or 116, or consent of instructor. Directed Elective Area I or II.*

**312 Technology, Culture, and Society.** (3) (Global Issues) A history of key technological developments from the Industrial Revolution to the present, with an emphasis on how these innovations have transformed human culture and society. *Directed Elective Area I or II.*

**314 (Cross-listed with AAS 314) African American History.** (3) (General Education/Multicultural Studies) A survey of African American history and culture. *Not open to students with credit for AAS 314. Prerequisite: HIST 106 or AAS 100 or consent of instructor. Directed Elective Area I.*

**316 American Environmental History.** (3) A history of Americans' interaction with their natural environment from pre-contact to the present with special emphasis on the last two hundred years. *BGS online writing course. Prerequisites: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

**317 (Cross-listed with WS 317) Women in American History.** (3) (General Education/Multicultural Studies) A multicultural and historical survey of women in the United States, from 1500 to the present. *Not open to students with credit in WS 317. Prerequisite: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

**318 (Cross-listed with WS 318) Women and Gender in European History.** (3) (General Education/Multicultural Studies) (Global Issues) A study of women and gender in Europe, from antiquity to the present, focusing on changes in culture, society, the economy, and politics. *Not open to students with credit in WS 318. Prerequisite: HIST 115 or 116, or consent of instructor. Directed Elective Area II.*

**319 Ancient Near East and Egypt.** (3) Intermediate survey covering several ancient civilizations in an area that includes the modern Middle East, Egypt, Persia, and Turkey, beginning with the emergence of civilization in Mesopotamia and continuing to the conquest of Alexander the Great. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

**320 Ancient Greece.** (3) A study of Hellenic civilization and the institutional and cultural life of the Greeks. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

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**321 Ancient Rome. (3)** A study of Roman civilization from the Republic through the Empire. *Prerequisite: HIST 115 or consent of instructor.* Directed Elective Area II.

**322 Pre-Modern Military History. (3)** Intermediate survey of military history from the ancient world through the Renaissance. *Prerequisite: HIST 115 or consent of instructor.* Directed Elective Area II.

**323 The Crusades. (3)** A history of the Christian Crusades (1095–1291), emphasizing the historical contexts, causes, and impacts of the conflicts that started in the Eastern Mediterranean and spread to France, Spain, and the Baltic. *Prerequisite: HIST 115 or consent of instructor.* Directed Elective Area II.

**325 Early Modern Europe, 1350–1648. (3)** Study of political, economic, social, and cultural developments of early modern Europe from the mid-fourteenth to mid-seventeenth centuries, including the Renaissance, the Protestant and Catholic Reformations, the age of religious wars, state-building, witchcraft persecution, and the Age of Discovery. *Prerequisite: HIST 115 or consent of instructor.* Directed Elective Area II.

**326 Old-Regime Europe, 1648–1815. (3)** An intermediate survey of European politics, society, economics, and culture; with emphasis on how Old-Regime beliefs, practices, and institutions either culminated or broke down in the French Revolution and the Napoleonic era. *Prerequisite: HIST 116 or consent of instructor.* Directed Elective Area II.

**327 Nineteenth-Century Europe. (3)** A study of Europe from 1815 to 1914. *Prerequisites: HIST 116 or consent of instructor.* Directed Elective Area II.

**328 Europe, 1914–1968. (3)** A study of Europe from 1914 to 1968. *Prerequisites: HIST 116 or consent of instructor.* Directed Elective Area II.

**329 Great-Power Diplomacy. (3)** A history of relations between the great powers from the 1890s to the present. In addition to the major European powers, the course includes the U.S., China, and Japan. *Prerequisite: HIST 116 or consent of instructor.* Directed Elective Area II.

**333 Britain to 1688. (3)** A survey of British social and political history, with emphasis on constitutional development. *Prerequisite: HIST 115 or consent of instructor.* Directed Elective Area II.

**337 (Cross-listed with GER 337) The Holocaust. (3) (General Education/Multicultural Studies) (Global Issues)** Examines the pre-history, history, and post-history of the Holocaust and its representations from a German Studies perspective and within the broader context of European culture. *Not open to students with credit for GER 337.* *Prerequisite: HIST 116 or GER 224, or consent of instructor.* Directed Elective Area II.

**342 (Cross-listed with WS 342) Women and Gender in Asian History. (3) (General Education/Multicultural Studies)** A study of women and gender in Asia from ancient times to the present, with an emphasis on social, political, economic, and cultural aspects of their lives. *Not open to students with credit for WS 342.* *Prerequisite: HIST 116 or consent of instructor.* Directed Elective Area II.

**345 China. (3)** A survey of Chinese history from ancient times to the present, with emphasis from

the late dynastic (Ching) period through the Cultural Revolution. *Prerequisite: HIST 115 or 116 or consent of instructor.* Directed Elective Area II.

**346 Japan. (3) (Global Issues)** A survey of Japanese history from ancient times to the present, with emphasis on the period from the late feudal (Tokugawa) period. *Prerequisite: HIST 115 or 116 or consent of instructor.* Directed Elective Area II.

**347 Modern East Asia. (3) (Global Issues)** A study of China, Japan, and Korea in the 20th century. *Prerequisites: HIST 116 or 245 or consent of instructor.* Directed Elective Area II.

**349 (Cross-listed with AAS 349) Africa since 1800. (3) (General Education/Multicultural Studies)** A study of major themes from 1800 to the present from an African perspective: slave trade and its abolition, European colonialism, independence movements, and problems of independence. *Not open to students with credit for AAS 349.* *Prerequisite: HIST 116 or consent of instructor.* Directed Elective Area II.

**350 American Colonial History. (3)** A focus on the continuities and changes in the Americas after 1492 wrought by interaction of Native Americans, Europeans, and Africans to 1763. *Prerequisites: HIST 105 or consent of instructor.* Directed Elective Area I.

**351 American Revolution and the New Nation. (3)** A study of the social, economic, and political causes of the American Revolution, the War of Independence, the development of a new system of government, and the early years of the new nation to 1824. *Prerequisites: HIST 105 or consent of instructor.* Directed Elective Area I.

**352 Civil War Era and Reconstruction. (3)** A study of the political, social, economic, military, and diplomatic history of the period 1824 to 1877, with focus on the causes, course, and consequences of the American Civil War. *Prerequisites: HIST 105 or consent of instructor.* Directed Elective Area I.

**354 Emergence of Modern America, 1914–1945. (3)** A study of American history from World War I to the end of World War II. *Prerequisites: HIST 106 or consent of instructor.* Directed Elective Area I.

**355 Recent America, 1945 to Present. (3)** A study of American History from the end of World War II to the present. *Prerequisites: HIST 106 or consent of instructor.* Directed Elective Area I.

**380 World War I. (3) (Global Issues)** A study of World War I emphasizing military, cultural, political, and technological developments and the conflict's global impact in shaping the twentieth century. *Prerequisite: HIST 106 or 116, or consent of instructor.* Directed Elective Area I or II.

**381 World War II. (3)** A study of World War II emphasizing the military conflict's impact in transforming politics, cultures, and societies around the globe and its foundational role in sparking the "Cold War" that dominated the last half of the twentieth century. *Prerequisite: HIST 106 or 116, or consent of instructor.* Directed Elective Area II.

**385 History of Drugs. (3)** Examination of the history of drugs, in historical and modern contexts, in both the United States and globally, with a focus on cannabis and other "recreational

drugs." Prerequisite: sophomore standing or permission of instructor. Directed Elective Area II.

**402 (Cross-listed with AAS 402) The Civil Rights Movement. (3)** An intensive study of the history of the African American civil rights movement concentrating on the post-WWII era. The course also examines the contested historical memory over the long black freedom struggle. *Not open to students with credit for AAS 402.* Prerequisites: at least junior standing and either HIST 106 or AAS 100; or consent of instructor. Directed Elective Area I.

**414 Early American Republic, 1800-1848.**

(3) An intensive study of the development of the United States from 1800 to 1848, emphasizing the development of a new political culture within the expanding postcolonial nation. Prerequisites: at least junior standing and HIST 105, or consent of instructor. Directed Elective Area I.

**420 Capstone Seminar: Illinois History.**

(3) Periods and themes in Illinois history including social, political, economic, cultural, and environmental change. Working in a seminar setting, students complete a major historical research project. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: HIST 105, 106, and 201; ENG 280; and at least junior standing; or consent of instructor. Directed Elective Area I.

**421 Seminar in Global Environmental History.**

(3) **(Global Issues)** An in-depth comparative, historical study of the interactions between humans and the natural environment from 1500 to the present. Prerequisites: at least junior standing and HIST 116 or 316, or consent of instructor.

**423 The Vietnam War and Its Times. (3)** A seminar on the Vietnam War, with particular emphasis on domestic social and political aspects during the 1960s. Research in primary sources will be required. Prerequisites: at least junior standing and HIST 106, or consent of instructor. Directed Elective Area I or II.

**426 The Enlightenment, 1721-1784. (3)**

Advanced study of a cultural revolution in the Atlantic world; a "republic" of philosophers, ideas, and debates; social institutions promoting reform; emergence of new media, mass literacy, public opinion, and private sentiment, and the broader context in which these flourished. Prerequisites: at least junior standing and HIST 116, or consent of instructor. Directed Elective Area II.

**427 French Revolution and Napoleon. (3)** A detailed examination of the period from 1789 to 1815 in Europe. Prerequisites: at least junior standing and HIST 116, or consent of instructor. Directed Elective Area II.

**431 Alexander the Great. (3)** Advanced study of the life, achievements, and historical context of Alexander III of Macedon, with particular focus on his impact outside Europe. Prerequisites: at least junior standing and HIST 319 or 320, or consent of instructor. Directed Elective Area II.

**433 Tudor/Stuart England: 1485-1714. (3)** Political, economic, cultural, and social history of early modern England during the reigns of the Tudor and Stuart monarchs, emphasizing social structures, cultural movements, religious continuity and change, and constitutional developments. Prerequisites: at least junior

standing and HIST 115 or 325 or 333, or consent of instructor. Directed Elective Area II.

**434 Topics in British History. (3, repeatable to 6 with permission of department chairperson)** Selected topics dealing with the political, social, and economic development of Britain. Topics will vary. Prerequisites: at least junior standing and HIST 115 or 116 or 333 (as appropriate), or consent of instructor. Directed Elective Area II.

**438 Hitler's Germany, 1919 to 1949. (3)** Study of Germany from the end of World War I to its division following World War II, focusing on the Weimar Republic, the rise and fall of Adolf Hitler and the Nazi Party, the Holocaust, and Germany's postwar breakup. Prerequisites: at least junior standing and HIST 116, or consent of instructor. Directed Elective Area II.

**451 Problems in History. (1-6, repeatable to 6)**

Research into areas not specifically covered in other courses. Course credit depends on the nature of the problem and the length of time required to complete the project. Only 3 s.h. may be applied to major or minor requirements. Prerequisites: 9 s.h. of History, 3 s.h. of which must be from WIU; junior standing; and consent of instructor.

**452 Readings in History. (1-3, repeatable to 3)**

Prerequisites: 9 s.h. of History, 3 s.h. of which must be from WIU; junior standing; and consent of instructor.

**482 Topics in European History. (3, repeatable to 6)**

In-depth study of a theme or chronological period in European history. Topics will vary. Prerequisites: at least junior standing and HIST 115 or 116 (as appropriate), or consent of instructor. Directed Elective Area II.

**485 Topics in Asian History. (3, repeatable to 6)**

In-depth study of a theme or chronological period in Asian History. Topics will vary. Prerequisites: at least junior standing and HIST 116 or 345 or 346 or 347, or consent of instructor. Directed Elective Area II.

**488 Topics in U.S. History. (3, repeatable to 6)**

In-depth study of a theme or chronological period in U.S. history, from the colonial period to the present. Topics will vary. Prerequisites: at least junior standing and HIST 105 or 106 (as appropriate), or consent of instructor. Directed Elective Area I.

**490 Honors Thesis in History. (3)**

The preparation by an honors student of an undergraduate History thesis under the direction of one or more members of the History Department. Prerequisite: Honors major in History with junior or senior standing.

**491 Capstone Seminar in History. (3)**

Historical research and writing in a seminar setting is the primary focus of this course. Students will complete a major historical research project. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: History major; HIST 105, 106, 115, 116, and 201; at least two upper-division History courses; ENG 280; at least junior standing; and permission of department advisor.

**492 Capstone Seminar in Public History. (3)**

This thematic seminar will focus on the theory and practice of public history and introduce students to methodologies and approaches used by public historians. Students will complete

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a major historical research project. *Writing Instruction in the Disciplines (WID) course.*  
*Prerequisites: HIST 105, 106, 115, 116, and 201; at least two upper-division History courses; ENG 180 and 280; at least junior standing; and permission of department advisor.*

**494 Internship. (1-12, repeatable to 12)**  
Supervised experience of work in archives, historical institutions, or other institutions requiring historical expertise. *Prerequisites: consent of department chairperson and junior or senior standing.*

# Interdisciplinary Minors and Courses

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## Interdisciplinary Minors

Western Illinois University offers a variety of minor programs using an interdisciplinary approach. These programs include individual courses, taught by instructors from one or more departments, that embrace the subject matter and class methods of several disciplines. All interdisciplinary minors include courses from at least two departments (not including the student's major). To enroll in an interdisciplinary minor, students should consult their major academic advisor and the minor advisor listed below.

### Interdisciplinary Minor in Aging Studies..... 18 s.h.

**Program Location:** Macomb

**Academic Advisor:** Dr. Robert C. Intrieri, Department of Psychology

1. Core Courses..... 12 s.h.  
AGE/ANTH/PSY/RPTA/SOC 202—The Aging Person in the Social Context (3)  
AGE 487—Practicum in Aging Studies (2)  
AGE 490—Seminar in Aging Studies (1)  
PSY 423—Psychology of Adulthood and Aging (3)  
SOC 405—Sociology of Aging in Rural and Urban America (3)
2. Electives..... 6 s.h.  
Select 6 s.h. from the following courses\*:  
AGE 460—Individual Research in Aging Studies (1-3)  
AGE 463—Individual Readings in Aging Studies (1-3)  
HS 410—Human Diseases (3)  
HS 412—Public Health Administration (3)  
HSM 314—Health Care Management (3)  
HSM 315—Long Term Care Management (3)  
KIN 300—Fitness for Older Adults and Special Populations (3)  
RPTA 251—Foundations of Therapeutic Recreation (3)  
RPTA 452—Leisure Services for Older Adults (3)  
SW 332—Social Work with Aging Persons (3)  
ZOOL 420—Biology of Aging (3)

\* Check the course prerequisites to determine eligibility to take the course.

### Interdisciplinary Minor in Cannabis and Culture..... 18 s.h.

**Program Locations:** Macomb, Online

**Academic Advisor:** Dr. Sarah Haynes, Department of Race, Religion, and Multidisciplinary Studies

1. Core Courses..... 9 s.h.  
ANTH 180—Cannabis Cultures: The Anthropological Study of Cannabis (3)  
LAS 420—Senior Seminar in Cannabis and Culture (3)  
REL 180—Religion and Drugs (3)
2. Directed Electives ..... 9 s.h.  
Select 9 s.h. from the following courses with at least 3 s.h. at the 300- or 400-level. No more than two courses from one department:  
ANTH 210—Medical Anthropology (3)  
ANTH 333—Drugs and Cultures: From Magic Mushrooms to Big Pharma (3)  
ANTH/BOT 463—Ethnobotany (4)  
ANTH/REL 324—Religion, Magic, and Shamanism (3)  
ENG 363—Cannabis in Popular Culture (3)  
HIST 385—History of Drugs (3)

## **Interdisciplinary Minors and Courses**

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PHIL 120—Contemporary Moral Problems (3)

POLS 302—Introduction to Public Policy (3)

POLS 400—Comparative Public Policy (3)

**Note:** A maximum of 3 s.h. of LAS 420 may count for this minor.

### **Interdisciplinary Minor in Environmental Studies.....18–22 s.h.**

**Program Location:** Macomb

**Academic Advisor:** Ms. Jennifer Sandrik-Rubio, College of Arts and Sciences

1. Core Requirements ..... 6 s.h.

ENVR 201—Introduction to Environmental Studies (3)

ENVR 401—Colloquium on Environmental Studies (3)

2. Must take at least one course from each Foundation Area and a fourth course from any Foundation Area ..... 12–16 s.h.

a. Foundation Area 1: Environmental and Earth Sciences

AGRN 278—Fundamentals of Soil Science (4)

BIOL 350—General Ecology (4)

BOT 210—Local Flora (3)

CHEM 342—Fundamentals of Environmental Chemistry (4)

EOS 310—Environmental Sciences (3)

EOS 311—Environmental and Occupational Health Problems (3)

GEOL 113—Energy and Earth Resources (3)

GEOL 310—Geologic Field Methods (2)

GEOL 375—Environmental Geology (3)

GEOL 380—Hydrogeology (4)

GEOL 420—Geomorphology (3)

METR 327—Environmental Climatology (3)

PHYS 124—General Physics (4)

b. Foundation Area 2: Human Dimensions and Environmental Interactions

ANTH 410—Anthrozoology (3)

ANTH/BOT 463—Ethnobotany (4)

ANTH/WS 395—Gender, Race, and the Environment (3)

ENG 340—American Nature Writing (3)

ENG 481—Topics in Writing Studies (3)

HIST 316—American Environmental History (3)

HIST 420—Capstone Seminar: Illinois History (3)

PHIL 333—Environmental Ethics (3)

RPTA 376—Perspectives in Outdoor Recreation (3)

RPTA 448—Interpretation of Cultural and Environmental Resources (3)

c. Foundation Area 3: Environmental Management and Decision-Making

CONS 405—Soil and Water Conservation (4)

ECON/AGEC 430—Environmental Economics (3)

GEOG/BIOL 426—Conservation and Management of Natural Resources (3)

INAG 310—International Agriculture in Developing Countries (3)

MGT 481—Management and Society: Ethics and Social Responsibility (3)

POLS 393—Environmental Politics (3)

### **Interdisciplinary Minor in Horticulture ..... 18 s.h.**

**Program Location:** Macomb

**Academic Advisor:** Ms. Ember Keithley; School of Agriculture

1. Required Courses ..... 8 s.h.

BOT 329—Plant Structure and Function (3)

HORT 180—Principles of Horticultural Science (4)

HORT 493—Practicum in Horticultural Science (1–3)

## **Interdisciplinary Minors and Courses**

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2. Choice of one of the following courses:.....3 or 4 s.h.  
FOR 308—Woody Plant Identification and Dendrology (4)  
HORT 381—Herbaceous Landscape Plants (3)
3. Electives to be selected from any of the following four emphases:.....7 or 8 s.h.
  - a. Production  
AGRN 373—Integrated Pest Management (4)  
FOR 406—Tree Care Science—Arboriculture (4)  
HORT 384—Sustainable Landscape Construction and Management (3)  
HORT 393—Greenhouse Management (3)  
HORT 480—Plant Propagation (3)  
HORT 485—Turf Management (3)
  - b. Design and Construction  
RPTA 487—Site Planning in Recreation and Parks (3)
  - c. Plant Science  
AGRN 278—Fundamentals of Soil Science (4)  
HORT 389—Home Horticulture (3)
  - d. Operations  
FOR 407—Community Forest Management (3)

### **Interdisciplinary Minor in International Studies ..... 18 s.h.**

**Program Location:** Macomb

**Academic Advisor:** Dr. Gregory Baldi, Department of Political Science

1. Core Requirements ..... 6 s.h.
  - a. Required of all minors:  
POLS 228—Fundamentals of International Relations (3)
  - b. Choose one of the following four courses:  
*The chosen course must not be in the student's major department.*  
ANTH 110—Introduction to Cultural Anthropology (3)  
GEOG 110—World Regional Geography (3)  
HIST 116—World History since 1500 (3)  
POLS 267—Introduction to Comparative Government and Politics (3)
2. Language Component ..... 0–6 s.h.  
Some, but not all, of the areas of study require a foreign language. Language study is encouraged but not required for the others. This requirement can be satisfied in whole or part by proficiency credit. The areas which involve language requirements are:  
Latin America (6 hours Spanish)  
Eastern Europe (6 hours German)  
Western Europe (6 hours French or 6 hours German or 6 hours Spanish)
3. Area Studies ..... 6–12 s.h.  
This requirement is for 6 or 12 s.h., depending on whether a language is required for the student's area of study (see 2 above). If a language is required in 2, only 6 s.h. are required here. If no language is required in 2, 12 s.h. are required. Note that courses in a non-required but appropriate language (e.g., Japanese for a student in Asian Studies) can satisfy part of this requirement. Courses must be in a minimum of two departments. The elective courses from which the student must elect 6 or 12 s.h., as appropriate, are listed below by area.

## **Interdisciplinary Minors and Courses**

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- a. African Studies
  - AAS/POLS 327—African Politics (3)
  - AAS/GEOG 466—World Regions—Africa (3)
  - AAS/HIST 349—Africa since 1800 (3)
  - AAS 381—Modern African Literature (3)
  - ANTH 201—World Culture Regions—Africa (3)
  - ECON 420—Economic Development (3)
  - ECON 470—International Trade (3)
  - INAG 310—International Agriculture in Developing Countries (3)
- b. Asian Studies
  - ANTH 201—World Culture Regions—Asia (3)
  - ECON 420—Economic Development (3)
  - ECON 470—International Trade (3)
  - GEOG 466—World Regions—Monsoon Asia (3)
  - HIST 345—China (3)
  - HIST 346—Japan (3)
  - INAG 310—International Agriculture in Developing Countries (3)
  - REL 350—Hinduism (3)
  - REL 355—Buddhism (3)
- c. Latin American Studies
  - ANTH 201—World Culture Regions—Latin America (3)
  - ECON 420—Economic Development (3)
  - ECON 470—International Trade (3)
  - GEOG 466—World Regions—Latin America (3)
  - HIST 241—History of Latin America (3)
  - INAG 310—International Agriculture in Developing Countries (3)
  - POLS 329—Latin American Politics (3)
  - SPAN 456—Masterpieces of Spanish American Literature (3)
  - SPAN 457—Contemporary Spanish American Prose (3)
- d. Middle Eastern Studies
  - ANTH 201—World Culture Regions—Middle East (3)
  - ECON 420—Economic Development (3)
  - ECON 470—International Trade (3)
  - INAG 310—International Agriculture in Developing Countries (3)
  - REL 365—Islam (3)
- e. Russian and East European Studies
  - ARTH 489—Early Christian, Byzantine, or Medieval Art (3)
  - ECON 470—International Trade (3)
  - GEOG 466—World Regions—Russia (3)
- f. Western European Studies
  - ARTH 283—History of World Art: 1400–1900 (3)
  - ENG 328—Survey of British Literature (3)
  - FR 404—French Civilization and Culture I (3)
  - GER 406—German Civilization and Culture (3)
  - HIST 328—Europe, 1914–1968 (3)
  - HIST 427—French Revolution and Napoleon (3)
  - HIST 438—Hitler's Germany, 1919 to 1949 (3)
  - MKTG 317—International Business (3)
  - PHIL 300—History of Ancient Philosophy (3)
  - PHIL 310—History of Modern Philosophy (3)
  - POLS 322—European Politics (3)
  - SPAN 408—Spanish Civilization and Culture (3)
  - THEA 390—World Theatre History I (3)
  - THEA 391—World Theatre History II (3)

## **Interdisciplinary Minors and Courses**

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### **Interdisciplinary Minor in Law and Society..... 18 s.h.**

**Program Location:** Macomb

**Academic Advisor:** Dr. Keith Boeckelman, Department of Political Science

1. Required Courses ..... 3 s.h.  
POLS 226—Introduction to Law and Society (3) or  
PHIL 205—Philosophy, Law and Society (3)
2. Electives..... 15 s.h.  
Courses must be selected from the following list. They must be drawn from three different departments, not including the student's major. Student may count PHIL 205 as a Directed Elective only if the student has taken POLS 226.  
AAS 270—Blacks and the Law (3)  
BC&J 400—Mass Communication Law and Ethics (3)  
HIST 303—American Legal History (3)  
LEJA 212—Criminal Law (3)  
LEJA 312—Criminal Procedure (3)  
LEJA 441—Seminar on Current Issues in the Court System (3)  
PHIL 205—Philosophy, Law and Society (3)  
PHIL 330—Moral Philosophy (3)  
PHIL 420—Philosophy of Law (3)  
POLS 319—The Judiciary (3)  
POLS 382—Modern Political Theory (3)  
POLS 410—Constitutional Law: Government Organization and Powers (3)  
POLS 411—Constitutional Law: Civil Liberties and Civil Rights (3)  
POLS 447—Administrative Law and Politics (3)  
POLS 448—The Supreme Court (3)  
PSY 453—Psychology and Law (3)  
REL 300—Religion, Ethics, and Law (3)  
SOC 355—Criminology (3)  
SOC 463—Sociology of Law (3)

### **Interdisciplinary Minor in Queer Studies..... 16 s.h.**

**Program Location:** Macomb

**Academic Advisor:** Dr. Merrill Cole, Department of English

1. Required Courses ..... 7 s.h.  
QS 100—Introduction to Queer Studies (3)  
QS 400—Capstone in Queer Studies (4)
2. Three of the following:..... 9 s.h.  
ENG 359—LGBT Topics in Literature (3)  
F L/WS 480—Sexuality in German and Austrian Culture (3)  
PSY 355—Psychology of Sexual Orientation (3)  
SOC 427—Sociology of Sexual Orientation (3)  
WS 280—Lesbianism and Gender Identity (3)  
WS 455—Feminist Theory & Practice (3)

## **Interdisciplinary Courses**

The College of Arts and Sciences offers Interdisciplinary Courses, which involve the consideration of significant concepts and topics that cross the lines of a single department. Several of these courses, such as those dealing with themes in law and society, are primarily designed to serve the needs of students enrolled in interdisciplinary minors. Although not specifically designed for this purpose, Interdisciplinary Courses can be useful for career preparation in some areas.

## **Interdisciplinary Minors and Courses**

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### **Course Descriptions**

#### **ENVIRONMENTAL STUDIES (ENVR)**

##### **201 Introduction to Environmental Studies.**

(3) Dimensions and scope of environmental studies, includes relationship of humans to nature, ecosystems, earth resources, population, environmental economics, politics, health, and biodiversity.

##### **401 Colloquium on Environmental Studies.**

(3) The capstone course in the Environmental Studies minor. Variable topics on such issues as population growth, terrestrial resources, environmental ethics, global warming, politics and economics of environment, environmental regulations, agriculture—world food resources will be examined. Students will complete a research project. *Prerequisites: ENVR 201 or permission of instructor.*

**Interim Chairperson:** Dr. W. Randal Hyllegard  
**Office:** Brophy Hall 212  
**Telephone:** (309) 298-1981  
**Fax:** (309) 298-2981  
**Website:** [wiu.edu/kinesiology](http://wiu.edu/kinesiology)

## Program Offerings and Locations

- Bachelor of Science in Exercise Science: Macomb
- Bachelor of Science in Nutrition and Dietetics: Macomb
- Bachelor of Science in Nutrition and Foodservice Management: Macomb
- Bachelor of Science in Physical Education: Macomb
- Minor in Coaching: Macomb
- Minor in Nutrition: Macomb, Online
- Minor in Scuba Diving: Macomb

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Bories, Gabbei, Hyllegard, Kanauss, Kovacs, Narvaez, Piper, Plos, Polubinsky, Radlo, Sarra, Shupe, Wang.

## GradTrac

GradTrac is available to Nutrition and Dietetics majors and Nutrition and Foodservice Management majors. See page 79 for information about GradTrac.

## Honors Curriculum

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Department Information

Kinesiology is an academic discipline that involves the study of physical activity and its impact on health, society, and quality of life. Undergraduate students in the Department of Kinesiology at WIU may choose to major in Exercise Science, Nutrition and Dietetics, Nutrition and Foodservice Management, or Physical Education. Common to all majors is a focus on the body from psychological, biological, and physiological perspectives, as well as an appreciation of an active and healthy lifestyle.

Students majoring in **Exercise Science** are prepared for a wide variety of kinesiology-related fields. Graduates of the program work in cardiac rehabilitation, health/fitness facility management, personal training, strength and conditioning, and employee wellness to name a few. In addition, the Exercise Science degree can provide students with the necessary prerequisites and field experience that will make them strong candidates for future study in athletic training, physical therapy, occupational therapy, and physician assistant programs.

## **Kinesiology**

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The **Physical Education** degree program leads to Illinois state licensure in grades K-12. The curriculum focuses on the development of the knowledge, skills, and dispositions needed to positively impact K-12 student learning. To achieve this goal, we offer coursework and a variety of field experiences that focus on the use of evidence-based practices, differentiated instruction, technology, and varied assessments to plan and implement instruction in ways that promote student growth and achievement.

The **Nutrition and Dietetics** degree program's mission is to prepare graduates with the knowledge expected of those entering a supervised practice program leading to eligibility for the CDR credentialing exam to become a registered dietitian nutritionist. The curriculum is designed to facilitate the intellectual, personal, and professional growth of students and to encourage them to be lifelong learners. The Nutrition and Dietetics program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), located at the headquarters of the Academy of Nutrition and Dietetics at 120 Riverside Plaza, Suite 2000, Chicago, IL 60606; telephone (800) 877-1600. Graduation is based on completion of requirements of the accredited Nutrition and Dietetics major requirements and fulfillment of University requirements.

The **Nutrition and Foodservice Management** degree program provides students with the competencies, knowledge, and experiences required of nutritional and foodservice professionals working in nutrition services and the foodservice industry. Career opportunities exist in hospitals, long-term care, schools, correctional facilities, senior living facilities, and other commercial and noncommercial foodservice industries. The curriculum covers areas such as the science of food and human nutrition, the principles and practices of food production, foodservice operation systems, and safety and sanitation. Opportunities to participate in professional meetings, advisory council seminars, field trips, travel tours, Study Abroad programs, and to complete an internship program exist for all students.

## **Admission to the B.S. in Nutrition and Dietetics**

1. To be accepted into the Bachelor of Science in Nutrition and Dietetics program, a student must have a minimum cumulative 2.75 GPA.
2. After admission into the Bachelor of Science in Nutrition and Dietetics program, each student must maintain a cumulative GPA of 2.75 or higher on a 4.00 scale to be retained in the Nutrition and Dietetics program. Students with less than a 2.75 GPA after admission to the Nutrition and Dietetics program will be dismissed from the program.
3. Students must have a cumulative GPA of 2.75 or higher on a 4.00 scale to receive a verification statement from the Nutrition and Dietetics program.

## **Degree Programs**

### **Bachelor of Science in Nutrition and Dietetics**

All students seeking the Bachelor of Science in Nutrition and Dietetics must complete I, II, and III below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** *Students enrolled in this major may not minor in Nutrition.*

- |  |         |
|--|---------|
| I. University General Education Curriculum (p. 69) .....   | 43 s.h. |
| II. Core Courses.....  | 54 s.h. |
| NUTR 109**, 209, 220, 300**, 301, 305, 306, 308, 320, 404, 405,<br>406, 409, 410, 420, 438; NUTR/HS 407, 408†, 411 |         |

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III. Other.....	44 s.h.
A. CHEM 101**, 102**, 221**# .....	12 s.h.
B. ECON 100** or 231** or 232** .....	3 s.h.
C. HRM 353.....	3 s.h.
D. HS 410.....	3 s.h.
E. KIN 290, 291.....	6 s.h.
F. MGT 349.....	3 s.h.
G. MICR 200** .....	4 s.h.
H. PSY 100**.....	3 s.h.
I. STAT 171** or equivalent.....	3 s.h.
J. ZOOL 200**.....	4 s.h.
K. FR/GER/SPAN 224** (recommended)	

\* Students with a career objective of becoming a registered dietitian must complete a program of study which meets the accredited Didactic Program in Nutrition and Dietetics at WIU. (These program competencies must be met prior to the application to an accredited dietetic internship.)

\*\* May count toward the University General Education Curriculum requirement.

\*\*# Does not count toward the University General Education Curriculum requirement.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) NUTR 300.

† NUTR/HS 408 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

## Bachelor of Science—Exercise Science\*

All students seeking the Bachelor of Science in Exercise Science must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C- or better is required in all Kinesiology (KIN) courses required for the major. A 2.5 GPA in the major is required before internship clearance.

I. University General Education Curriculum (p. 69) .....	43 s.h.
(To include NUTR 109 and one of BIOL 100, BIOL 101, or ZOOL 200)	
II. Department Core Courses.....	12 s.h.
KIN 270, 359, 391, 392	
III. Major Core Courses .....	32 s.h.
A. KIN 170, 300, 343, 347, 440, 444†, 463 .....	20 s.h.
B. Internship: KIN 400.....	12 s.h.
IV. Major Elective Courses .....	15 s.h.
A. KIN 290 or ZOOL 330 .....	3–4 s.h.
B. KIN 291 or ZOOL 331 .....	3–4 s.h.
C. Choose 7–9 s.h. from: KIN 247, 319, 369, 396, 401, 464, 473 .....	7–9 s.h.
V. Open Electives .....	18 s.h.
* For successfully meeting established criteria, the National Strength and Conditioning Association officially recognizes Western Illinois University's educational program in Strength and Conditioning.	
# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	

## Kinesiology

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- † KIN 444 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

### Bachelor of Science in Nutrition and Foodservice Management

All students seeking the Bachelor of Science in Nutrition and Foodservice Management must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** Students enrolled in this major may not minor in Nutrition.

I.	University General Education Curriculum (p. 69) .....	43 s.h.	
II.	Core Courses.....	51 s.h.	
A.	HM 356, 359.....	6 s.h.	
B.	NUTR 109**, 203, 209, 220, 300**, 305, 308, 320, 404, 420 438, 440; NUTR/HS 408† .....	42 s.h.	
C.	RPTA 482 .....	3 s.h.	
III.	Directed Electives.....	10 s.h. Select 10 s.h. from the following courses: HM 256, 452; NUTR 301, 306, 379, 405, 411, 450 (Healthy Cooking), 450 (Sports Nutrition), 450 (Weight Management); RPTA 450	
IV.	Other.....	35 s.h.	
A.	BIOL 101** .....	4 s.h.	
B.	ECON 100** or 231** or 232** or equivalent.....	3 s.h.	
C.	HM 354, 451.....	6 s.h.	
D.	HRM 353.....	3 s.h.	
E.	MGT 349 .....	3 s.h.	
F.	MICR 200** .....	4 s.h.	
G.	NUTR 206; NUTR/HS 407 .....	6 s.h.	
H.	PSY 100** .....	3 s.h.	
I.	STAT 171** .....	3 s.h.	

\*\* May count toward the University General Education Curriculum requirement.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing NUTR 300.

† NUTR/HS 408 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

### Bachelor of Science—Physical Education (Comprehensive Major)

All students seeking the Bachelor of Science in Physical Education must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 124 s.h. Teacher Education will require additional hours.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C." or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

I.	University General Education Curriculum (p. 69) .....	43 s.h.
	Must include a General Education mathematics course	

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II.	Department Core Courses.....	15 s.h.
	KIN 270, 290, 359, 391, 392	
III.	Major Core Courses .....	41 s.h.
A.	Content Knowledge: PETE 120, 135, 145, 155, 215, 225, 235, 245	
B.	Pedagogical Knowledge: KIN 369; PETE 249, 265, 325, 364, 365, 393, 438	
IV.	Other.....	25 s.h.
A.	RDG 387.....	2 s.h.
B.	EDUC 239, 339, 469; PETE 439† .....	3 s.h.
C.	EDS 202, 301, 401 .....	8 s.h.
D.	STCH 480 (6) and 483 (6) .....	12 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	PETE 439 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## Minors

### Minor in Coaching..... 19–20 s.h.

1. Required Courses ..... 13 s.h.  
KIN 271, 272, 294, 466, 472
2. Choose one of the following courses: KIN 270, 290, 359, 493..... 3 s.h.
3. Choose two of the following courses: KIN 247, 451, 454, 459.....3–4 s.h.

### Minor in Nutrition ..... 18 s.h.

**Note:** This minor is not open to students majoring in Nutrition and Dietetics or Nutrition and Foodservice Management.

1. NUTR 109, 209, 305, 404..... 12 s.h.
2. Select 6 s.h. from the following courses:..... 6 s.h.  
NUTR 203, 220, 300, 301, 306, 308, 320, 379, 405,  
450 (Sports Nutrition), 450 (Weight Management),  
450 (Healthy Cooking); NUTR/HS 407, 408, 411

### Minor in Scuba Diving..... 16 s.h.

1. KIN 108, 208, 308, 408..... 8–10 s.h.
2. Select 6–8 s.h. from the following courses: ..... 6–8 s.h.  
EM 251, 252, 276, 304; ET 364; Foreign Language—FR, GER,  
PORT, SPAN; GEOL 115; HE 251; HM 453; KIN 359; FS 210;  
MGT 125, 349; PHYS 100; RPTA 249, 362, 367, 376, 460, 462,  
466; SPA 121, 122; ZOOL 414, 415, 452

## Course Descriptions

### KINESIOLOGY (KIN)

**102 Swimming. (1) (General Education/Human Well-Being)** For individuals who have some experience and feel comfortable in the water. The individual should be able to move on the face and back and should have had some experience in deep water. Front crawl, back crawl, elementary back stroke, breast stroke, side stroke, fall-in dive, standing front dive, and surface dive will be taught.

**108 Open Water Scuba. (2)** Provides classroom and confined water work needed to scuba dive safely in open water. Certification is available, but not required. Must be able to swim 250 yards continuously, tread water 10 minutes, and swim underwater 50 feet. Physical examination required. *Additional charge for this course.*

**111 Foundations of Tai Chi. (1)** Tai Chi is a Chinese traditional martial art. Course content will include learning and practicing the 24 postures of Tai Chi as well as specific breathing methods commonly employed during Tai Chi exercise sessions. The course is designed for

# Kinesiology

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beginners, and no prior experience in martial arts is necessary for students in the class.

**117 (Cross-listed with DAN 117) Pilates**

**Exercise.** (1) Pilates-based, mat-work fundamentals and basic concepts of Core Dynamics and floor exercises for physical/mental conditioning that change, tone, center, balance, and strengthen the body. Holistic exercise uses specific breath support while the body is engaged in dynamic exercise and includes a posture analysis to determine individual needs and goals. *Not open to students with credit in DAN 117.*

**118 Aerobic Dancercise. (1) (General Education/Human Well-Being)** Concepts and principles of aerobic dance movements; routines consisting of different beats, tempo, and movement forms.

**121 Badminton. (1) (General Education/Human Well-Being)** Beginning level skills and techniques and appreciation for the game of badminton.

**123 Golf. (1)** Beginning level skills, techniques, knowledge, and etiquette. *Additional charge for this course.*

**127 Riflery. (1)** *Additional charge for this course.*

**128 Tennis. (1) (General Education/Human Well-Being)** Beginning skills, strategies, and rules used to play the game of tennis.

**131 Aerobic Conditioning. (1) (General Education/Human Well-Being)** Designed to acquaint students with cardiovascular endurance exercise. Various training programs will be introduced which are directed at conditioning of the vital organs.

**140 Personal Fitness Program. (1) (General Education/Human Well-Being)** After initial assessment, each student undertakes an individualized conditioning program designed to improve the function of his/her cardiovascular system.

**142 Conditioning. (1)** A course emphasizing physical fitness and weight control. Much time is spent on conditioning exercises and their benefits. Correct posture is also covered.

**145 Pickleball. (1)** Indoor net game for beginners and advanced players alike.

**146 Court Sports. (1)** Beginning level skills, techniques, and rules used to play various court sports including but not limited to pickleball, team handball, badminton, and tennis.

**147 Weight Training. (1) (General Education/Human Well-Being)** Includes learning skills of beginning weight training through familiarity with various types of strength training machines.

**149 Stress Management and Relaxation Techniques. (1) (General Education/Human Well-Being)** Designed to help one learn causes, consequences of, and techniques for handling stress through a systematic mind-body approach. Progressive muscle relaxation, autogenic training, visualization, deep breathing, as well as other techniques will be taught to help relieve stress and muscle tension.

**150 Outdoor Sports. (1)** Beginning level skills, techniques, and rules used to play various field sports including but not limited to Frisbee, flag football, soccer, and softball.

**151 Basketball. (1) (General Education/Human Well-Being)** Includes basic skills, strategies, and rules for games of basketball.

**154 Football. (1)** Skills, strategy, and rules of play.

**155 Soccer. (1)** Skills, strategy, and rules of play.

**158 Volleyball. (1) (General Education/Human Well-Being)** Includes basic skills, strategies, and rules for the game of volleyball.

**170 Introduction to Exercise Science.**

(3) An introduction to concepts of physical wellness with an emphasis on fitness and eating strategies. Designed to help students develop an understanding of the field of Exercise Science.

**194 Introduction to Sports Health and Wellness. (1)**

Overview of allied health disciplines, legal guidelines, and ethical principles as related to sports health and wellness.

**208 Advanced Open Water Scuba. (2)**

Students will learn to navigate underwater and dive at night. Each student will also choose three scuba specialty areas to gain diving experience. Certification available, but not required. Must have a current scuba physical exam on file. *Prerequisite: KIN 108 or permission of instructor. Additional charge for this course.*

**247 Olympic Weightlifting. (1)** Designed to enhance the individual's power development and overall performance as well as increase his/her knowledge of plyometric training and Olympic lifting techniques.

**270 Motor Behavior. (3)** Introduction to psychomotor learning and theoretical models of skill acquisition. Selected topics will include neurological structure and function, theory of motor control, scheduling of practice, use of feedback, and motor coordination.

**271 Principles of Coaching. (3)** Theory and methodology relevant to coaching at any competitive level. Course content will focus on preparation for American Sport Education Program (ASEP) Certification credential necessary to coach scholastic sports in Illinois and other states.

**272 Coaching Practicum. (1)** 40 clock hours of observation and practice in coaching under direct supervision of scholastic or collegiate level coach. *Prerequisites: KIN 271.*

**286 Functional Anatomy and Physiology.**

(3) Introduction of principles and application of anatomy, physiology, and biomechanics for sport and physical activities.

**290 Anatomy & Physiology I. (3)** An examination of the structural organization and function of the human body with an emphasis on the integumentary, skeletal, muscular, nervous, and cardiovascular systems. *2 hrs. lect.; 2 hrs. lab.*

**291 Anatomy & Physiology II. (3)** A study of normal human anatomy and physiology. Topics include respiration, digestion, metabolism, urology, special senses, reproduction, and endocrinology. *2 hrs. lect.; 2 hrs. lab.*

**292 Palpatory Anatomy. (2)** This course will offer the student an opportunity to learn physical palpation skills. These skills are critical to an accurate and timely physical assessment within the practice of athletic training, physical

therapy, occupational therapy, exercise science, and fitness. *Prerequisite: KIN 290 or permission of instructor. 1 hr. lect.; 2 hrs. lab.*

**293 Manual Muscle Testing. (2)** This course will offer the student a practical experience in assessing muscular strength, endurance, and neurological deficits using manual testing procedures. These skills are critical within the practice of athletic training, physical therapy, occupational therapy, exercise science, and fitness. *Prerequisite: KIN 290 or permission of instructor. 1 hr. lect.; 2 hrs. lab.*

**294 Management of Athletic Injuries. (3)** The role of the coach in preventing sport injuries, recognizing injury mechanisms, and providing emergency care. Laboratory sessions emphasize wrapping, taping, and emergency first aid. Includes Red Cross First Aid and CPR training and certification. *Prerequisite: KIN 286 or 290 or permission of instructor. Additional charge for this course. 2 hrs. lect.; 2 hrs. lab.*

**300 Fitness for Older Adults and Special Populations. (3)** Development of leadership skills, assessment techniques, and program designs necessary to be an effective fitness professional for older adults and selected special populations (e.g., arthritis, asthma, obesity, fibromyalgia, etc.). Students will be involved in hands-on learning. *Prerequisites: KIN 170, 290, 391, and CPR certification; or permission of instructor. Additional charge for this course.*

**308 Scuba Diving Specialties. (2, repeatable to 4)** Instruction in rescue and at least two other diving specialties (e.g., deep, night, dry suit, ice, cave, wreck) within the realm of recreational scuba diving. Certification available, but not required. Must have a current scuba physical exam on file. *Prerequisites: KIN 208 with certification or permission of instructor. Additional charge for this course.*

**319 Exercise Psychology and Stress Management. (3)** Theories, concepts, and principles of exercise psychology and stress management will be covered with focus on skills necessary to be an effective exercise psychologist and fitness and wellness professional of stress management techniques. *Prerequisite: junior or senior status.*

**343 Cardiovascular Exercise Principles and Assessment. (3)** Development of leadership skills and assessment techniques for cardiovascular exercise. Principles will focus on the theories and skills necessary to develop and lead appropriate cardiovascular programs. *Prerequisite: KIN 170, 391.*

**346 Candidate Physical Ability Test Preparation for Firefighters. (2)** The knowledge and physical activities required for the successful completion of the Candidate Physical Ability Test for firefighters will be simulated and practiced in this course. *Prerequisites: FS 300, 301, or permission of instructor.*

**347 Strength and Conditioning Principles and Methods. (3)** Development of leadership skills and assessment techniques for resistive exercise. Principles will focus on the skills necessary to be an effective fitness professional of resistive exercise and other weight training techniques. *Prerequisites: junior or senior status.*

**359 Sport Psychology. (3)** An introduction to sport psychology theories and research including application to performance enhancement. Selected topics include motivation, confidence, stress and anxiety, team dynamics, performance enhancement, and professional and ethical issues. *Prerequisite: junior or senior status.*

**369 Motor Development. (3)** A study of the process of change in perception, acquisition, and performance of physical skills across the lifespan. *Prerequisites: KIN 270. 2 hrs. lect.; 2 hrs. lab.*

**370 Advanced Techniques of Performance/Management. (1, repeatable to 6 for different subjects/performance)** *Prerequisite: permission of instructor. Graded S/U only.*

**384 Field Experience in Sports Health I. (1, repeatable to 2)** Minimum of 30 hours at an assigned on-campus field experience with a focus in sports health and wellness, providing care to student-athletes during practices or events while under the supervision of an Athletic Trainer. *Prerequisite: KIN 294 or permission of instructor.*

**391 Physiology of Exercise. (3)** A study of the physiological responses to exercise including acute effects, training adaptations, and health related benefits. Specific topics covered include exercise metabolism, neurological and endocrine regulation of exercise, cardiovascular and respiratory physiology, environmental influences, and ergogenic aids. *Prerequisite: KIN 290. Laboratory charge for this course. 2 hrs. lect.; 2 hrs. lab.*

**392 Biomechanics. (3)** The integrated study of applied anatomy and applied mechanics to the analysis of human motion. *Prerequisite: KIN 290 and MATH 123 or higher. 2 hrs. lect.; 2 hrs. lab.*

**396 Surface Palpations and Manual Muscle Testing. (2)** Hands-on assessment of anatomical landmarks and muscle function through palpation and manual muscle testing skills. These skills are critical within the practice of athletic training, physical therapy, occupational therapy, and exercise science. *Prerequisite: KIN 286 or equivalent, or permission of instructor.*

**397 Injury Recognition. (3)** Instruction on how to recognize an injury and understand the severity using appropriate classifications. Common terminology unique to the sports healthcare world will be addressed. *Prerequisite: KIN 294 or permission of instructor.*

**400 Internship. (12)** An internship in an approved program; designed as laboratory field experiences for practical application of knowledge and theory in a professional setting. *Prerequisite: 2.5 GPA in the major, C- or better in all KIN coursework, and permission of instructor.*

**401 Senior Seminar in Exercise Science. (2)** Practical and theoretical information for professional career situations. *Prerequisites: senior standing; Exercise Science major.*

**408 Divemaster. (2, repeatable to 4)** Students complete supervised dives, perform dive briefings, act as safety/rescue divers, and lead underwater tours to learn to be responsible Divemasters and eligible for employment. Must have a current scuba physical exam on file. Divemaster certification available, but not required. *Prerequisites: KIN 308, Dive Rescue*

# Kinesiology

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*certification, or permission of instructor. Additional charge for this course.*

**440 Exercise Stress Testing. (3)** Designed to provide an in-depth study of the theories, concepts, procedures, and techniques of exercise stress testing. *Prerequisites: KIN 391 and CPR Certification. Additional charge for this course.*

**444 Exercise and Wellness Programming. (3)** Administration of exercise science and wellness programming with special attention given to leadership skills and assessments necessary to direct exercise and wellness programs. *Writing Instruction in the Disciplines (WID) course. Prerequisites: senior standing, KIN 440, and ENG 280.*

**450 Professional Workshops in Sport and Exercise. (1-3, repeatable to 6)** Examination and analysis of current topics, trends, or problems in sport and exercise. Content varies according to contemporary issues. *Prerequisite: junior standing or permission of instructor.*

**451 Basketball Coaching. (2)** Beginning and advanced strategies for coaching basketball at the high school and collegiate levels.

**454 Football Coaching. (2)** Beginning and advanced strategies for coaching football.

**459 Individual/Team Sport Coaching. (2, repeatable to 4 for different topics)** Beginning and advanced strategies for coaching individual or team sports other than basketball, football, or volleyball (e.g., tennis, golf, swimming, soccer, baseball, softball, or track and field). *Prerequisite: junior or senior standing.*

**460 Observation and Practice. (1, repeatable to 2 for different topics)** Preservice practical experiences in Kinesiology activity courses under the supervision of staff. *Prerequisite: permission of instructor.*

**463 Personal Training. (2)** Provides practical application of theoretical information in personal training for Exercise Science students. *Prerequisites: 2.5 GPA in major and senior status—majors only.*

**464 Field Experience in Exercise Science. (1)** A 30-hour field experience in Exercise Science settings for the practical application/observation of theory and skills. *Prerequisites: junior or senior standing and permission of instructor.*

**466 Organization and Administration of Athletic Teams. (3)** Study of administrative principles, policies, laws, and ethics as they relate to budget, finance, equipment, staff, facilities, and public relations for the management and promotion of athletic teams. *Prerequisite: junior or senior standing.*

**470 (Cross-listed with WS 470) Gender and Sport. (3)** Examines relationships between gender, sport, and physical activity. Gender is examined within the context of stereotypes and the structure/philosophy of sport and physical activity. Sport and physical activity are investigated as social institutions relative to cultural constructions of gender. *Not open to students with credit in WS 470. Prerequisite: WS 190 or permission of instructor.*

**471 Practicum in Coaching. (1)** 40 clock hours of observation and practice under the supervision of a middle school or high school teacher, coach,

or outside agency administrator. *Prerequisites: KIN 451, 454, or 459, and permission of instructor. Observation and coaching will be required in an outside setting.*

**472 Coaching Internship and Capstone. (3)** A 120 clock hour coaching capstone experience under the supervision of a coach and university supervisor. Students will help prepare a team for competition, manage a team culture, and evaluate athlete performance. *Prerequisite: KIN 272.*

**473 Practicum in Adapted Physical Activity Motor Clinic. (1, repeatable to 4)** Interdisciplinary practicum experience (30 hours per semester) working with PreK-12 students with disabilities in a physical activity setting. Students will get hands-on experiences along with opportunities for collaboration with undergraduate and graduate students from various majors across campus. *Prerequisites: SPA 381, SPA 385, PETE 393, PSY 221, RPTA 251, SPED 210, or permission of instructor.*

**484 Field Experience in Sports Health II. (1, repeatable to 2)** Minimum of 30 hours at an assigned on- or off-campus field experience with a focus on sports health and wellness, providing care to student-athletes during practices or events while under the supervision of an Athletic Trainer. *Prerequisite: KIN 294 and 384, or permission of instructor.*

**485 Independent Study. (1-3, repeatable to 3 for different topics)** Individualized study of a particular topic or problem in the field of Kinesiology. *Prerequisite: permission of instructor. Student must secure approval for independent study prior to semester registration.*

**490 Honors Thesis in Kinesiology. (3)** Independent thesis project resulting in a substantial original research paper and oral presentation. Students will work under the direction of one or more members of the Kinesiology Department faculty who will oversee and evaluate the project. *Prerequisites: junior or senior honors major in Kinesiology, with good standing in the Centennial Honors College. Approval of thesis advisor(s).*

**493 (Cross-listed with RPTA 493) Sport and Recreation for Individuals with Disabilities. (3)** The course will provide students with information about sport and recreation opportunities for individuals with disabilities across the lifespan at all levels from community programs to elite levels of competition. *Not open to students with credit in RPTA 493. Prerequisite: PETE 393, RPTA 251, or consent of instructor. Laboratory charge for course and field trip is required.*

**494 Advanced Techniques for Injury Management. (3)** Techniques in sports health and wellness for advanced emergency care, rehabilitation of injuries, and application of protective equipment. *Prerequisite: KIN 294 or permission of instructor.*

**496 Advanced Sports Health and Wellness. (2)** Concepts covering general medical conditions, pharmacology, target populations, and crisis management in the sports health and wellness industry. *Prerequisite: junior standing or permission of instructor.*

## NUTRITION (NUTR)

**109 Introduction to Nutrition. (3) (General Education/Human Well-Being)** Basic principles of human nutrition related to maintenance of optimum nutritional status.

**203 Child Nutrition. (2)** Evaluation of the nutrition needs and problems of children and examination of the foodservice and nutrition components in programs designed for children. Activities outside of class may be required. *Prerequisite: NUTR 109.*

**206 Nutrition and Foodservice Management Practicum. (3)** A course designed to give students practicum experience in the nutrition and/or foodservice management industries. *Prerequisites: ServSafe Manager Certificate, NUTR 109, and NUTR 220.*

**209 Intermediate Nutrition. (3)** Presents an intermediate-level overview of the digestion and metabolism of the macronutrients. Reviews descriptive and analytic research methods and basic statistics. *Prerequisite: NUTR 109.*

**220 Foods and Nutrition. (3)** This course will introduce students to basic cooking techniques and cost analysis while evaluating menu items for nutrition quality and allergens. *Offered online only.* *Prerequisites: NUTR 109; ServSafe Food Manager certification or permission of instructor.*

**300 Food and Culture. (3) (General Education/Multicultural Studies) (Global Issues)** Overview of the socio-cultural aspects of food and habits. The study of the cultural influences on food in different global societies including nourishment, health beliefs and practices, religion, cross-cultural communication, and health status outcomes. *Prerequisites: junior standing or permission of instructor.*

**301 Food Science Theory and Applications. (3)** Basic food science principles and applications in the field of dietetics. *Prerequisites: NUTR 109, 220; CHEM 101; or permission of instructor. 2 hrs. lect.; 3 hrs. lab.*

**305 Nutrition Throughout the Life Span. (3)** Evaluation of nutritional needs and problems and identification of community nutrition programs for individuals at different stages of the lifespan. *Prerequisite: NUTR 109. Activities outside of class may be required.*

**306 Nutrition Science I. (3)** A study of the physiological and biochemical aspects of nutrition. *Prerequisites: NUTR 209; CHEM 101 and 102.*

**308 Nutrition for the Older Adult. (3)** Evaluate the nutrition needs and problems of older adults, and examine the foodservice and nutrition components in programs designed for older adults. *Prerequisite: NUTR 109.*

**320 Nutrition in Quantity Foods Management I. (3)** Culinary math, menu planning, and procurement aspects associated with quantity food production and service in nutrition-related foodservice settings. *Offered online only.* *Prerequisites: NUTR 109, 220; ServSafe Food Manager certification or permission of instructor.*

**379 Nutrition Travel Studies. (3)** Studies of international and domestic properties, facilities, and agencies related to the nutrition industry. *Prerequisite or corequisite: NUTR 109.*

**404 Nutrition Assessment. (3)** Methods of screening and assessment of nutritional status including clinical, biochemical, and anthropometric measurements. *Prerequisite: NUTR 209.*

**405 Nutrition Science II. (3)** Biochemical and physiological basis of nutrients in metabolism and their interrelations. Research methodology used in nutrition. *Prerequisite: NUTR 306.*

**406 Medical Nutrition Therapy I. (3)** A study of the physiological and biochemical basis for using therapeutic diets for cardiovascular disease, diabetes, and renal conditions among others. *Prerequisite: NUTR 404.*

**407 (Cross-listed with HS 407) Methods and Techniques for Health-Related Communication and Education. (3)** Theories and methods for changing lifestyle behaviors. Development of professional health communication and education skills. *Not open to students with credit for HS 407.* *Prerequisite or Corequisite: junior standing or permission of instructor.*

**408 (Cross-listed with HS 408) Community Nutrition and Health Program Development. (3)** Development and evaluation of nutrition and health programs for the community. *Writing Instruction in the Disciplines (WID) course.* *Not open to students with credit for HS 408.* *Prerequisites: ENG 180 and 280. Activities outside of class may be required.*

**409 Dietetics Practicum. (2)** Practicum provides students with the opportunity to experience various aspects of dietetics including clinical, foodservice management, and community nutrition in a practical setting. *Prerequisites: junior standing or permission of the instructor.*

**410 Medical Nutrition Therapy II. (3)** A study of the physiological and biochemical basis for using therapeutic diets for GI disorders, pulmonary diseases, and cancer among others. *Prerequisites: NUTR 404.*

**411 (Formerly NUTR 304) (Cross-listed with HS 411) Principles of Epidemiology and Health Informatics. (3)** Methods of epidemiologic investigation and research. Locating professional literature, evaluating research, and evidence-based practice. *Not open to students with credit for HS 411.* *Prerequisite: STAT 171. Prerequisite or Corequisite: HS 410 or permission of instructor.*

**420 Nutrition in Quantity Foods Management II. (3)** Application of financial aspects needed to facilitate foodservice or nutrition service operations including budgeting, staffing, and leadership styles. *Offered online only.* *Prerequisites: NUTR 320, math competency, and senior standing; or permission of instructor.*

**438 Nutrition Pre-Internship. (1)** Researching accredited dietetic internships. Completion of DICAS application and other professional documents. *Prerequisite: permission of instructor.*

**440 Nutrition and Foodservice Management Internship. (9)** Supervised field experience for application of theory and skills in an agency or property approved by the department. *Prerequisites: senior standing; NUTR 438; GPA of 2.5 in four of the following courses: NUTR 420, HM 354, HM 451, NUTR 209, NUTR/HS 408; site approved by department; approval of internship coordinator or department chair. Graded S/U only.*

# Kinesiology

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**450 Professional Workshops in Nutrition.** (1-3, repeatable with no maximum) These courses are intended for majors in Nutrition and Foodservice Management, minors in Nutrition, and others interested in the field. They are offered in the topic areas of Healthy Cooking (1 s.h.), Sports Nutrition (2 s.h.), and Weight Management (1 s.h.). *Prerequisite: NUTR 109 or permission of instructor.*

## **PHYSICAL EDUCATION TEACHER EDUCATION (PETE)** **Formerly KINESIOLOGY (KIN)**

**115 (Formerly KIN 115) Social Dance Forms.** (1) Basic fundamentals of ballroom movement. Beginning levels in Fox Trot, Lindy, Waltz, Polka, and country western dances. *Not open to students with credit in PETE 120.*

**120 Contemporary Social Dance.** (3) Common and specialized content knowledge and skills needed to instruct dance traditions representing diverse cultures' unique forms of self-expression are learned in order to instruct PreK-12 learners about historical and contemporary social dance. *Grade of C- or better required. Not open to students with credit in PETE 115. Prerequisite: Physical Education Teacher Education major.*

**124 (Formerly KIN 124) Educational Gymnastics.** (1) Performance and analysis of educational gymnastics skills appropriate for children. *Prerequisite: Physical Education Teacher Education major.*

**135 (Formerly KIN 135) Lifelong Leisure Activities.** (2) Surveys contemporary noncompetitive activities suitable for participation throughout the lifetime. Examples include hiking, walking, rope challenge course, and adventure activities. *Prerequisite: Physical Education Teacher Education major.*

**145 International Net/Wall Games.** (3) Common and specialized content knowledge and skill development in movement concepts and tactics associated with games where a ball is sent to a wall or over a net (e.g., tennis, badminton, volleyball). *Grade of C- or better required. Not open to students with credit in PETE 226. Prerequisite: Physical Education Teacher Education major.*

**155 International Invasion Games.** (3) Common and specialized content knowledge and skill development in movement concepts and tactics associated with invasion games (e.g., basketball, soccer, flag football, floor hockey). *Grade of C- or better required. Not open to students with credit in PETE 251. Prerequisite: Physical Education Teacher Education major.*

**160 (Formerly KIN 160) Introduction to Physical Education.** (2) Introductory course in Physical Education that presents educational and professional responsibilities and foundations of Physical Education. Designed to help students considering a career in Physical Education to formalize their decision to study Physical Education. *Requires 10-hour field experience.*

**215 Creative Performance Activities.** (3) Theory and practice of instructing creative performance activities (e.g., gymnastics, creative dance, and circus arts). Common and specialized content knowledge of creative performance activities will include choreographing routines,

basic biomechanical principles, motor learning, motor development, and physical education pedagogical theory. *Grade of C- or better required. Prerequisite: Physical Education Teacher Education major.*

**225 Contemporary Fitness Activities.** (3) Common and specialized content knowledge and skill in traditional (calisthenics resistance training), group (e.g., dance and step aerobics, Zumba, kickboxing, spinning), and contemporary fitness activities (yoga, Pilates, Tai Chi). *Grade of C- or better required. Not open to students with credit in PETE 252. Prerequisite: Physical Education Teacher Education major.*

**226 (Formerly KIN 226) Net/Wall Games.** (2) Content knowledge and skill development in movement concepts and tactics associated with games where a ball is sent to a wall or over a net (e.g., tennis, badminton, volleyball). Development of resource notebook required. *Not open to students with credit in PETE 145. Prerequisite: Physical Education Teacher Education major.*

**235 Aquatics.** (2) Theory and practice of instructing aquatic skills and activities, as well as basic management practices. Common and specialized content knowledge of aquatics will include hydrodynamic concepts, motor learning, motor development, and physical education pedagogical theory. *Grade of C- or better required.*

**245 International Target/Field Games.** (3) Common and specialized content knowledge and skill development in movement concepts and tactics in games where balls are pitched, hit, fielded (baseball, softball, cricket) or where the objective is to place an object into a target (bowling, golf). *Grade of C- or better required. Not open to students with credit in PETE 253. Prerequisite: Physical Education Teacher Education major.*

**249 Foundations in Assessment-Driven Physical Education.** (3) Theoretical foundations for performing assessment to be applied to sound Physical Education lessons that address all learners' needs. The course includes creating and implementing assessments that align with state and national standards, instructional goals, and learning experiences. *Grade of C- or better required. Not open to students with credit in PETE 250.*

**250 (Formerly KIN 250) Instructional Foundations in Physical Education.** (2) Theoretical and philosophical foundations of instruction and learning in Physical Education with opportunities to apply these essential concepts. *Grade of C- or better required. Not open to students with credit in PETE 249. Prerequisites: KIN 270; PETE 160.*

**251 (Formerly KIN 251) Invasion Games.** (2) Content knowledge and skill development in movement concepts and tactics associated with invasion games (e.g., basketball, soccer, flag football, floor hockey). Development of resource notebook required. *Not open to students with credit in PETE 155. Prerequisite: Physical Education Teacher Education major.*

**252 (Formerly KIN 252) Contemporary Physical Activities.** (1) Content knowledge and skill in movement concepts associated with contemporary physical activities (e.g., yoga, Pilates, tai chi). Development of resource

notebook required. *Not open to students with credit in PETE 225. Prerequisite: Physical Education Teacher Education major.*

**253 (Formerly KIN 253) Target/Field Games.** (2) Content knowledge and skill development in movement concepts and tactics in games where balls are pitched, hit, and fielded (baseball, softball) or where the objective is to place an object into a target (bowling, golf). Development of resource notebook required. *Not open to students with credit in PETE 245. Prerequisite: Physical Education Teacher Education major.*

**255 (Formerly KIN 255) Elementary Movement Fundamentals.** (2) Development of knowledge and skill in fundamental movement skills, movement concepts, and basic elements of dance. Designed to provide a content base for elementary school Physical Education programs. *Prerequisite: PETE 160.*

**265 (Formerly KIN 265) Assessment-Driven Physical Education.** (2) Creating assessments to inform instruction for learners with a wide array of skills and abilities. The course includes knowledge and skills in data organization, storage, analysis, and theoretically sound instructional methods to effectively instruct developmentally appropriate physical education lessons. *Grade of C- or better required. Prerequisite: PETE 249 or 250.*

**325 (Formerly KIN 325) Principles of Health-Related Fitness for the Physical Educator.** (3) Principles of health-related fitness and policies of wellness in school-based Physical Education programs. Focusing on application, development, assessment, and teaching of cardiovascular and strength training principles. *Prerequisite: Physical Education Teacher Education major or Coaching minor. 2 hrs. lect.; 2 hrs. lab.*

**360 (Formerly KIN 360) Methods of Elementary Physical Education.** (2) Introduction to teaching Physical Education in K-5. Designed especially for the elementary classroom teacher candidate. May include some field experiences and outside teaching assignments. *Not open to Kinesiology majors.*

**364 Physical Education for Elementary Grades Field Experience.** (1) Instruct lessons in an authentic elementary learning environment based upon current physical education pedagogical theory. Supervision, guidance, and feedback to the teacher candidate by the course instructor at the school. *Grade of C- or better required. Prerequisite: Physical Education Teacher Education major. Corequisite: PETE 365.*

**365 (Formerly KIN 365) Physical Education Methods for Elementary Grades.** (3) Planning, implementing, and reflecting upon lessons instructed to elementary learners (PreK-6) that are developmentally appropriate. Information will focus on management, content development, learner engagement, and diversifying instruction

for individual learners. *Grade of C- or better required. Prerequisite: PETE 265. Corequisite: PETE 364. Additional charge for this course. 3 hrs. lect.*

**393 (Formerly KIN 393) Adapted Physical Education.** (3) Characteristics of individuals with disabilities across the lifespan. Emphasis on modifications and instructional strategies for physical activity in the physical education, recreation, sports, and fitness settings. Includes clinical experience. *Grade of C- or better required for Teacher Education majors. Prerequisite: junior or senior standing. Additional charge for this course. 2 hrs. lect.; 2 hrs. lab.*

**395 (Formerly KIN 395) Assessment in Adapted Physical Education.** (2) Content centered on purposes, methods, appropriate tools, and processes of assessment (referral, screening, assessment, program implementation, and evaluation) for individuals with disabilities. The focus of the assessment will be in the areas of motor skills and physical fitness. *Prerequisites: PETE 265 and 393.*

**438 Physical Education Secondary Grades Field Experience.** (1) Instruct lessons in an authentic secondary learning environment based upon current physical education pedagogical theory. Supervision, guidance, and feedback to the teacher candidate by the course instructor at the school. *Grade of C- or better required. Prerequisites: ENG 280 and Physical Education Teacher Education major. Corequisite: PETE/EDUC 439.*

**461 (Formerly KIN 461) Field Experiences.** (1) 30-hour observation and teaching experience in area K-12 Physical Education programs with on-campus seminars sessions. *Grade of C- or better required. Prerequisite or Corequisite: EDUC 439 in the Department of Kinesiology and PETE 477; fully accepted in the Teacher Education Program (TEP). Additional charge for this course.*

**477 (Formerly KIN 477) Physical Education Curriculum.** (3) Planning, sequencing, implementing, and evaluating developmentally appropriate and standards driven Physical Education curricula in K-12 Physical Education programs. *Writing Instruction in the Disciplines (WID) course. Prerequisites: acceptance into the Teacher Education Program (TEP); ENG 280. Corequisite: PETE 461.*

## (Physical Education Methods)

**439 Secondary Physical Education Methods.** (3) Planning, implementing, and reflecting upon lessons instructed to secondary students (gas 6-12) that are developmentally appropriate. Information will focus on management, motivation, learner engagement, and diversifying instruction for individual learners. *Grade of C- or better required. Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280 PETE 365. Corequisite: PETE 438. 3 hrs. lect.*

# **Law Enforcement and Justice Administration**

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## **Program Offerings and Locations**

- Bachelor of Science in Emergency Management: Macomb, Online
- Bachelor of Science in Fire Protection Services: Macomb, Online (Fire Administration option)
- Bachelor of Science in Law Enforcement and Justice Administration: Macomb, Quad Cities, Online
- Minor in Corrections: Macomb, Online
- Minor in Criminalistics: Macomb
- Minor in Emergency Management: Macomb, Online
- Minor in Emergency Management—Operational: Macomb, Online
- Minor in Emergency Management—Tactical: Macomb, Online
- Minor in Fire Administration: Macomb, Online
- Minor in Fire Science: Macomb, Online
- Minor in Homeland Security: Macomb, Online
- Minor in Law Enforcement and Justice Administration: Macomb, Quad Cities, Online
- Minor in Legal Studies: Macomb, Quad Cities
- Minor in Security Administration: Macomb, Quad Cities, Online

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Alexander, Bailey, Bitner, Brewer, Butts, Daugherty, Ekici, Greene, Henning, Johnson, Kelly, Lough, McBride, McCrary, Meloni, Mhlanga, Myers, Schafer, Schwartz, Schweitzer, Sergenvin, Stinson, Walton, Young.

## **Adjunct Faculty**

Bichsel, Greene, Miller, Pristera, Villasenor, Watts.

## **Academic Advisors**

Dorsett, Eskridge, Moreno, Wilson

## **GradTrac**

GradTrac is available to Law Enforcement and Justice Administration, Emergency Management, and Fire Protection Services majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors

# Law Enforcement and Justice Administration

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includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Integrated Baccalaureate and Master's Degree Programs

Two integrated baccalaureate and master's degree programs are available for the Bachelor of Science in Law Enforcement and Justice Administration: Master of Arts in Public Safety Administration and Master of Business Administration. An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Emergency Management: Master of Arts in Public Safety Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## School Information

The **Law Enforcement and Justice Administration** degree program is designed to provide professional knowledge, understanding, and skills for criminal justice, public safety, emergency management, loss prevention, and fire personnel and, at the same time, develop an educational base for further development into staff and administrative positions in criminal justice, public safety, emergency management, and private security agencies. The program allows the student ample flexibility for liberal and professional education to meet the anticipated needs of the criminal justice, public safety, and fire networks. Most majors in the program participate in an internship for one academic semester to gain firsthand acquaintance with criminal justice/public safety agencies or organizations at the federal, state, county, or local level. Some work with agencies and entities at the international level. Graduates find employment in city, county, state, and federal agencies, in private security, in fire service, in adult and juvenile court services, and in legal and legislative capacities.

The **Emergency Management** degree program will prepare students to become future leaders who will create and administer emergency plans, coordinate disaster response, and develop and utilize communication networks for addressing natural catastrophes (tornadoes, floods, earthquakes, and hurricanes), technological disasters (hazardous materials spills and nuclear power plant emergencies), and weapons of mass destruction incidents.

## Selection/Retention Policy

1. All students are required to take the following LEJA core courses, or their equivalents: LEJA 101, 201, 212, 255, 303, 306, 312, 345, and 357. Students must complete each course with a grade of C or better.
2. All students are required to take the following LEJA core courses, or their equivalents, before being eligible for an LEJA internship (must have earned 60 hours): LEJA 101, 201, 212, and 255; or approval from the Director.
3. LEJA majors must establish and maintain a 2.25 cumulative GPA and 2.50 GPA in the LEJA major to apply for and be assigned an internship.
4. Students having double majors of LEJA and another major are held to the same standards in LEJA as other LEJA majors.

# **Law Enforcement and Justice Administration**

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## **Degree Programs**

### **Bachelor of Science—Law Enforcement and Justice Administration**

All students seeking the Bachelor of Science in Law Enforcement and Justice Administration must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. LEJA majors must complete at least 30 s.h. in LEJA courses at WIU (including internship); at least 9 s.h. must be at the 300/400 level (no more than 3 s.h. LEJA 404).

- |      |   |            |
|------|---|------------|
| I.   | University General Education Curriculum (p. 69) .....   | 43 s.h.    |
|      | Students must take one of the following mathematics courses before they are allowed to take LEJA 303: any WIU or IAI General Education mathematics courses, or permission of the instructor.  |            |
| II.  | Core Courses.....   | 39 s.h.    |
|      | LEJA 101, 201, 212, 255, 303, 306, 312, 345, 357, 490 (9 s.h.), 491, 497  |            |
| III. | Directed Electives.....   | 3 s.h.     |
|      | Any one of the following: LEJA 440†, 441†, 442†, 443†, 444†   |            |
| IV.  | Other Requirements  |            |
| A.   | Any approved minor .....  | 16–24 s.h. |
| B.   | Electives (number of hours depends on choice of minor).....   | 11–19 s.h. |
| #    | The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program. |            |
| †    | LEJA 440 or 441 or 442 or 443 or 444 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.  |            |

### **Bachelor of Science—Emergency Management**

All students seeking the Bachelor of Science in Emergency Management must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C (2.0) or better is required in all Core Courses, Directed Electives, and their required prerequisites to complete the Emergency Management major. Students must have an overall GPA of 2.00 and major GPA of 2.50 to enroll in EM 490, a required course for the major. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in Emergency Management.

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|------|--|------------|
| I.   | University General Education Curriculum (p. 69) .....  | 43 s.h.    |
| II.  | Core Courses.....  | 43 s.h.    |
|      | EM 276, 304, 305†, 323, 324, 401, 460, 465, 480, 490, 491; FS 303; GIS 202   |            |
| III. | Any Approved Minor.....  | 16–21 s.h. |
| IV.  | Open Electives .....   | 13–18 s.h. |
| #    | The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; or 3) an approved Study Abroad program. |            |
| *    | May count toward completion of the University General Education requirement.   |            |
| †    | EM 305 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.   |            |

# Law Enforcement and Justice Administration

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## Bachelor of Science—Fire Protection Services

All students seeking the Bachelor of Science in Fire Protection Services must complete I, II, and III.A, III.B, or III.C below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** Students enrolled in this major may not minor in Fire Science.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	18 s.h.
	FS 210, 211, 212, 303, 345, 485†, 499	
III.	Options of Study (select A, B, or C) .....	59 s.h.
A.	Fire Administration (Comprehensive)	
1.	Special Courses .....	30 s.h.
	EM 477, 478; FS 300, 481, 482, 483, 484, 488; SOC 487, 488	
2.	Directed Electives.....	6 s.h.
	Select 6 s.h. from the following list of courses: EM 461; FS 443, 444, 486; HRM 353, 443; HS 400; LEJA 231; POLS 300, 302	
3.	Open Electives .....	23 s.h.
B.	Fire Science (Comprehensive)	
1.	Special Courses .....	27 s.h.
	FS 301, 302, 444, 486, 487, 490; FS 491 or 492	
2.	Directed Electives.....	8 s.h.
	Select 8 s.h. from the following courses: EM 251, 252; FS 101, 102, 103; KIN 208, 308, 346, 408; LEJA 231	
3.	Open Electives.....	24 s.h.
C.	Fire Medic (Comprehensive)	
1.	Special Courses .....	36 s.h.
	FS 101, 102, 103, 301; EM 353, 354, 355, 356, 357	
2.	Directed Electives.....	8 s.h.
	Select 8 s.h. from the following courses: EM 251, 252; FS 302; FS 490 and 491; KIN 208, 346	
3.	Open Electives .....	15 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	FS 485 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## Minors

Minor in Corrections .....	24 s.h.
1. LEJA 101, 201, 202, 313, 442 .....	15 s.h.
2. Choose three courses from the following: AAS 251; ECON 350; LEJA 444; PSY 250, 251, 334, 424; SOC 300, 424, 435, 455;	
SW 332 .....	9 s.h.

# **Law Enforcement and Justice Administration**

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## **Minor in Criminalistics.....18 s.h.**

Plan A—Minor in Criminalistics for students whose major is Law Enforcement and Justice Administration

1. LEJA 212, 355, 412, 455 ..... 12 s.h.
2. Choose 6 s.h. from the following courses: ..... 6 s.h.  
ANTH 405; ARTS 140, 246; CHEM 101, 440; COMM 305, 341, 344, 377; CS 305, 395, 455; EM 460, 465; ENG 380; EOS 311; FS 486; GIS 403; IDT 433; LEJA 415

Plan B—Minor in Criminalistics for students whose major is other than Law Enforcement and Justice Administration

1. LEJA 212, 255, 355, 455 ..... 12 s.h.
2. Choose 6 s.h. from the following courses: ..... 6 s.h.  
ANTH 405; ARTS 140, 246; CHEM 101, 440; COMM 247, 305, 341, 344, 377; CS 305, 395, 455; EM 460, 465; ENG 380; EOS 311; FS 486; GIS 403; IDT 433; LEJA 415

## **Minor in Emergency Management.....18 s.h.**

1. Required Courses: EM 276, 304, 323, 401 ..... 12 s.h.
2. Electives: EM 251, 252, 425, 461, 470, 477, 478; FS 210; GEOG 430; GIS 202; HS 400; POLS 300 ..... 6 s.h.

## **Minor in Emergency Management—Operational.....17-23 s.h.**

Plan A—Minor in Emergency Management—Operational for students whose major is Emergency Management

Choose 6 of the following courses: ..... 17-21 s.h.  
EM 251, 252, 441, 461, 465, 478; GEOL 310; GIS 201; LEJA 208, 309; METR 220

Plan B—Minor in Emergency Management—Operational for students whose major is other than Emergency Management

1. Choose 3 of the following courses: ..... 9-10 s.h.  
EM 276, 304, 323; GIS 202
2. Choose 3 of the following courses: ..... 8-13 s.h.  
EM 251, 252, 276, 304, 323, 401, 441, 461, 465, 478; GEOL 310; GIS 201, 202; LEJA 208, 309; METR 220

## **Minor in Emergency Management—Tactical.....18-23 s.h.**

Plan A—Minor in Emergency Management—Tactical for students whose major is Emergency Management

Choose 6 of the following courses: ..... 18-21 s.h.  
EM 251, 252, 441, 465, 478; FS 211, 303; LEJA 208, 230, 231, 309, 414, 416

Plan B—Minor in Emergency Management—Tactical for students whose major is other than Emergency Management

1. Choose 3 of the following courses: ..... 9-10 s.h.  
EM 276, 304, 323; GIS 202
2. Choose 3 of the following courses: ..... 9-13 s.h.  
EM 251, 252, 276, 304, 323, 401, 441, 460, 465, 478; FS 211, 303; GIS 202; LEJA 208, 230, 231, 309, 414, 416

## **Minor in Fire Administration.....18 s.h.**

1. FS 481, 482, 483, 485 ..... 12 s.h.
2. Any two of the following: FS 300, 345, 443, 444, 484, 488; HRM 353, 443; POLS 300, 302; SOC 487, 488 ..... 6 s.h.

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## Minor in Fire Science ..... 18 s.h.

**Note:** This minor is not open to students majoring in Fire Protection Services.

1. FS 210, 212, 301, 444 ..... 12 s.h.
2. Choose at least 6 s.h. from the following courses: EM 251, 252, 323, 461, 478; FS 302, 345, 443, 484, 486, 487, 488; LEJA 230, 231; SOC 487, 488 ..... 6 s.h.

## Minor in Homeland Security ..... 18 s.h.

**Note:** Sophomore standing required to declare a minor in Homeland Security.

1. LEJA 230, 231, 414, 416 ..... 12 s.h.
2. Choose two courses from the following: BC&J 400; CS 455; DS 435; ECON 310; EM 401, 460, 461, 465, 478; EOS 377; LEJA 332, 333, 415; POLS 353; REL 456; SOC 462 ..... 6 s.h.

## Minor in Law Enforcement and Justice Administration ..... 18 s.h.

1. LEJA 101, 212, 306 ..... 9 s.h.
2. Any one of the following: LEJA 440, 441, 442, 443, 444 ..... 3 s.h.
3. LEJA Electives ..... 6 s.h.

**Note:** At least 6 s.h. of LEJA coursework must be taken from WIU, excluding LEJA 404.

## Minor in Legal Studies ..... 18 s.h.

**Note:** The Legal Studies minor is not open to Law Enforcement and Justice Administration majors.

1. LEJA 212, 312, 412, 441 ..... 12 s.h.
2. Choose any two of the following: B L 230, 431, 432; LEJA 413, 414, 415; FS 485 ..... 6 s.h.

## Minor in Security Administration ..... 18 s.h.

**Plan A—**Minor in Security Administration for students whose major is Law Enforcement and Justice Administration

1. Core Requirements: LEJA 208, 309, 413, 443 ..... 12 s.h.
2. Electives ..... 6 s.h.  
Choose 6 s.h. from the following courses: ACCT 201, 202; CS 305, 455; FIN 449, 452; EOS 270, 311, 377; ET 448; HM 453; HRM 353, 443; FS 210; LEJA 430; MGT 349; MKTG 327, 343

**Plan B—**Minor in Security Administration for students whose major is other than Law Enforcement and Justice Administration

Core Requirements: LEJA 101, 208, 255, 309, 413 (note prerequisites), 443 ..... 18 s.h.

## Course Descriptions

### LAW ENFORCEMENT AND JUSTICE ADMINISTRATION (LEJA)

#### 101 Survey of Criminal Justice. (3)

Administration of justice in the United States with emphasis on the total system of police, courts, corrections; loss prevention, and principles of law. *LEJA majors must earn a grade of C or better in this course.*

*IAI: CRJ 901.*

**201 Juvenile Justice. (3)** Definitions of delinquent behavior; development and trends in the juvenile court movement; laws and procedures; the adjudication process—philosophy and practices; causation, prevention, treatment, and control. *LEJA majors must earn a grade of C or better in this course.*

*Prerequisite: LEJA 101 with a grade of C or better.  
IAI: CRJ 914.*

**202 Introduction to Corrections. (3)** Study of the history, theory, and practice of probation, parole, and correctional institutions, exploration of punishment rehabilitation, and correctional policies. *Prerequisite: LEJA 101 with a grade of C or better; permission of the instructor.*

**205 Traffic Administration. (3)** Basic principles of traffic control, education, engineering, and enforcement; practical applications to traffic control and administration; current research techniques. *Prerequisite: LEJA 101 with a grade of C or better.*

**208 Security Methods and Technologies. (3)** Establishes a critical understanding of security, life-safety devices, equipment, and technologies integrated into a total protection approach for reducing risks and preventing organizational

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losses. Discussion centers on CPTED strategies, risk assessments, surveillance, detection systems, and various physical controls.

**212 Criminal Law. (3)** The study of legal terminology and definitions of crimes, criminal procedures, criminal responsibility, analysis of crimes and their proof in the context of practical fact situations. *LEJA majors must earn a grade of C or better in this course. Prerequisite: LEJA 101 with a grade of C or better.*

**230 Principles of Terrorism. (3)** Overview of terrorism, including: definition, root causes, ideologies, historical and current perspectives, modus operandi and targets, radicalization and recruitment, terrorist group structures, terrorists in the economic system, domestic and international terrorist groups, state sponsors, and counterterrorism.

**231 Homeland Security Entities. (3)** Overview of homeland security and its implications. Administrative, legislative, and operational entities developed for the protection of the United States. Strengths and weaknesses of this framework are addressed. The roles of industry and non-profits in homeland security framework are discussed.

**255 Crime Scene Investigation. (3)** Criminalistics overview addressing law enforcement responsibilities for and activities of crime scene investigation, evidence collection, and applicable forensic sciences. *LEJA majors must earn a grade of C or better in this course. Prerequisite: LEJA 101 with a grade of C or better, or permission of the instructor.*

**300 Writing in Law Enforcement and Justice Administration. (3)** Instruction and experiences in writing professional criminal justice reports. *Prerequisites: junior standing or permission of the instructor.*

**302 CJ Research Methods. (3)** This introductory criminal justice course examines the procedures and principles involved in experimental, quasi-experimental, correlational, and other research. Problem formulation, literature review, measurement issues, sampling, research design, data analysis, and report writing using APA format will be explored. *LEJA majors must earn a grade of C or better in this course. Prerequisites: junior standing or permission of the instructor.*

**303 Quantitative Techniques for Criminal Justice. (3)** Introduction to statistical methods useful for analyzing data most often encountered in criminal justice research. Students will conduct data analysis using computer software with the emphasis on the proper application and understanding of descriptive and inferential statistics for policy-making purposes. *LEJA majors must earn a grade of C or better in this course. Prerequisites: any WIU or IAI General Education mathematics course (MATH 101, 102, 123, or STAT 171), and junior standing; or permission of the instructor.*

**306 Organization and Administration in Criminal Justice. (3)** Fundamental overview of criminal justice organization and administration; organization structure, demands, and situations; emphasis on the role of the criminal justice administrator in policy formulation in the community. *LEJA majors must earn a grade of C or better in this course. Prerequisite: LEJA 101 with a grade of C or better, or permission of the instructor.*

*or better in this course. Prerequisites: LEJA 101 with a grade of C or better, and junior standing; or permission of the instructor.*

**309 Security Administration and Management. (3)** Emphasis on security leadership and management skills necessary for risk-based protection within public and private security sectors. Subject areas include risk identification; operational effectiveness; internal investigations; and risk management principles needed for total assets protection within a global business environment. *Prerequisite: LEJA 208 and junior standing; or permission of the instructor.*

**312 Criminal Procedure. (3)** Emphasis on constitutional rights and constitutional policing; special emphasis on amendments to the Constitution as related to the rights of the individual. *LEJA majors must earn a grade of C or better in this course. Prerequisites: LEJA 212 with a grade of C or better, and junior standing; or permission of the instructor.*

**313 Correctional Law. (3)** Introduction to legal issues in corrections, with an emphasis on civil and criminal liability for correctional staff and administrators regarding prisoners' rights. *Prerequisites: LEJA 101 with a grade of C or better; permission of the instructor.*

**332 Terrorism Financing and Responses. (3)** Provides an overview of terror financing activities and industry, government, and non-governmental responses. The critical nature of financing schemes, disparate methodologies, and costs associated with terrorism will be identified. Connections with other criminal activity and global responses will be analyzed. *Prerequisites: LEJA 230 and junior standing; or permission of the instructor.*

**333 Terrorism Investigations. (3)** This course provides insights into the challenging and varied facets of investigating domestic and international terror groups, terrorists, and terror incidents. *Prerequisites: junior standing and LEJA 230, or permission of instructor/chairperson.*

**345 Diversity, Ethics, and Professionalism in Criminal Justice. (3)** This course is designed to familiarize students with concepts related to cultural diversity and the ethics/morality of criminal justice practitioners in the U.S. It identifies specific issues that are recurrent and problematic and suggests possible solutions for practitioners. *LEJA majors must earn a grade of C or better in this course. Prerequisites: junior standing or permission of the instructor.*

**355 Basics of Criminal Investigation. (3)** Examination of the history, basic techniques, analysis, and procedures unique to criminal investigations in the law enforcement field. *Prerequisites: LEJA 255 with a grade of C or better, and junior standing; or permission of the instructor.*

**357 Theories of Crime. (3)** An interdisciplinary overview of criminological theories with an emphasis on the causes of crime, the etiology of criminal offenses and offenders, and how each affects evidence-based policy, research, and regulations in the field of criminal justice. *LEJA majors must earn a grade of C or better in this course. Prerequisites: LEJA 101 with a grade of C or better, and junior standing; or permission of the instructor.*

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**404 Independent Study. (1-3, repeatable to 9)** Individual selected program of supervised group or individual study dealing with some phase of criminal justice administration. *Open only to qualified students. Prerequisites: approval of LEJA director and instructor, senior standing, and a C+ overall GPA prior to enrollment.*

**412 Evidence. (3)** Advanced study of criminal law and procedure; concentration on evidence rules; trial procedure, testifying, rules of admissibility of evidence into trial, pre-trial discovery. *Prerequisites: LEJA 312 with a grade of C or better, and junior standing; or permission of the instructor.*

**413 Civil Law. (3)** The study of civil law and procedure; problems of citizen arrest, search, and interrogations. Emphasis on civil/criminal liability of private employers and executive branch employees while engaging in enforcement, protection, and investigator activities, including tort immunity, policy, and oversight. *Prerequisites: LEJA 312 with a grade of C or better, and junior standing; or permission of the instructor.*

**414 Legal Aspects of Homeland Security and Terrorism. (3)** This course covers the legal aspects of terrorism and homeland security including domestic, foreign, and international legislation and cases. Other civil and criminal legal matters and public policy relating to terrorism/homeland security will be addressed. *Prerequisites: LEJA 231 and junior standing; or permission of the instructor.*

**415 Privacy, Technology, and Law. (3)** This course examines the controversial developments in technology, legislative enactments, and governmental policy that challenge and shape traditional expectations of privacy. Surveillance strategies impacting public safety, health, law enforcement, consumer and personal selections, property rights, and family matters are discussed. *Prerequisite: junior standing or permission of the instructor.*

**416 Terrorism and Law Enforcement. (3)** Discusses law enforcement risks and responses in relation to terrorist activities. Counterterrorism policing theories and U.S. law enforcement experiences with terrorism are addressed. Law enforcement experiences overseas are shared. Case studies in this realm are analyzed. *Prerequisites: LEJA 230 and junior standing; or permission of the instructor.*

**417 International Studies in Criminal Justice. (3-6, repeatable to 9 with different locations)** Integrates the study of international criminal justice with student international travel to countries selected for the course. Focuses on preparing students for global environment of the 21st Century by providing first-hand knowledge of different cultures. *Prerequisites: junior standing and permission of the instructor and director.*

**430 White-Collar Crime. (3)** Analysis of types of white-collar crime (occupational, economic, political, and corporate). Emphasis also on statutes, investigation, and sentencing of offenders. *Prerequisite: junior standing or permission of the instructor.*

**431 Organized Crime. (3)** Historical and contemporary review of organized criminal groups with emphasis on structure and range of activities. Analysis of laws and successful

investigations and prosecutions of organized crime figures and families. *Prerequisite: junior standing or permission of the instructor.*

**440 Seminar on Current Issues in Policing. (3)** Discussion of emerging issues in American policing. Emphasizing the pillars of policing: building trust and legitimacy through transparency, policy and oversight, community policing, cultural competency, de-escalation and use of force policies, and best practices for recruitment, training, and diversity. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280 and junior standing; or permission of instructor.*

**441 Seminar on Current Issues in the Court System. (3)** Examination of the structure and functions of courts, including informal and formal aspects of judicial process. Emphasis on organizational as well as legal roles. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 201 with a grade of C or better, LEJA 212 with a grade of C or better, ENG 280, and junior standing; or permission of the instructor.*

**442 Seminar on Current Issues in Corrections. (3)** Ideological and pragmatic justification for punishment and imprisonment; sentencing trends and alternatives to incarceration; organization and management of correctional institutions; inmate life, prisonization; treatment and custody; discharge and parole. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 201 with a grade of C or better, ENG 280, and junior standing; or permission of the instructor.*

**443 Seminar on Current Issues in Security. (3)** Discussion of cutting-edge protection requirements, trends, and movements in the public and private sectors. Emphasis on results-oriented security management practices using comprehensive protection plans designed to reduce organizational risks and vulnerabilities. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 208 and 309 and junior standing; or permission of the instructor.*

**444 Seminar on Current Issues in Probation and Parole. (3)** The process of probation and parole in terms of its historical development, philosophy, and standards. Concepts and problems in administration, organization, investigation, and supervision. Selection and discharge process will be examined. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 201 with a grade of C or better, ENG 280, and junior standing; or permission of the instructor.*

**455 Advanced Criminal Investigation. (3)** Course explores specialized information and techniques in dealing with victims with trauma, various detection and deception methods as they relate to interrogation, profiling, and crime classification. *Prerequisites: LEJA 355 and junior standing; or permission of the instructor.*

**490 Internship in Law Enforcement. (9-12)** Off-campus practical work experience in an appropriate field. Seminars and written reports required. *Prerequisites: Approval of the internship coordinator or chair and 2.25 GPA overall and a 2.50 GPA in LEJA major at time of application (semester prior to internship), and during internship. Internship application must be made during the first month of the semester prior to actual internship (i.e., Spring internship—application made in*

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*September; Summer/Fall internship—application made in January). Internship application is made by attending a mandatory internship meeting the semester prior to the internship. Corequisite: LEJA 491. Graded S/U only.*

**491 Internship Summary.** (3) Projects designed to bring together all experiences acquired during internship for discussion and analysis. A complete overview of the criminal justice system as observed by interns. *Corequisite: LEJA 490.*

**497 Senior Comprehensive Exam.** (0) A comprehensive exam administered to all seniors majoring in Law Enforcement and Justice Administration. *Prerequisite: senior standing. Graded S/U only.*

**499 Honors Internship Project.** (3) The preparation of a major written work involving analysis of appropriate scholarly literature applied within the context of the internship experience. *Corequisite: LEJA 490.*

## EMERGENCY MANAGEMENT (EM)

**251 (Formerly EM 351) Emergency Medical Technician's Training IA.** (5) Includes experiences designed to prepare persons who are responsible for giving emergency care to the sick and injured.

**252 (Formerly EM 352) Emergency Medical Technician's Training IB.** (4) May include sessions with paramedics, directors of ambulance services, respiratory therapists, and physicians; ten hours of hospital observation in an approved emergency room; and extrication exercise. *Satisfactory completion of EM 251 and 252 and recommendation of instructor results in student eligibility to take EMT state examination. Prerequisite: EM 251 or proof of current CPR certification, or permission of instructor.*

**270 Disaster Management and Media.** (3) The genre of disaster films and other mass media disaster coverage will be presented as case studies followed by in-class discussions which will allow for a critical analysis of the relationships between filmed images and disaster management.

**276 Hazards and Disasters in Emergency Management.** (3) Overview of the dynamic relationships between natural and technological hazards and disasters and associated requirements for mitigation, preparation, response, and recovery.

**304 Principles of Emergency Management.** (3) Presents the theories, principles, and approaches to emergency management. Philosophy of comprehensive emergency management will be discussed including mitigation, preparedness, response, and recovery. Role, duties, and importance of the emergency manager will be discussed. *Prerequisite: EM 276.*

**305 Dimensions of Disaster.** (3) Overview of empirical vs. theoretical approaches to disasters; human behavior in disaster, disaster myths; group disaster behavior; community social systems and disaster; cultures, demographics and disaster behavior distinctions, and contemporary disaster research. *Writing Instruction in the Disciplines (WID) course. Prerequisites: EM 304 and ENG 280, or permission of instructor.*

**323 Emergency Preparedness and Response.** (3) Concepts, theories, principles, programs, and requirements of emergency preparedness; governmental planning, practice, exercises; hazard and risk assessment; team building; case studies. Overview of the relationship of preparedness to response; emergency operations; incident command systems. National Incident Management System (NIMS), interoperability. *Prerequisite: EM 304.*

**324 Legal Aspects of Emergency Management.** (3) Introduction to federal, state, and local laws, regulations, and policies governing emergency management; history of statute development; significant legislation; federal, state, and local authorities and responsibilities. *Prerequisite: EM 304.*

**353 Advanced Emergency Medical Technician/Paramedic I.** (6) Responsibilities of a Paramedic within an EMS system, pathophysiology, pharmacology, patient assessment, medication administration, respiratory anatomy, and airway maintenance. *Prerequisite: EMT licensure or permission of instructor.*

**354 Advanced Emergency Medical Technician/Paramedic II.** (6) Principles of patient assessment, analysis of case history, and integration of pathophysiological principles and assessment findings into a treatment plan for the trauma patient. *Prerequisites: EM 353 and permission of instructor. Additional charge for course.*

**355 Advanced Emergency Medical Technician/Paramedic III.** (6) A continued exploration of pathophysiological principles and assessment findings initiated in EM 354. In particular, diseases of the cardiac, respiratory, neurologic, and systemic body systems are studied. *Prerequisites: EM 353 and 354, and permission of instructor. Additional charge for course.*

**356 Advanced Emergency Medical Technician/Paramedic IV.** (6) Principles of assessment-based incident management including the incident command system, multiple casualty incident management, ground transport principles, and scene hazard mitigation, and medical emergencies including childbirth, age-related conditions, and mental health issues. *Prerequisites: EM 353, 354, and 355; permission of instructor.*

**357 Capstone Internship—Paramedic.** (3) Capstone course for the paramedic program. It includes a comprehensive review of course material, testing modalities, participation in case study analysis, and skills assessment. *Prerequisites: EM 353, 354, 355, and 356; permission of instructor.*

**401 Hazard Mitigation and Disaster Recovery.** (3) Concepts, theories, principles, programs, and requirements of pre- and post-disaster hazard mitigation; governmental planning and practice; hazard and risk assessment; team building; case studies; project development. Overview of disaster recovery programs and requirements; public and individual assistance; hazard mitigation relationships. *Prerequisite: EM 304.*

**425 (Cross-listed with HS 425) Public Health Emergency Preparedness.** (3) This course introduces students to how public health agencies prepare for and respond to public health emergencies. Topics include biosurveillance,

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crisis and emergency risk communication, and the Strategic National Stockpile. *Not open to students with credit in HS 425.* Prerequisites: junior standing; EM 304 or HS 211; or permission of instructor.

**441 Disaster Management. (3)** This course addresses aspects of the response, mitigation, and recovery phases of the Disaster Life Cycle, to help rebuild communities' and individuals' resilience and quality of life after a disaster. *Prerequisites: EM 304 or permission of instructor/chairperson.*

**460 Weapons of Mass Destruction in Public Health. (3)** Provides an overview of weapons of mass destruction from the public health and emergency management perspectives. Examination of various forms of weapons of mass destruction and discussion of primary, secondary, and tertiary prevention practices facing future professionals is included. *Prerequisites: CHEM 101 and EM 304, or permission of instructor.*

**461 Business and Industry Emergency Management. (3)** Provides an analysis of governmental emergency management, legal requirements, employee and business disaster awareness and preparedness, public policy considerations, and coordination of community outreach. *Prerequisite: EM 304 or permission of instructor.*

**465 Evacuation Planning and Response. (3)** Focuses on emergency evacuation issues as a result of natural disasters and human intentional injuries. Students learn to develop proper evacuation techniques for a wide range of areas, such as public schools, colleges and universities, private buildings, and government institutions. *Prerequisite: junior standing or permission of Instructor or Director.*

**470 Comparative Emergency Management Systems. (3)** Examines concepts, theories, principles, and requirements of emergency management systems: local, state, regional, federal, and global. Case studies of best practice exemplars will be explored. *Prerequisite: EM 304 or permission of instructor.*

**477 Disaster and Fire Defense Planning. (3)** Covers disaster and fire defense planning, and the interrelationship between those two areas. The concepts and principles of community risk assessment and regional and cooperative procedures and plans, and the relationship of structural, climatic, and topographical variables to group fires, conflagrations, and natural disasters will be discussed. *Prerequisites: permission of instructor/chairperson or acceptance into National Fire Academy Certificate Program.*

**478 Managerial Issues in Hazardous Materials. (3)** The role of the fire service in planning for, responding to, and managing hazardous material incidents. *Prerequisite: permission of instructor/chairperson or acceptance into National Fire Academy Certificate Program.*

**480 Senior Comprehensive Exam. (0)** A comprehensive exam administered to all seniors majoring in Emergency Management. *Prerequisites: senior standing. Graded S/U only.*

**490 Emergency Management Internship. (9)** Provides field work experience and knowledge in appropriate emergency management programs, under supervision of a qualified preceptor. *Prerequisites: Approval of the internship coordinator or Director and a 2.25 GPA overall*

*and a 2.50 GPA in the EM major at the time of application (semester prior to internship), and during internship. Internship application must be made during the first month of the semester prior to the actual internship (i.e., spring internship application made in September, summer/fall internship application made in January). Internship application is made by attending a mandatory internship meeting the semester prior to the internship. Corequisite: EM 491. Graded S/U only.*

**491 Emergency Management Internship Summary. (3)** The course consists of written exercises and projects designed to bring together all experiences acquired during the internship and academic program including events that played an important role in the academic or internship experience as it relates to student career pursuits. *Corequisite: EM 490.*

**492 Honors Internship Project. (3)** A significant written work involving analysis of appropriate scholarly literature applied within the context of the internship experience. *Corequisite: EM 490.*

**499 Independent Study in Emergency Management. (1–4, repeatable to 4)** Independent research study of an approved topic in emergency management. *Prerequisite: senior with Emergency Management major or minor, and permission of instructor.*

## FIRE SERVICE (FS)

**101 Basic Elements of Firefighting I. (2)** An introduction to essential concepts and practices in fire suppression. This course is part of the *Illinois Basic Firefighter Certification* series. Topics include organization structures, safety, fire chemistry, building construction, rope practices, and fire extinguishers. *Laboratory charge for course.*

**102 Basic Elements of Firefighting II. (2)** An introduction to essential concepts and practices in fire suppression. This course is part of the *Illinois Basic Firefighter Certification* series. Topics include ladder practices, hose operations, fire ground ventilation, and fire-related hydraulics. *Laboratory charge for course.*

**103 Basic Elements of Firefighting III. (2)** An introduction to essential concepts and practices in fire suppression. This course is part of the *Illinois Basic Firefighter Certification* series. Topics include fire ground tactics, rescue operations, fire cause determination, salvage, and post fire overhaul practices. *Laboratory charge for course.*

**210 Fire Protection. (3)** Organization and function of fire prevention; inspections and hazard analysis; economics of and survey of fire protection equipment. Examination of direct and indirect personnel functions, responsibilities, and coordination with other agencies.

**211 Fire Suppression Tactics. (3)** This course is an introduction to basic concepts in fire suppression operations. Topics include an overview of the incident command system, building construction, basic fire strategy, fire ground tactics, and situational response. *Prerequisite: FS 210 or permission of instructor/chairperson.*

**212 Introduction to Fire Prevention. (3)** This course serves as a general introduction to

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strategies in fire prevention. Concepts reviewed include building inspection, code enforcement, construction plan review, zoning practices and public education programs. *Prerequisite: FS 210 or permission of instructor/chairperson.*

## **300 Administration of Firefighter Safety**

**Programs.** (3) An exploration of the fire administrator's role in meeting governmental regulatory obligations, and industry standards related to firefighter safety, health, and well-being. *Credit cannot be given for both FS 300 and 301. Prerequisite: FS 210 or permission of instructor.*

## **301 Firefighter Safety and Survival.** (3)

Firefighter safety introduces essential principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services. *Credit cannot be given for both FS 300 and 301. Prerequisite: FS 210 or permission of instructor/chairperson.*

## **302 Fire Department Hazardous Materials Operations.** (3)

The Hazardous Materials Operations course provides instruction needed for firefighters to evaluate and mitigate risks associated with the release of hazardous materials. Students will explore risk-assessment techniques, decontamination modalities, and physical qualities related to selected hazardous materials. *Prerequisite: FS 210 or permission of instructor. Laboratory charge for course.*

## **303 Leading Community Risk Reduction.** (3)

This course provides a theoretical framework for the understanding of the organizational, logistical, ethical, political, and legal components of fire service-based community risk reduction, and methodology for the development of a comprehensive community risk-reduction plan. *Prerequisite: FS 210 and 212, or permission of instructor.*

## **345 Ethics, Diversity, and Professionalism**

**in the Fire and Emergency Services.** (3) This course will familiarize students with concepts relating to diversity, professionalism, ethics, and morality within fire service delivery from both the individual and organizational perspective. Special attention is provided to ethical and moral dilemmas that are recurrent and problematic. *Prerequisite: 12 hours in fire protection study or permission of instructor.*

## **443 Fire Protection Structure and Systems Design.** (3)

The principles of protection of the structure from fire involvement. Topics include empirical tests, prediction procedures, detection and suppression systems, sprinkler design, and recent innovations. *Not open to students with credit for ET 443. Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate program.*

## **444 Fire Dynamics.** (3)

Fire dynamics is a study of fire propagation phenomenon in both fuel and air regulated phases, e.g., variables in pre- and post-flashover fire development, as well as geometric, material, gaseous, fluid flow, and thermodynamic parameters. *Not open to students with credit for ET 444. Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate program.*

## **481 Fire and Emergency Administration.** (3)

Organization and management of fire services,

including new technologies and changing organizational structures. Blending personnel and equipment. Municipal fire protection planning. Fire department functions. Manpower and training. *Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate Program. Permission of instructor is required for all online sections of this course.*

## **482 Analytic Approaches to Public Fire Protection.** (3)

The course is designed to show the application of the systems approach to problems in the fire protection services including fire suppression and prevention systems. *Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate Program. Permission of instructor is required for all online sections of this course.*

## **483 Personnel Management for the Fire and Emergency Services.** (3)

Examines personnel practices, management procedures; investigates collective bargaining, binding arbitration, applicable legislative procedures, and administrative and supervisory procedures. Other topics: promotion and personnel development. *Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate Program. Permission of instructor is required for all online sections of this course.*

## **484 Fire Prevention Organization and Management.** (3)

Examines and evaluates the techniques, procedures, programs, and agencies involved with fire prevention. Consideration is given to related governmental inspection and education procedures. *BGS online writing course. Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate Program. Permission of instructor is required for all online sections of this course.*

## **485 Political and Legal Foundations.** (3)

The legal basis for the police power of government related to public safety. Legal limitations and responsibility. Liability of fire prevention organizations and personnel. Review of judicial decisions. *Writing Instruction in the Disciplines (WID) course. BGS online writing course. Prerequisite: ENG 180 and 280; FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate Program. Permission of instructor is required for all online sections of this course.*

## **486 Fire Investigation and Analysis.** (3)

Examination of techniques for the collection and analysis of evidence relative to a fire's origin. Legislative, economic, psychological, and sociological variables of the incendiary fire. *Prerequisite: FS 210, or permission of instructor/chairperson, or acceptance into National Fire Academy Certificate Program. Permission of instructor is required for all online sections of this course.*

## **487 Fire Codes and Standards.** (3)

This course surveys fire codes and standards, explores their development process, impact on life safety, and the challenges present in their application. *Prerequisite: FS 210 or 212, or permission of instructor.*

## Law Enforcement and Justice Administration

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**488 (Cross-listed with PSY 488) Fire-Related Human Behavior.** (3) Considers fire related behavior in general including fire detection, suppression action, and evacuation behavior. Also considers fire-setting behavior, fire-prevention education, and eyewitness processes. *Not open to students with credit in PSY 488.* Prerequisite: FS 210 or permission of instructor/chairperson.

**490 Fire Service Internship.** (9) The fire internship provides practical experience through real world observation and interaction with practitioners in the work environment. The student observes and participates in the daily routines associated with the provision of public safety services. *Prerequisites: Minimum 2.25 GPA overall and a 2.50 GPA in the core courses within the fire major; C grade or better in each of FS 210, 211, 212, 301, and 345; junior or senior standing.* Corequisite: FS 491. Graded S/U only.

**491 Fire Service Internship Paper Summary.** (3) This course consists of a writing exercise whereby interns reflect on their thoughts and opinions regarding the internship experience, including events that played an important part in their academics or internship experience as it relates to their career pursuits. *Corequisite: FS 490.*

**492 Honors Internship Project.** (3) A preparation by an honors student of a significant written work involving analysis of appropriate scholarly literature applied within the context of the internship experience. *Corequisite: FS 490.*

**499 Senior Comprehensive Exam.** (0) A comprehensive exam administered to all seniors majoring in Fire Protection Services. *Prerequisite: Senior standing Graded S/U only.*

# **Management and Marketing**

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**Director:** Dr. Stephen Tam  
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**Email:** MandM@wiu.edu  
**Website:** [wiu.edu/mandm](http://wiu.edu/mandm)

## **Program Offerings and Locations**

- Bachelor of Business in Human Resource Management: Macomb, Quad Cities, Online
- Bachelor of Business in Management: Macomb, Quad Cities, Online
- Bachelor of Business in Marketing: Macomb, Online (Enterprise Marketing option)
- Bachelor of Business in Supply Chain Management: Macomb, Quad Cities, Online
- Minor in Human Resource Management: Macomb, Quad Cities, Online
- Minor in International Business: Macomb, Quad Cities
- Minor in Management: Macomb, Quad Cities, Online
- Minor in Marketing: Macomb, Quad Cities, Online
- Minor in Supply Chain Management: Macomb, Quad Cities, Online
- Minor in Sustainable Business: Macomb, Quad Cities

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Chakravorti, Conrad, Creasey, Du Plessis, Gates, Howe, Humphrey, Hunt, Koo, Lynne, Mhangi, Rands, Resch, Sawhney, Shamsuddoha, Shike, Stewart, Tam, Tarrant, Western, Wienczek, Yang, Zimmerman.

## **GradTrac**

GradTrac is available to Human Resource Management, Management, Marketing, and Supply Chain Management majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

An integrated baccalaureate and master's degree program is available for the Bachelor of Business in Human Resource Management, Management, Marketing, or Supply Chain Management: Master of Business Administration. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## School Information

The School of Management and Marketing offers four Bachelor of Business degree programs that provide the theory, practical knowledge, and skills needed for high-potential managerial and specialist jobs in various types of organizations.

Human Resource Management improves the effectiveness of people in organizations. The **B.B. in Human Resource Management** degree program is designed to develop the professional skills needed for a successful career in any organization. In addition, students receive a solid base in other functional areas of an organization. Typical career areas are employment recruiting and staffing, training and development, industrial and labor relations, compensation and benefits, safety and health, and government compliance. Human Resource Management faculty strongly recommend that HRM majors engage in enrichment activities such as an internship, a Study Abroad program, or a minor.

The **B.B. in Management** degree program emphasizes practical professional management skills, allowing students the flexibility to focus on such areas as organizational behavior/organization development, small business management, and operations management. Management is a diverse and applied field of study. Therefore, the objectives of the program include 1) preparing generalists who integrate and coordinate organizational activities of marketing, finance, accounting, operations, and human resources in order to meet organizational goals, and 2) preparing specialists who focus on management analysis, information systems, policy and strategic analysis, and the management of a single operation. Typical placements include general management, retailing management, hotel/motel management, and operations management positions in manufacturing and service organizations, computer-related occupations, high technology administration, organization development consulting, health care administration, government services, and non-profit organization administration. Management faculty strongly recommend that Management majors engage in an enrichment activity from among the following: an internship, a Study Abroad program, or a minor.

Marketing is the activity of developing products and services to satisfy customers' needs and then making them available at the right places, at the right times, and at competitive prices. Changes in social and economic systems have created new challenges for Marketing professionals. Increasingly, they must focus on both domestic and global opportunities in-step with ever-evolving technologies. They must also be continually responsive to cultural differences and ethical issues. The **B.B. in Marketing** degree offers students a broad-based education in a variety of marketing specialties including integrated marketing communications, marketing technologies, and sales management. When combined with the capstone course in marketing management, students are qualified to assume a variety of careers including personal selling (for consumer and industrial products), marketing research, public relations, advertising management, and retailing management.

Supply Chain Management (SCM) is a field that cuts across the functional lines of a company. SCM involves managing the internal and external components of a supply system including purchasing parts and supplies, arranging transportation, and managing inventory levels. SCM professionals work with marketing, operations, accounting, and finance to ensure that products/services are available to the company and the consumer when needed and to control costs. For the **B.B. in Supply Chain Management**, students take courses in logistics, transportation, international business, professional selling, negotiations, and purchasing. Employment opportunities in SCM are particularly attractive as graduates command above-average salaries.

# **Management and Marketing**

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## **Degree Programs**

### **Bachelor of Business—Human Resource Management**

All students seeking the Bachelor of Business in Human Resource Management must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Human Resource Management students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

***Note:*** Students enrolled in this major may not minor in Pre-MBA.

I.	University General Education Curriculum (p. 69) .....	43 s.h.	
II.	Business Core Courses† (p. 94).....	33 s.h.	
III.	Departmental Core Courses.....	21 s.h.	
	B L 431 or 432; CS 302; HRM 353, 441, 442, 446, 449, 499		
IV.	Electives .....	12 s.h.	
A.	Directed..... COMM 305; ECON 440; HRM 400, 443, 444; MGT 350, 448, 481; either MGT 425 or 445; MGT/OM 352; EOS 311 or EOS 377 or ET 448 (choose one); SCM 451		
B.	Open.....	11 s.h.	
V.	Other.....	18 s.h.* Natural Sciences/Mathematics: MATH 137 and STAT 171 Social Sciences: ECON 231 and 232 and either PSY 100 or SOC 100 Multicultural Studies: ECON 351	
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.		
†	BCOM 320 (Business Core) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.		
*	18 s.h. may count toward the University General Education requirement.		

### **Bachelor of Business—Management**

All students seeking the Bachelor of Business in Management must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Management students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

***Note:*** Students enrolled in this major may not minor in Pre-MBA.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Business Core Courses† (p. 94).....	33 s.h.
III.	Departmental Core Courses.....	21 s.h.
	B L 431 or 432; CS 302; HRM 353; MGT 350, 455, 481, 499; MGT/OM 352	

# Management and Marketing

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IV.	Electives	
A.	Directed.....	12 s.h.
	Upper-division Management courses.....	6 s.h.
	Upper-division Business courses .....	6 s.h.
B.	Open .....	11 s.h.
V.	Other.....	18 s.h.*
	Natural Sciences/Mathematics: MATH 137 and STAT 171	
	Social Sciences: ECON 231 and 232 and either PSY 100 or SOC 100	
	Multicultural Studies: ECON 351	
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	BCOM 320 (Business Core) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	
*	18 s.h. may count toward the University General Education requirement.	

## Bachelor of Business—Marketing

All students seeking the Bachelor of Business in Marketing must complete I, II, III, IV, V, and VI below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Marketing students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

**Note:** Students enrolled in this major may not minor in Pre-MBA.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Business Core Courses† (p. 94).....	33 s.h.
III.	Departmental Core Courses.....	18 s.h.
	CS 302; MKTG 329, 331, 337, 429, 497	
IV.	Options of Study (select A, B, or C) .....	18 s.h.
A.	Enterprise Marketing Choose six 300-400 level MKTG courses .....	18 s.h.
	<b>Note:</b> No more than 3 s.h. of MKTG 400 may be applied towards this total.	
B.	Marketing Technology 1. MKTG 371, 411, 421, 441; DS 200.....	15 s.h.
	2. Choice of 3 s.h. from any 300-400 level MKTG courses .....	3 s.h.
	<b>Note:</b> No more than 3 s.h. of MKTG 400 may be applied towards this total.	
C.	Omni-Channel Marketing 1. MKTG 343, 400 (3 s.h.), 417, 431; SCM 211.....	15 s.h.
	2. Choose 3 s.h. from SCM 330, 340, 470.....	3 s.h.
V.	Open Electives .....	8 s.h.
VI.	Other.....	18 s.h.*
	Natural Sciences/Mathematics: MATH 137 and STAT 171	
	Social Sciences: ECON 231 and 232 and either PSY 100 or SOC 100	
	Multicultural Studies: ECON 351	
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language	

## **Management and Marketing**

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requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

- † BCOM 320 (Business Core) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.  
\* 18 s.h. may count toward the University General Education requirement.

### **Bachelor of Business—Supply Chain Management**

All students seeking the Bachelor of Business in Supply Chain Management must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

Pre-Supply Chain Management students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, page 93) and may be removed from business courses.

**Note:** Students enrolled in this major may not minor in Pre-MBA.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Business Core Courses† (p. 94).....	33 s.h.
III.	Departmental Core Courses.....	27 s.h.
	CS 301; MGT/OM 352; SCM 211, 340, 400 (3 s.h.) (or approved substitute), 411, 451, 453, 499; ENGR/SCM 457	
IV.	Electives .....	
A.	Directed.....	9 s.h.
1.	One of the following courses: ..... SCM 330, 460, 461, 465, 470, 480	3 s.h.
2.	Two of the following courses: ..... AGEC 333, 349; B L 431; DS 200, 421; HRM 353; MGT 425, 455; MKTG 317, 335, 441; ET 241, 344, 346, ET/ENGR 345; SCM 330, 460, 461, 465, 470, 480, or any SCM elective with School Director approval	6 s.h.
B.	Open .....	8 s.h.
V.	Other.....	18 s.h.*

Natural Sciences/Mathematics: MATH 137 and STAT 171

Social Sciences: ECON 231 and 232 and either PSY 100 or SOC 100

Multicultural Studies: ECON 351

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

- † BCOM 320 (Business Core) fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

- \* 18 s.h. may count toward the University General Education requirement.

## **Minors**

### **Minor in Human Resource Management..... 18 s.h.**

1. B L 230\*, MGT 349\*, HRM 353 ..... 9 s.h.
2. Select three courses from the following:  
HRM 441, 442, 443, 444, 446, 449 ..... 9 s.h.

\* Business majors should consult with their academic advisor.

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## Minor in International Business ..... 16–24 s.h.

### *Option I: For Business Majors* ..... 16 s.h.

1. Foreign Language (3–4 s.h.); MKTG 317 ..... 6–7 s.h.
2. 9 or 10 s.h. from ECON 420 or 470, FIN 497, HRM 444, INAG 310, MGT 485, MKTG 417, SCM 411; one course may be taken from Foreign Languages (any second course in the same language as core course), BAT 300, NUTR 300, POLS 331, or History (any non-U.S. History course at the 300 or 400 level).... 9–10 s.h.

### *Option II: For Non-Business Majors* ..... 24 s.h.

1. Foreign Language (3 or 4 s.h.); MKTG 317; 6 s.h. from ACCT 200, ECON 231, FIN 311, MGT 349, MGT 125, MKTG 327, SCM 211 ..... 12–13 s.h.
2. 11–12 s.h. from same courses listed in Option I.2 ..... 11–12 s.h.

**Note:** Non-business majors are strongly encouraged to consult Business Advising to ensure timely completion of the minor.

## Minor in Management ..... 18 s.h.

1. BL 230\*, MGT 349\*, MGT/OM 352, HRM 353 ..... 12 s.h.
2. Select two courses from the following: ..... 6 s.h.  
MGT 350, 425, 445, 447, 448, 470, 474, 481, 483, 485

\* Business majors should consult with their academic advisor.

## Minor in Marketing ..... 18 s.h.

1. ACCT 200 or ACCT 201 or ECON 232 ..... 3 s.h.
2. Business Elective ..... 3 s.h.
3. MKTG 327 ..... 3 s.h.
4. Marketing Electives ..... 9 s.h.

## Minor in Supply Chain Management ..... 18 s.h.

1. SCM 211 and 411 ..... 6 s.h.
2. Supply Chain Management Electives ..... 9 s.h.
3. Business Elective ..... 3 s.h.

## Minor in Sustainable Business ..... 17 s.h.

**Note:** This minor is designed for students with majors in the College of Business and Technology, but it is not limited to them. Students with majors outside the College may be required to enroll in additional semester hours of coursework to meet the prerequisites of courses required for this minor. These students should consult with their academic advisors to ensure timely completion of the minor.

1. AGEC/ECON 430; ENVR 201, 401; MGT 483 ..... 12 s.h.
2. Select two courses from the following: ..... 5 s.h.  
ACCT 451, 452, 469; AGEC 460; AGRN 370, 373, 374, 377; CONS 305, 405; CS 410, 420, 470, 491; CSTM 337, 434, 440; DS 200; ECON 350, 351, 420, 465; ENGR/SCM 457; ET 344, 345; FIN 321, 331, 449, 470; FOR 407; HORT 484; HRM 442, 449; INAG 310; IS 340, 343; MKTG 329, 331, 333; MGT/OM 352; MGT 445, 455, 481; SCM 453, 465

## Course Descriptions

### BUSINESS AND TECHNOLOGY (BAT)

**300 Global Study. (1–9, repeatable to 9)**  
**(General Education/Multicultural Studies)**  
Integrates the study of international business or technology with international travel. Focuses on

preparing students for the global environment of the 21st century. Only 3 s.h. can be applied toward the International Business minor. Prerequisite: permission of instructor.

**490 Business Core Assessment. (0)** Requires each business major to demonstrate his/her proficiency on selected learning goals for the Bachelor of Business program. The course is taken

# **Management and Marketing**

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during the student's senior year. *Corequisite: MGT 490. Graded S/U.*

## **BUSINESS COMMUNICATION (BCOM)**

**320 (Cross-listed with CSTM 320 and ET 320) Professional Preparation and Business Communication.** (3) Practical application of effective written and oral business communication concepts. Prepares and enables students to gain skills and learn strategies for career success. Topics will include problem solving, communication, interpersonal relations, resume preparation, and interviewing. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in CSTM 320 or ET 320. Prerequisites: ENG 280 and junior standing.*

## **BUSINESS LAW (B L)**

**230 The Legal Environment of Business.** (3) An introduction to the legal system and the laws governing activities of business, including a study of the foundations of the legal system, business ethics, alternative dispute resolution, contracts, business wrongs (torts), and an introduction to business organizations.

**431 The Law of Commercial Transactions.** (3) A study of commercial transactions including contracts, sales, bankruptcy, secured transactions, and the legal environment of business.

**432 The Law of Business Organizations.** (3) A study of the laws governing business organizations, including agency, partnerships, corporations, employment, real estate, and an overview of the legal relationships between business and government.

## **HUMAN RESOURCE MANAGEMENT (HRM)**

**353 Human Resource Management.** (3) This course focuses on recruitment and human resource planning; employment, placement, compensation, and benefits; training and development; employee and labor relations; health, safety, and security; and personnel research in business and industry.

**400 Human Resource Management Internship.** (1-3, repeatable to 3) Integrates human resource management theories with application to actual business practice. Internships are supervised by a faculty coordinator and an executive in the firm. *Proportional credit available for shorter internships. Hours cannot be applied toward requirements of a Human Resource Management minor. Prerequisites: Human Resource Management major, junior standing, completion of HRM 353 with a B- or higher, 2.0 GPA, written approval of School Director. Graded S/U only.*

**441 Staffing.** (3) The study of human resource planning techniques in business and industry such as measurement and testing principles; attracting, selecting, and placing personnel. *Prerequisite: HRM 353.*

**442 Employee Benefits.** (3) The course focuses on employee benefits practices, which includes the socio-economic and institutional context of the development and management of employee

benefits systems, procedures used in benefits administration, and employer-sponsored and government-mandated programs. *Prerequisite: HRM 353.*

**443 Collective Bargaining.** (3) A comprehensive study of collective bargaining. Stress is given to legislation, policies, and practices pertinent to collective bargaining, as well as to procedures and techniques utilized in bargaining. Attention also focuses upon the problem of handling and settling industrial controversy. *Prerequisite: HRM 353.*

**444 International Human Resource Management.** (3) **(Global Issues)** The study of human resource management practices and regulations. Topics will include staffing, selection, training and development, labor relations, performance appraisal, and managing workforce diversity in a global economy.

**446 Human Resource Management in the Legal Environment.** (3) Social and economic implications of government regulations concerning equal employment opportunity are covered. Includes laws and agencies relating to equality in employment for women, minorities, veterans, older employees, and disabled workers. *Prerequisite: HRM 353.*

**449 Appraising and Developing Employees.** (3) Examination of employee performance appraisal and development activities in organizations. Emphasis on their design, implementation, and evaluation, and on the systemic relationships among training, careers, and the management of organization development. *Prerequisite: HRM 353.*

**460, 461, 462 Independent Research in Human Resource Management I, II, and III.** (1-3 each, not repeatable) Independent research study of an approved topic. *For selected Human Resource Management majors. Prerequisites: a cumulative GPA of 2.50 or above and permission of the School Director.*

**499 HRM Knowledge Assessment.** (0) All Human Resource Management majors are required to complete the knowledge assessment examination prior to graduation. *Prerequisites: senior standing; Human Resource Management major. Graded S/U only.*

## **MANAGEMENT (MGT)**

**125 Business and Technology in a Global Society.** (3) A comprehensive overview of global business principles, practices, and trends that are reshaping today's business and affecting tomorrow's competitive environment. Consideration of the impact of technology, ethics, diversity, culture, and various emerging issues on all business disciplines.

**349 Principles of Management.** (3) Study of the managerial process in an organizational setting with emphasis on decision making, planning, organizing, and controlling including discussion of motivation, leadership, communication, and interpersonal dynamics in an organization context.

**350 Organizational Behavior.** (3) Extended study of concepts dealing with individual and group behavior in organizations. Students explore theory and research as well as practical

# Management and Marketing

applications related to management. *Prerequisite: MGT 349.*

**352 (Cross-listed with OM 352) Operations Management.** (3) Foundations for Operations Management as practiced in contemporary organizations. Focus is on the efficient and effective value-adding transformation of inputs into goods and services in both internal and external value chains. Extensive use of mathematics and statistics is involved. *Not open to students with credit in OM 352.*

**400 Management Internship.** (3–12, repeatable to 12) Work experience in an organization involving training in management-related areas. Intern will be supervised by a faculty coordinator and a supervisor in the organization. Reports of work experience are submitted to the coordinator. *These hours cannot be applied toward meeting the requirements for the Management minor. A maximum of 3 s.h. may be applied toward the requirements for the Management major.* *Prerequisites: MGT 349 with a C or higher, Management major or minor, junior standing, minimum 2.5 GPA, and written approval of School Director. Graded S/U only.*

**425 Managerial Decision Making.** (3) An examination of problem solving or decision making processes. Emphasis is on skills and techniques of individual and group problem solving and decision making including creative and critical thinking. *Prerequisites: MGT 349 and CS 101.*

**445 Organization Development.** (3) Examines current models and methods for bringing about change in organizations. Emphasizes understanding organizations as complex adaptive systems. Provides knowledge and practical tools to promote and maintain system viability across the dynamic contexts facing modern organizations. *Prerequisite: MGT 350.*

**447 Analysis of Behavior in Organizations.** (3) Examines organizational behavior from a cultural/interpretive perspective for the purpose of describing how organizations are run rather than how they should be run. The nature of the course allows the students to gather information on how to cope with life in organizations, with specific focus on being a successful organizational member. *Prerequisite: MGT 350.*

**448 Business Organization Structure/Theory.** (3) Explores the influence of organization structure on behavior by examining such topics as technology, environment, bureaucracy, effectiveness, and power. Course includes case analysis and small group activities. *Prerequisite: MGT 349.*

**455 Total Quality Management.** (3) A study of theoretical principles and practical applications of total quality management in service and manufacturing settings. Addresses quantitative and managerial foundations for Statistical Process Control, Process Capability, Six-Sigma Quality, ISO9000, and the Malcolm Baldrige National Quality Award procedures. *Prerequisite: MGT/OM 352 and STAT 171.*

**460, 461, 462 Independent Research in Management I, II, and III. (1–3 each, not repeatable)** Independent research study of an approved topic. *For selected Management majors.*

*Prerequisites: a cumulative GPA of 2.50 or above and permission of the School Director is required.*

**470 Seminar in Management.** (3, repeatable to 6) An in-depth treatment of various facets of management problems and concepts. Possible topics include conflict resolution, organizational change, and stress management. Topics determined by instructor. *Prerequisite: MGT 349.*

**474 Small Business Management.** (3) This course examines issues in running a small business. Topics include: problems, advantages, and disadvantages of operating and managing a small business. A complete business plan will be prepared. Cases, interviews, and other hands-on methods are used. *Prerequisite: MGT 349.*

**481 Management and Society: Ethics and Social Responsibility.** (3) A study of relationships between business, government, society, and individuals. Topics include ethics, social responsibility, regulation, globalization, and managing ethical and social issues of concern to various stakeholders and the natural environment. *Prerequisite: MGT 349.*

**483 Managing Organizations for Environmental Sustainability.** (3) Studies how businesses and other organizations can become more environmentally sustainable, emphasizing sustainability management practices/methods. Includes background coverage of sustainability, ecological principles, and environmental problems and philosophies, organizations' environmental impacts, and government policy approaches. Includes a project to improve organization sustainability. *Prerequisite: MGT 349 or permission of instructor.*

**485 International Management.** (3) (Global Issues) The study of managing people and organizations in a multicultural global environment. Topics include the management functions of planning, organizing, leading, and controlling as they apply to strategy formulation, decision-making, cross-cultural organizational behavior; global teams, and intercultural communication. *Prerequisite: MGT 349.*

**490 Business Strategy.** (3) This capstone course integrates functional perspectives in a general manager's view of organizational competition under uncertainty; explores frameworks analyzing external environments and firm resources; building and sustaining competitive advantage; and develops skills in designing, communicating, and implementing strategies. *Prerequisites: senior business major; 12 s.h. in major area; and FIN 311 or 331, MGT 349, and MKTG 327. Corequisite: BAT 490.*

**499 Management Knowledge Assessment.** (0) All Management majors are required to complete the knowledge assessment examination prior to graduation. *Prerequisites: senior standing; Management major. Graded S/U only.*

## MARKETING (MKTG)

**317 International Business.** (3) (Global Issues) Introductory review of global business with an emphasis on the role of marketing. Course examines issues of international trade and business, and impacts of economy, culture, laws, politics, competition, and technology. Students

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learn to develop effective international business strategies.

**327 Marketing Principles.** (3) An examination of the functions of marketing and their impact on businesses. Students learn about the marketing process, development, pricing, promotion, and distribution of goods and services and apply marketing principles to business situations.

*Prerequisite: ACCT 200 or ACCT 201 or ECON 232 or junior standing.*

**329 Marketing Research.** (3) This course concentrates on conducting marketing research to solve diverse marketing problems. Students will learn how to use tools and techniques for determining problems, gathering and processing market data, analyzing data, interpreting results, and reporting research findings and recommendations. *Prerequisites: MKTG 327 and STAT 171 or equivalent.*

**331 Promotional Concepts.** (3) Emphasis on discussing effective ways to implement integrated marketing communications. Attention is given to the in-depth treatment of different types of promotional elements. Students learn through exposure to consumer theories how to develop, implement, and evaluate effective communication strategies. *Prerequisite: MKTG 327.*

**333 Consumer Behavior.** (3) The application of behavior science concepts and methods to the solution of marketing problems and the development of marketing strategies. Psychological and socio-cultural factors are examined in relation to the consumer decision-making process. *Prerequisite: MKTG 327.*

**335 Professional Selling.** (3) Learning to develop and apply essential professional selling skills through the use of interpersonal communication to effectively market yourself and the organization you represent. Basic concepts, processes, and techniques for selling, including customer analysis, prospecting, developing rapport, handling objections, customer service, and other related areas. *Prerequisite: MKTG 327.*

**337 Services and Product Marketing.** (3) Analyze marketing of services and products from a managerial and consumer perspective using key concepts to create a competitive advantage. Students will apply these skills in developing a new service entity. *Prerequisite: MKTG 327.*

**343 Retailing Management.** (3) Introduce and analyze retailing from a management viewpoint. Emphasis is on elements that include types of retailers, omni-channel marketing strategies, consumer shopping behavior, selecting retail locations, merchandising, and customer service. *Prerequisite: MKTG 327.*

**371 Internet Marketing.** (3) The course provides an in-depth knowledge of strategies and tactics used by organizations to conduct online marketing. An examination of how businesses use the Internet to sell and support products and services and communicate effectively to stakeholders. *Prerequisite: MKTG 327.*

**400 Marketing Internship.** (1-12, repeatable to 12) Integrates marketing theories with application to actual business practice. All internships are supervised by a faculty coordinator and an executive in the business firm. In order to receive maximum credit, the student must be in a full-time position for a

minimum of 16 weeks. Proportional credit will be granted for internships of shorter duration or with less working hours. *These hours cannot be applied toward meeting the requirements for a Marketing minor. Prerequisites: Marketing major or minor, minimum junior standing, 2.75 GPA, 9 s.h. of Marketing coursework, and written approval of School Director. Graded S/U only.*

**411 Mobile Marketing.** (3) This course explores mobile marketing, technology, applications, and implementation strategies that increase brand awareness and site traffic, improve customer loyalty, and enhance revenues. Students learn how to develop effective marketing strategies and mobile applications that impact business, commerce, and consumers. *Prerequisite: MKTG 327.*

**417 International Marketing.** (3) (Global Issues) Examine marketing practices in the global environment. Emphasis is on analysis of the cultural, political, economic, legal, technology, and other factors affecting international marketing operations. Students learn how to develop marketing plans and strategies for marketing at an international level. *Prerequisite: MKTG 327.*

**421 Seminar in Marketing Technologies.** (3) The course examines the latest technological advancements being deployed by marketers. Students evaluate the impact of marketing technologies and learn best practice frameworks for developing effective digital marketing strategies. *Prerequisite: MKTG 327.*

**429 Marketing Measurement and Pricing.** (3) The course provides students with skills to measure the effectiveness of marketing strategies. Special emphasis is given to the price component of the marketing mix. Computation, application, and interpretation of commonly used marketing measurements are addressed to evaluate marketing decisions. *Prerequisite: MKTG 327. Prerequisite or Corequisite: CS 302.*

**431 Direct Marketing Management.** (3) The course examines concepts, strategies, and tools of marketing directly to consumers. Students acquire skills in developing effective, direct response to marketing initiatives. Emphasis is on measurement and management of market data, and integration of direct and brand building marketing. *Prerequisite: MKTG 327.*

**441 Customer Relationship Management.** (3) The course examines the concepts, strategies, and tools of developing and sustaining customer experiences and relationships for competitive advantage. Students develop skills in creating effective customer relationship management strategies. *Prerequisite: MKTG 327 or SCM 211.*

**460, 461 Independent Study in Marketing.** (1-3 each, not repeatable) The student works with a Marketing professor to pursue an investigation of special Marketing interest. *Prerequisites: Marketing major or minor, 2.75 GPA or higher, 12 s.h. of Marketing coursework, written permission of the professor and School Director.*

**479 Marketing Practicum in Survey Research.** (3) Student will work one-on-one with a faculty member on a research project in survey research. This course brings together the theory and practice of survey research methods. *Prerequisites: Successful completion of MKTG 329.*

# Management and Marketing

**497 Marketing Management. (3)** A critical discussion of the strategies, processes, and tools of marketing. The emphasis is on integration of the components of marketing strategy for customer satisfaction and company profitability. Students experience and learn how to manage a dynamic marketing environment. *Prerequisites: MKTG 327, an additional 6 s.h. of Marketing coursework, and senior standing.*

## SUPPLY CHAIN MANAGEMENT (SCM)

**211 Supply Chain Management. (3)** A survey course in Supply Chain Management. The student will study strategies involving quality and service, procurement, inventory management, warehousing, material handling, transportation, supplier selection, information flows, international trade, and rigorous statistical analysis of business uncertainties.

**330 Warehouse Management. (3)** An examination of the body of handling and warehousing knowledge common to all materials management. Should provide the student with skills necessary to cope with problems in the areas of purchasing, inventory control, traffic management, and production. *Prerequisite: SCM 211 or permission of instructor.*

**340 Transportation Management. (3)** Deals with the day-to-day buying and selling of transportation services. Reviews the basic job of a traffic manager, the decision variables considered by a traffic manager, the organization position of traffic management, and freight classifications and tariff interpretations. *Prerequisite: SCM 211 or permission of instructor.*

**400 Supply Chain Management Internship. (1-12, repeatable to 12)** Integrates Supply Chain Management theories with application to actual business practice. All internships are supervised by a faculty coordinator and an executive in the business firm. *A maximum of 3 s.h. can be applied toward meeting the requirements for a Supply Chain Management major or minor. Prerequisites: SCM major or minor; written approval of the School Director; completion of SCM 211 with a grade of "C" or higher; 2.0 GPA; and BCOM 320 or COMM 241 or permission of instructor. Graded S/U only.*

**411 Global Supply Chain Management. (3) (Global Issues)** Advanced study of global Supply Chain Management and the managerial functions involved in the movement of goods into and out of businesses. *Prerequisite: SCM 211 or permission of the instructor.*

**451 Supply Chain Negotiation. (3)** Course examines the various aspects and processes of supply chain negotiation, particularly between buyers and sellers of goods and services. Through instruction and practice, students gain knowledge and understanding of the principles and

techniques of business bargaining. Cross-cultural comparisons will be included. *Prerequisite: SCM 211 or consent of instructor.*

**453 Supply Management. (3)** A study of procurement with specific attention to strategic sourcing of goods and services. Emphasis is on supplier relationship management; supplier selection, evaluation, and development; as well as e-sourcing, lean supply chain management, contract management, and purchasing law and ethics. *Prerequisite: SCM 211 or MGT/OM 352 or permission of instructor.*

**457 (Cross-listed with ENGR 457) Project Management. (3)** Presents concepts, steps/techniques required to select, organize, staff, manage, and deliver successful projects. Topics include managing innovation, change, cross-functional teams, and applying critical thinking to meet outcomes/objectives. Aligns with the Project Management Institute's CAPM and PMP certifications. *Not open to students with credit for ENGR 457. Prerequisite: MGT/OM 352 or SCM 211 or ENGR 211 or permission of instructor.*

**460, 461 Independent Study in Supply Chain Management I, II. (1-3 each, not repeatable)** An independent research or study course on Supply Chain Management problems for selected students. *Prerequisites: SCM major or minor, 2.75 GPA or higher, 12 s.h. of SCM coursework, and permission of instructor and School Director.*

**465 Supply Chain Risk Management. (3)** Examination of effective risk management in global supply chains. Topics include: identification of risk sources; contingency planning; risk and disaster mitigation and recovery; responses to government regulatory, sustainability, societal, and stakeholder demands; and financial aspects of managing supply chain risk. *Prerequisites: SCM 340 or 411 or 453 or permission of instructor.*

**470 Inventory Strategy. (3)** A review of current and emerging strategies for managing and controlling inventory levels. Emphasis is on the development of quantitative techniques for successfully managing inventory costs and supply. *Prerequisites: SCM 211 and STAT 171 or equivalent.*

**480 Seminar in Supply Chain Management. (3, repeatable to 6)** An examination of current problems and concepts in Supply Chain Management to be selected by the instructor. Possible topics include, but not limited to, supply chain activities, advanced technologies in supply chain practice, reverse logistics, and supply chain analytics. *Prerequisite: SCM 211 or permission of instructor.*

**499 SCM Knowledge Assessment. (0)** All Supply Chain Management majors are required to complete the knowledge assessment examination prior to graduation. *Prerequisites: senior standing; Supply Chain Management major. Graded S/U only.*

# **Mathematics and Philosophy**

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**Chairperson:** Dr. Victoria Baramidze

**Office:** Morgan Hall 476

**Telephone:** (309) 298-1054

**Email:** mathphil@wiu.edu

**Website:** *wiu.edu/mathphil*

## **Program Offerings and Locations**

- Bachelor of Science in Mathematics: Macomb
- Minor in Applied Mathematics: Macomb
- Minor in Mathematics: Macomb, Quad Cities
- Minor in Middle Level Mathematics Teaching: Macomb
- Minor in Philosophy: Macomb, Online

## **Learning Outcomes**

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

## **Faculty**

Andreev, Aouina, Baramidze, Blackford, Brooks, Chisholm, Dimitrov, Ealy, A.  
Ekanayake, D. Ekanayake, Hansen, Hartweg, Kline, LaFountain, Mann, Martinelli-Fernandez, B. Petracovici, L. Petracovici, Pettit, Powell, Pynes, Tasdan, Turkelli, Yang.

## **GradTrac**

GradTrac is available to Mathematics majors with an option in Mathematics, Data Science and Statistics, or Actuarial Science. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at *wiu.edu/Honors*.

## **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Mathematics (Mathematics and Data Science and Statistics options): Master of Science in Mathematics. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

Mathematics and philosophy exemplify logical analysis in its highest form. Logic is shared by the two disciplines and binds them together. The study of mathematics and philosophy develops students' abilities to read critically, write logically, analyze complementary and contrasting assumptions, and give rigorous justification and arguments. Mathematical knowledge and skills are tools for modeling and solving

quantifiable problems; philosophical training provides tools for analyzing and understanding fundamental issues arising out of human thought and existence.

Mathematics, literally *knowledge, study, learning*, investigates the logic of structure, quantity, and change, developing concepts that provide the foundations and landscape of many fields of knowledge. Mathematicians engage in determining exact explanations for the truth of subtle and complex propositions. Mathematical ideas, studies, and findings range from abstract and theoretical to applied and practical. Applied mathematics and statistics lend effectiveness to study of many fields such as sciences, engineering, economics, finance, and risk management.

Philosophy, literally *love of wisdom*, is the study of the intellectual foundations of every area of human thought and action. Philosophers engage in critical examination of such topics as existence, knowledge, values, religion, science, language, mind, logic, and reasoning. Studying philosophy develops analytic reasoning, promotes clear writing, and provides students with the tools for success in many other professions, such as law, finance, business, public relations, journalism, consulting, and public policy making.

The department offers Mathematics and Statistics courses that fulfill the Natural Sciences and Mathematics requirement of the University General Education Curriculum, as well as Philosophy courses fulfilling the Humanities requirement. Degree programs offered include a major and minor in Mathematics, a comprehensive major in Mathematics Teacher Education (for licensure as a secondary teacher), a minor in Applied Mathematics, a minor in Middle Level Mathematics Teaching (for endorsement in the area of mathematics as a 5th-8th grade teacher), and a minor in Philosophy.

## **Advanced Placement (AP) and College Level Examination Program (CLEP)**

Students scoring 3 or higher on the AP Calculus AB Examination will receive 4 s.h. of credit for MATH 133 and advanced placement into MATH 134. Students scoring 5 or 4 on the AP Calculus BC Examination will receive 8 s.h. of credit for MATH 133 and 134 and advanced placement into MATH 231. Students scoring a 3 on the AP Calculus BC Examination will receive 4 s.h. of credit for MATH 133 and advanced placement into MATH 134.

Students scoring 3 or higher on the AP Statistics Examination will receive 3 s.h. of credit for STAT 171.

Students scoring 53 or higher on the CLEP Calculus Examination will receive 4 s.h. of credit for MATH 133 and advanced placement into MATH 134.

## **Proficiency Examinations**

Proficiency examinations are available from the Proficiency Examination Coordinator (Morgan Hall 476) for the material covered in MATH 133, 134, 231, 137, and STAT 276. The department may approve proficiency examinations in some upper division courses if sufficient justification and evidence of knowledge are presented. Students will receive the appropriate hourly credit for each course for which they pass the proficiency examination.

## **Degree Program**

### **Bachelor of Science—Mathematics**

All students seeking the Bachelor of Science in Mathematics must complete I, II, and III.A, III.B, III.C, or III.D below, and the foreign language/global issues requirement for

# **Mathematics and Philosophy**

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the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

**Note:** Students enrolled in this major may not minor in Applied Mathematics.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 86) .....	55 s.h.
	Except Teacher Education students must complete the University General Education Curriculum Requirements—43 s.h. (p. 69)	
II.	Core Courses.....	19 s.h.
	MATH 133, 134, 231, 311, 341, and either 391† or 444† (1 s.h.)	
III.	Options of Study (select A, B, C, or D)	
A.	Mathematics	
1.	Special Courses .....	12 s.h.
a.	MATH 421 and 435 .....	6 s.h.
b.	Choose one course from: MATH 333, 383, or 433.....	3 s.h.
c.	Choose one course from: MATH 481 or STAT 471.....	3 s.h.
2.	Directed Electives.....	9 s.h.
	Three additional approved upper-division courses in a single focus area. Must include one 400-level course. Focus areas include (but are not limited to) general mathematics, applied mathematics, statistics, natural sciences, and economics. If double majoring in one of the focus areas, approved focus courses may be satisfied by the second major. May include 3–6 s.h. of internship, MATH 496.	
3.	Any Minor .....	16–21 s.h.
4.	Open Electives.....	1–6 s.h.
5.	Other: Choose one course from CS 114 or 214.....	3 s.h.
B.	Mathematics—Teacher Education	
1.	Special Courses .....	24 s.h.
a.	STAT 276.....	3 s.h.
b.	MATH 304, 310, 355, 383, 421.....	17 s.h.
c.	MATH 381 or 389 .....	1 s.h.
d.	MATH 433 or 435.....	3 s.h.
2.	Other .....	42 s.h.
a.	8 s.h. science sequence.....	8 s.h.
b.	MATH/EDUC 439.....	4 s.h.
c.	EDS 202, 301, 303 (2 s.h.), 304 (1 s.h.), 305, 401.....	13 s.h.
d.	RDG 387 or ENG 366.....	2 s.h.
e.	SPED 390.....	3 s.h.
f.	STCH 480.....	12 s.h.
C.	Data Science and Statistics	
1.	Special Courses .....	18 s.h.
a.	MATH 383 and 481.....	6 s.h.
b.	STAT 276 and 478.....	6 s.h.
c.	DS 435 and 480.....	6 s.h.

# Mathematics and Philosophy

2.	Directed Electives.....	6 s.h.
a.	Choose one course from: DS 303 or STAT 474.....	3 s.h.
b.	Select 3 s.h. from approved Computer Science (CS), Decision Sciences (DS), Mathematics (MATH), or Statistics (STAT) courses .....	3 s.h.
3.	Other: CS 214, 250, 351, 470.....	12 s.h.
4.	Approved Minor.....	16–21 s.h.
<b>Note:</b> A minor in Algorithms and Data Management is strongly encouraged.		
D.	Actuarial Science	
1.	Special Courses .....	15 s.h.
a.	MATH 383 and 370 .....	6 s.h.
b.	STAT 276, 471, and 472.....	9 s.h.
2.	Directed Electives.....	6 s.h.
Select 6 s.h. from approved Computer Science (CS), Decision Sciences (DS), Finance (FIN), Mathematics (MATH), or Statistics (STAT) courses. May include 3–6 s.h. of internship, MATH 496		
3.	Other .....	18 s.h.
a.	ACCT 201, 460; FIN 331.....	9 s.h.
b.	ECON 231 and 232.....	6 s.h.
c.	CS 114 or 214 .....	3 s.h.
4.	Any Minor .....	16 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
†	MATH 391 or MATH 444 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

## Minors

<b>Minor in Applied Mathematics .....</b>	<b>18–19 s.h.</b>
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**Note:** This minor is not open to students majoring in Mathematics.

1.	MATH 133 or 137 .....	3–4 s.h.
2.	STAT 171 or 276.....	3 s.h.
3.	Select three of the following courses, with at least 6 s.h. in courses numbered above 300: MATH 138, 255, 311, 370, 383, 481; STAT 471, 473, 474, 478 .....	9 s.h.
4.	Select one of the following courses: ACCT 201; CS 214; DS 480, 490; ECON 231; FIN 331.....	3 s.h.

<b>Minor in Mathematics .....</b>	<b>17 s.h.</b>
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1.	MATH 133, 134 .....	8 s.h.
2.	At least 9 hours of approved Mathematics Electives with at least 6 of the hours in courses numbered above 300.....	9 s.h.
<b>Note:</b> Students majoring in Physics and minoring in Mathematics may count PHYS 406 as one three-hour Mathematics elective course numbered above 300.		

<b>Minor in Middle Level Mathematics Teaching .....</b>	<b>24 s.h.</b>
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**Note:** This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.

MATH 106, 128, 137, 206, 367, 402, 407; STAT 171

# **Mathematics and Philosophy**

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## **Minor in Philosophy.....18 s.h.**

Complete a minimum of six courses (18 s.h.) in Philosophy, three of which (9 s.h.) must be 300- or 400-level courses.

## **Courses Not Counting toward a Mathematics Major or the Minor in Mathematics (#)**

The following courses do not count towards a Mathematics major or the minor in Mathematics: MATH 100, 101, 102, 113, 123, 128, 129, 137, 138, 139, 260, 362, 364, 367, 402, 406, 407, 408; STAT 171.

**Note:** The symbol # is placed by each of the numbers above in the course descriptions which follow.

## **Course Descriptions**

### **MATHEMATICS (MATH)**

#### **#100 Core Competency in Mathematics. (4)**

Application of algebraic models (linear, quadratic, exponential) in the study of diverse examples and cases of real-world problems. Interpretation of the models, drawing conclusions, making and verifying predictions. *Graded A, A-, B+, B, B-, C+, C, F, or U.*

#### **#101 Concepts of Mathematics. (3) (General Education/Mathematics)**

An introduction to sets, logic, counting and probability, and statistics to provide students with an insight into mathematical reasoning and its applications.

*Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

*IAI: M1 904.*

#### **#102 Creative Perspectives in Mathematics.**

**(3) (General Education/Mathematics)** Three or four topics chosen from Mathematics of social choice and game theory, management science and graph theory, linear programming, mathematics of finance, geometry and symmetry, emphasizing applications. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

*IAI: M1 904.*

#### **106 Mathematics for Elementary Teaching I.**

**(3)** A first course in Mathematics for elementary and middle school teachers examining the real number system from an algebraic perspective featuring problem solving, applications, and concrete representations. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

#### **110 Introductory College Algebra. (4)**

Algebraic techniques for and applications of linear, quadratic, rational, radical, and exponential expressions and equations, with extensions to college algebra. Introduction to relations, functions, graphs, and logarithms and their use in real-world problems. *Graded A, A-, B+, B-, C+, C, F, or U.*

#### **#113 (Formerly MATH 103) Technical**

**Mathematics. (3)** Topics in algebra, geometry, and trigonometry with applications in technical fields. Ratios and proportions, functions and graphs, equations and systems of linear equations. Area and volume of plane and solid geometric objects. Right triangle trigonometry, laws of sines and cosines. *Prerequisite: MATH 110 or equivalent (C grade or higher) or WIU placement.*

#### **#123 Modeling with Mathematical Functions.**

**(3) (General Education/Mathematics)** The application of numeric, geometric, algebraic, and trigonometric models to analyze situations and solve problems from natural, social, and applied sciences, with integrated use of technology.

*Not open to students with credit in MATH 128.*

*Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

*IAI: M1 907.*

#### **#128 Precalculus Algebra. (3)**

Polynomial, exponential, logarithmic, and rational functions. Emphasis on algebraic manipulation. *Not open to students with credit in MATH 131. Prerequisite: MATH 110 or equivalent (C grade or higher) or WIU placement.*

#### **#129 Precalculus Trigonometry. (3)**

Trigonometric and inverse trig functions, graphing, proving identities, solving equations, and additional trig topics. Some non-trig material such as polar coordinates and complex numbers are included. *Not open to students with credit in MATH 131. Prerequisite: MATH 128 (C grade or better) or equivalent.*

#### **133 Calculus with Analytic Geometry I. (4)**

**(General Education/Mathematics)** Derivatives and integrals of elementary functions with applications and analytic geometry. *Prerequisite: MATH 129 or equivalent (C grade or better).*

*IAI: M1 900-1; MTH 901.*

#### **134 Calculus with Analytic Geometry II. (4)**

**(General Education/Mathematics)** Further techniques of integration with applications, additional topics in analytic geometry, infinite series. *Prerequisite: MATH 133 (C grade or better).*

*IAI: M1 900-2; MTH 902.*

#### **#137 Applied Calculus I. (3) (General**

**Education/Mathematics)** Introduction to differential and integral calculus with applications to business and social science. *Not open to students who have credit for MATH 133. Prerequisite: MATH 128 (C grade or better) or MATH 129, or equivalent.*

*IAI: M1 900-B as MATH 137/138 sequence.*

#### **#138 Applied Calculus II. (3) (General**

**Education/Mathematics)** Extension of basic operations to new functions including functions of several variables with appropriate applications. *Prerequisite: MATH 137 (C grade or better).*

*IAI: M1 900-B as MATH 137/138 sequence.*

#### **#139 Applied Linear Algebra and Finite Mathematics. (3) (General Education/**

# Mathematics and Philosophy

**Mathematics**) Matrix algebra with applications. Topics from finite mathematics. *Not open to students with credit in MATH 311. Prerequisite: MATH 128 (C grade or better) or equivalent, or MATH 123 (C grade or better).*

**206 Mathematics for Elementary Teaching II. (3) (General Education/Mathematics)** A second course in Mathematics for elementary and middle school teachers examining geometry, measurement, and statistical reasoning featuring problem solving and applications using concrete and pictorial representations. *Prerequisite: MATH 106 or equivalent (C grade or higher).*

**211 Euclidean Geometry. (3)** Euclidean geometry through constructions and proofs. Topics include angles, triangles, circles, quadrilaterals, congruence and similarity, area, three-dimensional objects, volume and surface area, and Euclidean transformations. *Prerequisite: MATH 133 or equivalent, or permission of the department chair.*

**231 Calculus with Analytic Geometry III. (4)** Vectors, three dimensional analytic geometry, partial differentiation, and multiple integration. *Prerequisite: MATH 134 (C grade or better). IAI: M1 900-3; MTH 903.*

**255 Discrete Mathematical Structures for Computer Science. (3)** Topics to be studied include sets, logic, method of proof, combinatorial methods, graph theory, and trees. *Prerequisite: MATH 128 or equivalent.*

**#260 Numeric, Algebraic, and Geometric Reasoning for Teaching and Learning. (4)** A mathematics course for elementary and middle school teachers examining numbers, algebra, geometry, and measurement; featuring problem solving, applications, and concrete and visual representations. *Prerequisite: WIU placement or MATH 128 (C or better) or equivalent.*

**266 Algebra and Statistics for Elementary Teaching. (3)** A course for future elementary teachers which examines algebra and statistics with a focus on problem solving, mathematical reasoning, applications, and representations. *Prerequisite: MATH 206 or equivalent (C grade or higher).*

**280 Topics in Computer-Assisted Mathematics. (3)** Computer tools in service to mathematical experimentation and investigation in various subjects; tools include a Computer Algebra System, such as *Mathematica*, and other mathematical software; subjects include calculus, number theory, algebra, geometry, and other areas. *Prerequisites: MATH 231 or equivalent.*

**304 Pedagogical Content Knowledge and Reading in Secondary School Mathematics. (4)** Study of the secondary Mathematics curriculum for purposes of representing knowledge meaningfully for all students. Focus is on conceptual content knowledge, methods of inquiry, appropriate use of technology in the classroom, creation of learning experiences, and instruction in reading Mathematics. *Prerequisites: 2.50 GPA or higher in Mathematics; MATH 341 (C grade or better), and EDS 301; or permission of the department chair. Corequisite: EDS 303 (2 s.h.).*

**310 Euclidean and Non-Euclidean Geometry. (4)** A rigorous study of Euclidean geometry through constructions and proofs. Topics include Euclidean transformations, triangles,

quadrilaterals, circles, congruence and similarity, area, three-dimensional solids, volume, and surface area. Non-Euclidean geometry is introduced via spherical geometry and hyperbolic geometry. *Not open to students with credit in MATH 211 or MATH 411. Prerequisite: MATH 134 or equivalent, or consent of the instructor.*

**311 Linear Algebra. (3)** Systems of linear equations, matrix algebra, vector spaces, linear transformations, and related topics. *Prerequisite: MATH 134; or MATH 138; or MATH 133 and MATH 255; or MATH 137 and MATH 255.*

**333 Ordinary Differential Equations. (3)** Elementary theory and applications of ordinary differential equations including linear equations of first and second order and linear systems. *Prerequisite: MATH 231. IAI: MTH 912.*

**334 Differential Equations Computation Laboratory. (1)** The computer as an investigative tool to study the theory and applications of differential equations. Basic numerical methods such as Euler and Runge-Kutta are illustrated. *Prerequisites: CS 214 and co-enrollment in MATH 333, or consent of instructor.*

**341 Logic and Sets. (3)** Propositional and predicate logic, proof, induction, sets and their finite and infinite operations, relations and functions, Boolean algebra, and cardinality of sets. *Prerequisite: MATH 134 (C grade or better).*

**355 Applied Combinatorics. (3)** Applications of enumerations (counting) and graph theory (networks, circuits, trees) are covered. Combinatorial problems including applications in computer science and operations research are solved through a careful logical analysis of possibilities. *Prerequisite: STAT 276 or MATH 311.*

**#362 Teaching Mathematics in PreK-2nd Grade. (3)** Methods and content for planning, implementing, and assessing math curriculum for children in PreK-2nd grade. *Prerequisites: ECH 271 and 273; MATH 206 or equivalent (C grade or better).*

**#364 Teaching Elementary School Mathematics. (3)** An examination of pedagogical mathematics content in elementary school (Grades 1-6), the development of lesson plans and assessments implementing national and state standards, and integration of technology in the mathematics classroom. *Prerequisites: MATH 206 (C grade or better) or equivalent, MATH 266 (C grade or better) or equivalent, permission of the College of Education and Human Services, and full acceptance into the Teacher Education Program.*

**#367 Teaching Middle School Mathematics. (3)** An examination of the pedagogical Mathematics content in middle school (Grades 5-8), the development of lesson plans and assessments implementing national and state standards, and integration of technology in the Mathematics classroom. *Prerequisite: MATH 128 (C grade or better) or equivalent, MATH 206 (C grade or better) or equivalent, permission of the College of Education and Human Services, and full acceptance into the Teacher Education Program.*

**370 Financial Mathematics. (3)** Calculus based mathematical study of compound interest and annuities with applications to problems in finance. This course covers the mathematics of investment topics for the Financial Mathematics

# Mathematics and Philosophy

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Exam for the Society of Actuaries. Prerequisite: MATH 134 or consent of instructor.

**381 (Cross-listed with BIOL/CHEM/GEOL/METR/PHYS 381) Introduction to STEM Teaching.** (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/GEOL/METR/PHYS 381.* Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.

**383 An Introduction to Mathematical Modeling.** (3) Modeling using graphs, proportionality, and the derivative; the modeling process; model fitting; optimization, dimensional analysis. Prerequisite: MATH 133 and either STAT 171 or STAT 276, or consent of instructor.

**389 Teaching of Algebra Seminar.** (1) A course for students concurrently assigned to assist in laboratory sections of MATH 110. The course will provide students with a weekly forum to reflect upon and discuss experiences from the algebra classroom. Prerequisite: 2.50 GPA or higher in Mathematics with permission of the department chair. Graded S/U only.

**390 Independent Study. (1-3, repeatable to 3)** Prerequisites: sophomore standing and consent of instructor.

**391 Writing in the Mathematical Sciences.** (1) Issues of technical writing and the effective presentation of Mathematics in formal and informal formats. Instruction and practice in writing. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: MATH 231; ENG 280. Corequisite: Any 300- or 400-level MATH or STAT course counting toward a major in Mathematics.

**#402 Investigations in School Geometry.** (3) A conceptual development of geometry through the investigation of geometric relationships and informal understandings leading to formal deductions. Topics include proofs, transformations, measurement, and coordinate geometry. Middle school mathematics standards will be emphasized. Prerequisite: MATH 123 or MATH 128 or equivalent.

**#406 Problem Solving and the History of Mathematics.** (3) Various problems, their solutions, related mathematical concepts, and their historical significance are analyzed through investigation of classic problems and their connection to middle school mathematics. Contributions by Archimedes, Descartes, Eratosthenes, Euler, Gauss, Pascal, Pythagoras, and others are studied. Open only to students majoring in an Elementary Education program or Middle Level Education program. Prerequisite: MATH 123 or 128 or equivalent.

**#407 Number Theory Concepts in School Mathematics.** (3) Divisibility, prime numbers, perfect numbers, modular arithmetic, linear Diophantine equations, and related topics. Open only to students majoring in an Elementary Education program or Middle Level Education

program. Prerequisite: MATH 123 or MATH 128 or equivalent.

**#408 Mathematical Topics and Technology for Middle School.** (3) The study of programming, algorithms, and technology resources to investigate concepts and connections in the content areas of middle school Mathematics. Prerequisite: MATH 123 or MATH 128 or equivalent.

**411 Geometry.** (3) A rigorous study of Euclidean and non-Euclidean geometries. The necessary axioms are introduced and several models including the hyperbolic geometry are examined. Prerequisite: MATH 341.

**421 Abstract Algebra.** (3) An introduction to the basic properties of groups, rings, and fields. Prerequisite: MATH 341.

**424 Advanced Linear Algebra.** (3) Matrix algebra, vector spaces, linear independence, bases, linear transformations, canonical forms, inner product spaces. Prerequisite: MATH 311 and 341, or equivalent.

**430 Multivariable Calculus.** (3) The algebra of functions, continuity, differentiation, and integration of n-place functions, and related topics. Prerequisites: MATH 231 and 311.

**433 Complex Variables and Applications.** (3) Functions of a complex variable including differentiation, integration, series, residues, and conformal mappings. Applications to evaluation of real integrals and boundary value problems. Prerequisite: MATH 231.

**435 Introduction to Real Variables I.** (3) Topology of the real line, sequences, limits, and series. Rigorous introduction to the study of one-variable functions, continuity, differentiability, and integrability based on the epsilon-delta method. Prerequisites: MATH 231 and 341.

**439 Teaching and Assessment in Secondary School Mathematics.** (4) A study of teaching strategies and current trends in secondary mathematics education. Students will focus on curriculum, lesson-planning, and assessment, and will learn to effectively incorporate technology into the teaching and learning of mathematics. Open to Teacher Education majors only. Prerequisite: 2.50 GPA or higher in Mathematics; MATH 304, MATH 341, and co-registration in EDS 304; or permission of the department chair.

**444 Undergraduate Research Project.** (1-2) Dedicated, individual pursuit of a mathematical topic/application from an area of research that is represented within the department culminating in a final paper or presentation to peers and faculty. *Writing Instruction in the Disciplines (WID) course.* Prerequisites: MATH 341, ENG 280, junior standing, and consent of instructor.

**480 Student Teaching.** (12) See STCH 480 in Teacher Education curriculum. Credit for Teacher Education major only.

**481 Numerical Analysis I.** (3) A survey of current methods in numerical analysis. Error analysis, solution of nonlinear equations and systems of linear equations, polynomial interpolation and approximations, and related topics. Prerequisites: CS 214 and MATH 311; or consent of instructor.

**483 Biomathematics.** (3) Mathematical modeling of biological systems. Derivation and

study of continuous time Markov chain models and corresponding ordinary differential equation models. *Prerequisites: MATH 134 and 311, and either STAT 276 or 471; or equivalent.*

### 488 Models in Applied Mathematics. (3)

Theory and computer exploration of mathematical models using difference equations, differential equations, and dynamical systems. Applications from the sciences. *Prerequisites: CS 214, MATH 231 and 311; or consent of instructor.*

### 496 Internship. (3-12, repeatable once, to

12) An internship in an approved area relating to applied mathematics or statistics, conducted at a professional institution or government organization. It is expected that the experience will culminate in a final paper or portfolio. *Only 3 s.h. per semester can be included in the major. A maximum of 6 s.h. may be included in the major.* *Prerequisites: completion of 12 s.h. of upper-division MATH courses and approval of the department.* Graded S/U.

### 497 Honors Mathematics Seminar. (1-3,

repeatable to 6) *Prerequisites: 3.00 GPA in Mathematics and either MATH 341 or consent of instructor.*

## STATISTICS (STAT)

### #171 General Elementary Statistics. (3)

(General Education/Mathematics) Principles and applications of sampling, estimation, and hypothesis testing. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

*IAI: M1 902.*

### 276 Introduction to Probability & Statistics.

(3) Probability laws, random variables, probability distribution functions, population parameters, counting rules, statistics and sampling, estimating, testing hypotheses, regression, and correlation. *Prerequisite: MATH 133 or 137 or equivalent.*

### 471 Introduction to Mathematical Statistics I.

(3) The mathematical foundations of probability and statistics, principles of probability, sampling, distributions, moments, and hypothesis testing. *Prerequisite: MATH 138 or 231 or equivalent.*

### 472 Introduction to Mathematical Statistics II.

(3) Continuation of STAT 471 including further topics in estimation and hypothesis testing. *Prerequisite: STAT 471.*

### 473 Nonparametric Statistical Methods.

(3) Systematic development of nonparametric statistical methods. Topics include: order statistics, ranks, empirical distribution functions, point and interval estimations, hypothesis tests such as sign rank test, Mann-Whitney-Wilcoxon, Kruskal-Wallis, Kolmogorov-Smirnov, permutation, and bootstrap methods. *Prerequisite: STAT 276 or 471 or consent of the instructor.*

### 474 Regression and Correlation Analysis. (3)

Least squares theory; correlation theory; simple, multiple, and stepwise regression; computer assisted model building; and applied problems. *Prerequisite: STAT 276 or equivalent.*

### 478 Analysis of Variance. (3) A study of analysis of variance and covariance with

applications. Includes experimental design. *Prerequisite: STAT 276 or equivalent.*

## PHILOSOPHY (PHIL)

### 100 Introduction to Philosophy. (3) (General Education/Humanities)

An introduction to some of the fundamental problems and major theories in philosophy. Topics may include the existence of God, knowledge and skepticism, the nature of mind, free will and determinism, and the nature of ethical reasoning.

*IAI: H4 900.*

### 120 Contemporary Moral Problems.

(3) (General Education/Humanities) An introduction to ethics, with an emphasis on applied ethics and moral reasoning. Different moral theories will be used to explore topics such as sexuality, reproductive issues, animal rights, environmental ethics, racial and gender discrimination, euthanasia, and capital punishment.

*IAI: H4 904.*

### 140 Logic and Reasoning. (3) (General Education/Humanities)

An introduction to logic and reasoning with emphasis on practical applications including scientific reasoning. The course examines methods for evaluating the structures of inductive and deductive arguments and how language is used in argumentation.

*IAI: H4 906.*

### 205 Philosophy, Law and Society. (3) (General Education/Humanities)

An introductory course considering some fundamental philosophical problems concerned with law and society including power and authority, anarchy and freedom, law and justice, crime and punishment.

### 220 (Cross-listed with WS 220) Feminism and Ethics. (3) (General Education/Multicultural Studies)

A multicultural and comparative investigation of feminist issues in ethics and women's contributions to moral theory. *Not open to students with credit in WS 220.*

### 300 History of Ancient Philosophy. (3) A

study of the origin of Western philosophy and the development of philosophical ideas in Ancient Greece, beginning with the earliest Pre-Socratic philosophers and including Socrates, Plato, and Aristotle. *BGS online writing course.* *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

### 310 History of Modern Philosophy. (3) An

examination of the central metaphysical and epistemological doctrines of such seventeenth and eighteenth century philosophers as Descartes, Locke, Berkeley, Hume, and Kant. Topics may include knowledge, skepticism, innate ideas, substance, God, causality, mind, and perception. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

### 312 Philosophical Writing. (1) Instruction

and experience in writing a paper which explains and critically evaluates a philosophical text or argument. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: ENG 280 and consent of department chairperson.* *Corequisite: any 300- or 400-level Philosophy course.*

### 320 Analytic Philosophy. (3) An examination

of twentieth century philosophy through the writings of Russell, Wittgenstein, the logical

# Mathematics and Philosophy

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positivists, and other important figures of the analytic tradition. Topics may include knowledge of the external world, language and reality, and the possibility of metaphysical knowledge. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**325 Existentialism.** (3) An examination of the ideas of freedom, self/other, the value of authenticity, death, and the meaning of existence in the works of major existentialist philosophers such as Kierkegaard, Nietzsche, Heidegger, Sartre, De Beauvoir, and Camus. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**330 Moral Philosophy.** (3) A study of classical and contemporary ethical ideas and theories such as moral relativism, egoism, Kantian ethics, utilitarianism, and virtue ethics. *BGS online writing course. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**333 Environmental Ethics.** (3) A study of ethical issues regarding the relationship between human beings and non-human nature. Topics include the moral status of animals and other living things, intergenerational justice regarding pollution and conservation of natural resources, and the value of wilderness protection. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**335 Epistemology.** (3) A critical study of selected topics in epistemology, such as the analysis of knowledge, skepticism, a priori knowledge, and the nature and structure of justification. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**340 Symbolic Logic.** (3) A study of deductive logic covering the logic of sentences and the logic of predicates. *Prerequisite: PHIL 140 or consent of instructor.*

**345 Metaphysics.** (3) A critical study of selected topics in metaphysics, such as the nature of properties, possible worlds, personal identity, free will, the mind, time, and the possibility of metaphysical knowledge. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**400 Social and Political Philosophy.** (3) An investigation of some of the philosophical problems arising from political society, such as authority and obligation, freedom and rights, justice and equality, coercion and punishment. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**405 Philosophy of Religion.** (3) A critical examination of the philosophical issues arising from religious beliefs, utilizing historical and

contemporary writings. Topics may include the existence of God, evil, faith, religious pluralism, and the relation between religious beliefs and ethics. *Not open to students with credit in REL 405. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**415 Philosophy of Science.** (3) An examination of philosophical problems arising from the natural sciences such as the nature of scientific explanation and the justification of scientific theories. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**420 Philosophy of Law.** (3) An examination of philosophical problems raised by law including the nature and aims of law, the relation of law and morality, the rationale of legal responsibility and punishment, and legal obligation and the rule of law. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**425 Philosophy of Mind.** (3) A critical study of selected topics in the philosophy of mind, such as consciousness, intentionality, dualism, the varieties of materialism, functionalism, and artificial intelligence. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**440 Legal Reasoning.** (3) An investigation into judicial decision making and legal reasoning focusing on case precedent, logical coherence, and the role of interpretation in the reasoning process. *Prerequisite: any 100- or 200-level Philosophy course or permission of instructor.*

**490 Bachelor's Thesis in Philosophy.** (3) Selection of topic, preparation of outline and bibliography, writing of thesis, oral defense of thesis. *Graded S/U only. By arrangement.*

**495 Internship.** (1-3, repeatable to 6) One credit hour is available for every 40 hours worked. Supervised work assignments in public or private agencies requiring critical thinking and problem solving tasks. Student is responsible for locating acceptable employment. Work assignments related to legal concerns are encouraged. *Prerequisites: 2.50 GPA in the Philosophy major, junior or senior standing, minimum of 12 hours completed in the major, and permission of department chairperson or internship coordinator. A maximum of 3 s.h. may be counted toward the major.*

**499 Directed Readings.** (1-3, repeatable with no maximum) Individual study of particular philosophical texts or problems. *Prerequisites: two courses in Philosophy and consent of the instructor. By arrangement.*

**Chairperson:** LTC Mark Christiansen

**Advisor:** Mr. Larry Pickett

**Office:** Horrabin Hall 103

**Telephone:** (309) 298-1161

**Fax:** (309) 298-3290

**Website:** [wiu.edu/ROTC](http://wiu.edu/ROTC)

## Program Offering and Location

- Minor in Military Science: Macomb

## Faculty

LTC Christiansen, MAJ Lee, CPT Natalie, MSG Sykes, SFC Draughan, Mr. Pickett.

## Program Information

The Military Science program provides instruction and practical experience in leadership and management that will help students succeed in any desired career, civilian or military. Students take Military Science courses while majoring in any discipline at the University. Those students seeking a commission in the United States Army may minor in Military Science if they desire.

## Requirements for Commission

1. Completion of requirements for baccalaureate degree.
2. Departmental core in Military Science under the **Four-Year Program** (18 s.h.)
  - a. MS 111—Leadership and Personal Development and MS 112—Introduction to Tactical Leadership (2 s.h.)
  - b. MS 211—Innovative Team Leadership and MS 212—Foundations of Tactical Leadership (4 s.h.)
  - c. MS 311—Adaptive Tactical Leadership and MS 312—Leadership in Changing Environments (6 s.h.)
  - d. Cadet Leadership Course (CLC) (6 s.h. placement credit)
  - e. MS 411—Developing Adaptive Leaders and MS 412—Leadership in a Complex World (6 s.h.)
3. Departmental core in Military Science under the **Two-Year Program** (18 s.h.)
  - a. Cadet Basic Camp or equivalent training (6 s.h. placement credit)
  - b. MS 311—Adaptive Tactical Leadership and MS 312—Leadership in Changing Environments (6 s.h.)
  - c. Cadet Leadership Course (CLC) (up to 6 s.h. placement credit)
  - d. MS 411—Developing Adaptive Leaders and MS 412—Leadership in a Complex World (6 s.h.)
4. Maintain a University cumulative grade point average of 2.00 or better.
5. Meet prescribed medical and fitness standards.
6. Completion of History 304 (earning a minimum grade of "C").

## Advanced Placement

Students with prior military service may receive credit for advanced placement.

# Military Science

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## Minor

**Minor in Military Science.....18 s.h.**

1. Military Science core (MS 311, 312, 411, 412) at the junior and senior level.....12 s.h.
2. HIST 304.....3 s.h.
3. Approved elective in an area other than the student's major .....3 s.h.

***Note:*** Electives must be approved by Professor of Military Science.

## Extra-Curricular Activities

Western Illinois University Army ROTC has three extra-curricular teams: Color Guard, Ranger Team, and Rifle Club. These activities involve team competition with other universities. A description of these may be found in the Student Handbook.

## Reserve Officers' Training Corps (ROTC)

The Western Illinois University Department of Military Science offers a variety of opportunities for qualified students to earn a commission as an officer in the United States Army. Commissions are earned through ROTC while the students obtain their bachelor's or master's degree in the academic discipline of their choice. Many students earn their degrees with federal or state ROTC scholarship assistance from ROTC. The opportunities to obtain a commission include a four-year program and a two-year program.

## Four-Year Program

The Four-Year Program consists of the Basic Course (first two years) and the Advance Course (second two years). University academic credit is earned for all coursework satisfactorily completed.

**Basic Course:** Basic Course enrollment is usually limited to freshmen and sophomores. Each year, freshmen and sophomores compete for several ROTC state and federal scholarships. Basic Course students do not incur any military obligation. During the period of the Basic Course, the students decide whether they want to enter the Advance Course. The Department of Military Science evaluates their qualifications and determines their eligibility for acceptance.

**Advanced Course:** Advanced Course students include all students who have successfully completed the Basic Course or received advanced placement credit for the Basic Course. Entry into the Advanced Course is a joint decision by the student and the Department of Military Science. Requirements include being of good character, a U.S. citizen, under 33 years of age (waiver possible) upon graduation and commissioning, medically qualified, not a conscientious objector, and maintaining a 2.50 grade point average. Students who sign a contract with the government earn a \$420 tax-free stipend each month during the academic year. Advanced Course students incur a military obligation in either the Army Reserve, National Guard, or Active Army. Students can be guaranteed Reserve Forces Duty or National Guard Duty. Coursework for the Advanced Course spans two years and is discussed in the Military Science course descriptions. Advanced Course students also attend a Cadet Leadership Course of approximately 36 days duration, normally between their junior and senior years. Students receive pay, travel allowance, and room and meal plan while attending the course.

## Two-Year Program

The Two-Year Program permits the student who has successfully completed the ROTC Cadet Basic Camp, or who has prior service as Active Duty, National Guard, or Reserves, to enter directly into the Advanced Course Program. The ROTC Cadet Basic Camp is approximately four weeks long and provides military training in such subjects as leadership, rappelling, map reading, rifle marksmanship, physical fitness, tactics, communications, first aid, and water survival. The student attending ROTC Cadet Basic Camp is paid to attend and receives free lodging, meals, and college credit (up to 6 elective hours). There is no service obligation connected with the course. The course is designed to provide the student with Basic Course credit. Students wishing to attend the Cadet Basic Camp should apply early in the Spring semester.

## Scholarships and Financial Aid

### Scholarships

Federal and state ROTC scholarships are available on a competitive merit basis to qualified students. Scholarships are awarded based upon merit, not financial need. Scholarships are awarded based upon evidence of scholastic ability, military aptitude, and demonstrated leadership ability. The Federal ROTC scholarship covers either tuition and most fees, or room and board. Either option provides a book allowance of \$1,200. The State ROTC scholarship pays only tuition and some fees.

### Financial Aid

During the last two years of Military Science, contracted Advanced Course students receive a total subsistence allowance of approximately \$9,500 tax-free. This allowance is received in monthly installments during the school year. Simultaneous Membership Program cadets (those serving in drilling National Guard or Army Reserve units) also receive drill pay equivalent to E-5, but perform duties commensurate with those of a junior officer.

## Army Nurse Corps Program

The Reserve Officer Training Corps (ROTC) provides an opportunity for college Nursing students to receive practical, hands-on leadership experience. The ROTC courses provide a chance for students to develop management, communication, and decision-making skills. Students interested in obtaining a Bachelor of Science in Nursing may enroll in ROTC. Students may enroll as a freshman, sophomore, or as late as an entering college junior. Upon completion of the program, students obtain nursing experience as a commissioned officer in the United States Army. Specialized financial and educational benefits are available to qualified students.

## Commission as a Second Lieutenant

Upon completion of University and ROTC requirements, students are commissioned as Second Lieutenants in one of 17 branches determined by a market-model system that incorporates individual preference with a holistic assessment of academic performance, physical fitness, and leadership attributes. Newly commissioned officers may fulfill their service obligation in the Active Army, the Army Reserve, or the Army National Guard. Service in the Army Reserve or Army National Guard is an ideal way of blending a full-time civilian career with part-time service to the country as an officer. Students may also request to delay their military duties to attend graduate school or to attain professional degrees. Students desiring further information should visit the Department of Military Science in Horrabin Hall, Room 103, or call (309) 298-1161.

# Military Science

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## Course Descriptions

### MILITARY SCIENCE (MS)

#### **111 Leadership and Personal Development.**

(1) A course designed to introduce students to Army ROTC and the organization of the U.S. Army and its role in American society. Teach fundamental concepts in leadership in both classroom and outdoor activities. Increase self-confidence through optional activities in rappelling, leadership reaction course, and basic marksmanship.

#### **112 Introduction to Tactical Leadership. (1)**

A continuation of MS 111. This course continues to build a knowledge base of soldier skills such as first aid, marksmanship, and writing. Expands students' opportunity for and knowledge of leadership skills through basic drill, rappelling, and the leadership reaction course.

#### **211 Innovative Team Leadership. (2)**

Students participate in discussions of selected leadership principles and the methods of military instruction. Introduction to a Leadership Development Program which assesses using 16 leader dimensions. Instruction in basic individual military skills.

#### **212 Foundations of Tactical Leadership. (2)**

Continuation of discussions of personal leadership development and individual military skills. Exercises in team building, small unit leadership techniques, and military map reading.

#### **298 Individual Studies. (1-3)**

Special study in Military Science carried out under the supervision of a faculty member. *Limited to enrolled Military Science students. Prerequisite: permission of the department chairperson.*

#### **311 Adaptive Tactical Leadership. (3)**

Theories and techniques of military leadership. Concentration on leader-group interaction, organizational demands, communication, and counseling. Practical opportunities to lead small groups, receive assessment, and lead in situations of increasing complexity. Application of leadership techniques in small unit tactics and

preparation for Advanced Camp. *Prerequisites: MS 111 and 112, and MS 211 and 212, or Cadet Initial Entry Training, and consent of the department chairperson. Field trips required. 3 hrs. lect.; 2 hrs. lab.*

#### **312 Leadership in Changing Environments.**

(3) Continues methodology of MS 311. Tactical organization and operations, and small unit leadership of rifle squad and platoon in the attack and defense. Written and oral presentations of operations orders, reports, and control systems. Proficiency in land navigation. Preparation for Advanced Camp. *Prerequisites: MS 311 and consent of the department chairperson. Field trips required. 3 hrs. lect.; 2 hrs. lab.*

#### **411 Developing Adaptive Leaders. (3)**

Designed to prepare the cadet for transition to lieutenant. Students will learn the expectations and duties of the newly commissioned officer, including command and staff functions through classroom discussion. They will also function as a battalion level command and staff element. MS 411 will also continue to improve presentation skills, after action review/reports, Army Training Doctrine, operation orders, and military justice. *Prerequisites: MS 312 and consent of the department chairperson. 3 hrs. lect.; 2 hrs. lab.*

#### **412 Leadership in a Complex World. (3)**

Culmination of the leader development process at the pre-commissioning level, preparing for the transition from cadet to lieutenant. Training is to solidify the commitment to officership, reinforce individual competencies, and offer practical leader experiences. Includes the study and application of oral and written communications, leadership/professional ethics, logistics, and maintenance. *Prerequisites: MS 411 and /or consent of the department chairperson. 3 hrs. lect.; 2 hrs. lab.*

#### **498 Individual Studies. (1-3)**

Special study in Military Science carried out under the supervision of a faculty member. *Limited to enrolled Military Science students. Prerequisite: permission of the department chairperson.*

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**Director:** Dr. Jeffrey Brown  
**Office:** Browne Hall 122  
**Telephone:** (309) 298-1544  
**Website:** [wiu.edu/music](http://wiu.edu/music)

## **Program Offerings and Locations**

- Bachelor of Music: Macomb
- Minor in Jazz Studies: Macomb
- Minor in Music: Macomb
- Minor in Music Business: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Ashe, Baker, Bean, Brown, Cangro, Chadwell, Chasteen, Chin, Chinen, Cooper, Coover, Fansler, Gardner, Gillotti, Ginsberg, Hardeman, Hawkins, Hughes, Jones, Ko, Kurasz, Land, Landowski, Lee, Locke, Miguel, Mihai, Nichols, Romig, Sevcik, Szabo, Thomas, Turner, Walker, Winnie, Yi.

## **GradTrac**

GradTrac is available to Music majors with an option in Applied Music. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **School Information**

The School of Music has been an accredited member of the National Association of Schools of Music since 1961 and offers a Bachelor of Music degree with options in Applied Music (performance, jazz, composition), Music Business, Music Therapy, and Music Teacher Education. Students may elect to study in keyboard, voice, winds, strings, and percussion as well as specialized study in jazz and composition. Certification as a music therapist is available through the Certification Board for Music Therapists (CBMT). The School of Music also offers minors in Liberal Arts Music, Music Business, and Jazz Studies. All majors and minors (except Music Business minor) must pass entrance performance auditions.

The Music Teacher Education option prepares students to teach Music in the public schools. All Music Education students must appear before the Student Teaching Committee of the School of Music for evaluation of competencies and skills prior to student teaching. Final approval for student teaching is granted only by this committee. Students may obtain Illinois K-12 licensure in Music by completing degree requirements and state licensure tests.

# **Music**

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International students seeking admission into the School of Music must have the following scores in English proficiency tests: IBT TOEFL 79 or paper TOEFL 550 or IELTS 6.5.

## **Degree Program**

### **Bachelor of Music**

All students seeking the Bachelor of Music must complete I and II, plus III.A, III.B, III.C, or III.D below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 124 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

- |      |  |         |
|------|--|---------|
| I.   | University General Education Curriculum (p. 69) .....  | 43 s.h. |
|      | Option D, Teacher Education, should include a General Education Mathematics course.  |         |
| II.  | Core Courses.....  | 22 s.h. |
| A.   | MUS 165, 166, 181, 182, 183, 184, 281, 282, 283, 284, 330, 390†, 391†  |         |
| B.   | Seven semesters of MUS 100 with a satisfactory grade (S) are required for graduation. Transfer students require as many semesters of MUS 100 with a satisfactory grade (S) as they are in residence minus one semester (example: a student in residence for five semesters must complete four semesters of MUS 100 with a grade of S). |         |
| III. | Options of Study (select A, B, C, or D)  |         |
| A.   | Applied Music (Comprehensive)—Choose principal 1, 2, 3, 4, 5, or 6 as approved by advisor  |         |
| 1.   | String Performance   |         |
| a.   | Special Courses.....   | 12 s.h. |
|      | MUS 265, 266, 381, 461 (2 s.h.), 483, and 492  |         |
| b.   | Music Electives .....  | 9 s.h.  |
|      | Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489  |         |
| c.   | Music Ensembles.....   | 8 s.h.  |
|      | Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.   |         |
| 1)   | Violin, Viola, Cello, and Bass: 8 s.h. total in MUS 101 and 102  |         |
| 2)   | Guitar: 4 s.h. in MUS 101, 105, 106, 113, 114, or 117; 4 s.h. in MUS 127 or 128  |         |
| d.   | Applied Study .....  | 24 s.h. |
|      | Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).   |         |
| e.   | Music Electives .....  | 8 s.h.  |
| 2.   | Wind/Percussion Performance  |         |
| a.   | Special Courses.....   | 11 s.h. |
|      | MUS 265, 266, 332, 381, 483, and 490 (1 s.h.)  |         |

- b. Music Electives ..... 9 s.h.  
Choose 9 s.h. from the following MUS courses: MUS 301, 331, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489
- c. Music Ensembles ..... 8 s.h.  
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.  
1) 8 s.h. total; minimum of 6 s.h. in MUS 101, 113, or 114  
2) Trumpet, Trombone, and Saxophone principals may satisfy 2 s.h. out of the total 8 s.h. required by registering for MUS 117
- d. Applied Study ..... 24 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).
- e. Music Electives ..... 9 s.h.
3. Piano Performance
- a. Special Courses ..... 12 s.h.  
MUS 167, 381, 465, 466, 495, and 496
- b. Music Electives ..... 9 s.h.  
Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489
- c. Music Ensembles ..... 8 s.h.  
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.  
1) 4 s.h. total in MUS 101, 102, 105, 106, 113, 114, 116, or 117  
2) 2 s.h. of MUS 125  
3) 2 s.h. of MUS 127 or 129
- d. Applied Study ..... 24 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).
- e. Music Electives ..... 6 s.h.
4. Vocal Performance
- a. Special Courses ..... 21 s.h.  
1) MUS 262, 263, 265, 266, 381  
2) 4 s.h. each of French (FR) and German (GER)  
3) 4 s.h. of MUS 499
- b. Music Electives ..... 9 s.h.  
Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489
- c. Music Ensembles ..... 8 s.h.  
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.  
1) Minimum of 6 s.h. in MUS 105 or 106  
2) By advisor approval, 1-2 s.h. out of the total 8 s.h. required may be satisfied by performing major operatic roles in MUS 109

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- d. Applied Study ..... 24 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).
  - 5. Jazz Studies
    - a. Special Courses ..... 22 s.h.  
MUS 167, 187, 265, 266, 267, 337, 367, 381, 387, 397, 487, and 497
    - b. Music Electives ..... 9 s.h.  
Choose 9 s.h. from the following MUS courses: MUS 141, 195, 301, 331, 332, 341, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 483, 485, 489
    - c. Music Ensembles ..... 8 s.h.  
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.
      - 1) 4 s.h. in MUS 117. Guitar, Piano, Bass, and Drum set principals may substitute up to 2 s.h. MUS 128.
      - 2) 4 s.h. in MUS 127
    - d. Applied Study ..... 16 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).
    - e. Music Electives ..... 7 s.h.
  - 6. Composition
    - a. Special Courses ..... 24 s.h.  
MUS 215 (2 s.h.), 265, 266, 381, 411 (8 s.h.), 481, 483, and 485
    - b. Music Electives ..... 9 s.h.  
Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 482, 489
    - c. Music Ensembles ..... 8 s.h.  
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement. Minimum of 4 s.h. in MUS 101, 105, 106, 113, 114, or 117
    - d. Applied Study ..... 16 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for four semesters on their principal instrument.
    - e. Music Electives ..... 5 s.h.
- B. Music Business (Comprehensive)
- 1. Special Courses ..... 15 s.h.  
MUS 141, 195\*, 242, 341, 248 or 485, 441, 442 (3 s.h.)
  - 2. Music Ensembles ..... 8 s.h.  
Students must register each semester for credit and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. No more than one ensemble per semester may be used to satisfy the ensemble requirement. Students must participate on their principal instrument for the number of hours specified below unless indicated otherwise by the ensemble director
    - a. Winds/Percussion: 6 s.h. minimum in MUS 101, 113, 114, 116, 117
    - b. Strings: 6 s.h. minimum in MUS 101 or 102

- c. Piano: 4 s.h. in MUS 101, 105, 106, 113, 114, 116, or 117; 2 s.h. in MUS 125; 2 s.h. in MUS 127 or 129
  - d. Voice: 4 s.h. minimum in MUS 105 or 106; 2 s.h. minimum in MUS 105, 106, 107, 108, or 109
  - e. Guitar: 4 s.h. in MUS 101, 105, 106, 113, 114, or 117; 4 s.h. in MUS 127 or 128
  - 3. Applied Study ..... 12 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for two semesters on their principal instrument.
  - 4. Other Requirements ..... 21 s.h.  
ACCT 200; BCOM/CSTM/ET 320 or MGT 349; CS 101, 302; ECON 232\*; MKTG 327; PSY 100\*
  - 5. Directed Electives in a grouping approved by advisor to total 16 s.h.  
(7 s.h. of which must be in Music) ..... 16 s.h.  
HRM 353, 441, 442, 443, 444, 446, 449  
MGT 350, 425, 445, 447, 448, 474, 481, 483, 485  
MKTG 317, 331, 333, 335, 343, 371, 411, 417, 431, 441  
MUS 241, 342, 343, 344, 345, 348, 485
- C. Music Therapy (Comprehensive)
- 1. Special Courses ..... 34 s.h.  
MUS 151, 157, 158, 162, 254, 255, 258 (1 s.h.), 261, 264, 268, 354, 355, 358 (2 s.h.), 451, 452, 453, 454, 455, 457 (4 s.h.), 458 (1 s.h.)
  - 2. Music Ensembles ..... 8 s.h.  
Students must register each semester for credit and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. No more than one ensemble per semester may be used to satisfy the ensemble requirement. At least 1 s.h. of the total number of ensemble hours must be fulfilled by singing in MUS 105, 106, 107, or 108. After the principal instrument and singing requirements have been met, students may choose any University catalog ensemble to complete the total 8 s.h.
    - a. Winds/Percussion: 6 s.h. minimum in MUS 101, 113, 114, 116, 117
    - b. Strings: 6 s.h. minimum MUS 101 or 102
    - c. Piano: 4 s.h. in MUS 101, 105, 106, 113, 114, 116, or 117; 2 s.h. in MUS 125; 2 s.h. in MUS 127 or 129
    - d. Voice: 4 s.h. minimum in MUS 105 or 106; 2 s.h. minimum in MUS 105, 106, 107, 108, or 109
    - e. Guitar: 4 s.h. in MUS 101, 105, 106, 113, 114, or 117; 4 s.h. in MUS 127 or 128
  - 3. Applied Study ..... 12 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for two semesters on their principal instrument.
  - 4. Other requirements of certifying music therapy association ..... 16 s.h.  
BIOL 100\* or 101\* or 204\*, KIN 290; PSY 100\*, 424; SOC 100\*
- D. Music—Teacher Education (Comprehensive)
- 1. Special Courses ..... 10 s.h.  
MUS 130, 300, 333, 334, 394\*
  - 2. Applied Study ..... 12 s.h.  
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for two semesters on their principal instrument.

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3. Directed Electives.....28–31 s.h.  
Choose a or b, as approved by advisor
- a. Instrumental/General
    - 1) MUS 131; 132 or 461; 133; 135; 137; 138; 232
    - 2) Choose one course from MUS 195\*, 337, 397
    - 3) MUS 332, 336, 395; 430 or 461
    - 4) Music Ensembles:  
Students must register for an ensemble each semester in residence and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. This requirement must be completed over a minimum span of 7 semesters. Students must participate on their principal instrument for the number of hours specified below unless indicated otherwise by the ensemble director.
      - a) Wind/Percussion: 8 s.h. total; minimum of 6 s.h. in MUS 101, 113, 114, or 117 (maximum 3 s.h. in MUS 117); minimum of 1 s.h. in MUS 116; minimum of 1 s.h. in MUS 105, 106, 107, or 108
      - b) Piano: 8 s.h. total; minimum of 3 s.h. in MUS 101, 113, 114, or 117; minimum of 1 s.h. in MUS 116; minimum of 1 s.h. in MUS 105, 106, 107, or 108; minimum of 3 s.h. in MUS 125, 127, or 129
      - c) Guitar: 8 s.h. total; minimum of 3 s.h. in MUS 101, 113, 114, or 117; minimum of 1 s.h. in MUS 116; minimum of 1 s.h. in MUS 105, 106, 107, or 108; minimum of 3 s.h. in MUS 127 or 128
      - d) Strings: 8 s.h. total; minimum of 7 s.h. in MUS 101 or 102; minimum of 1 s.h. in MUS 105, 106, 107, or 108
  - b. Choral/General
    - 1) MUS 131; 132; 133 or 134; 135 or 136; 137; 138; 232; 262; 265; 266; 331; 335; 396
    - 2) Choose one course from MUS 195\*, 397; THEA 497
    - 3) Music Ensembles:  
Students must register for an ensemble each semester in residence and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. This requirement must be completed over a minimum span of 7 semesters. Students must participate on their principal instrument for the number of hours specified below unless indicated otherwise by the ensemble director.
      - a) Voice: 8 s.h. total; minimum of 6 s.h. in MUS 105 or 106; minimum of 1 s.h. in MUS 107, 108, or 109
      - b) Piano: 8 s.h. total; minimum of 6 s.h. in MUS 105 or 106; 2 s.h. in MUS 125, 127, or 129
      - c) Guitar: 8 s.h. total; minimum of 6 s.h. in MUS 105 or 106; 2 s.h. in MUS 127 or 128
4. Professional Education .....27 s.h.
  - a. EDUC/MUS 439
  - b. EDS 202, 301, 303 (2 s.h.), 401
  - c. RDG 387
  - d. STCH 480 (6), 481 (6)

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General

- Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- \* Specific requirements from the University General Education Curriculum.
- \*\* The tech course that includes the student's principal instrument does not count toward the required 7 s.h.
- † MUS 390 and MUS 391 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

## Minors

### **Minor in Music (Liberal Arts)..... minimum 16 s.h.**

Students must complete 1, 2, and 3.

- |   |        |
|---|--------|
| 1. MUS 181 and 183 .....  | 3 s.h. |
| 2. Select 5 s.h. from MUS 390, 391, 394, 397 .....                            | 5 s.h. |
| 3. Select 8 s.h. of Music Electives to meet student needs and interests ..... | 8 s.h. |

*A maximum of 5 s.h. of ensemble and/or applied study may be counted toward the minor.*

### **Minor in Music Business..... 20 s.h.**

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|---|--------|
| 1. MUS 141, 248, 341 .....  | 7 s.h. |
| 2. Select 9 s.h. from: BC&J 101; MUS 190, 195, 196, 348, 394, 397, or 181 and 183; THEA 145 ..... | 9 s.h. |
| 3. Select 4 s.h. from: MUS 241, 242, 342, 343, 344, 345, 441, 444.....                            | 4 s.h. |

### **Minor in Jazz Studies ..... 17 s.h.**

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|--|--------|
| 1. MUS 187, 267, 397 .....   | 6 s.h. |
| 2. Select 7 s.h. from MUS 167, 337, 367, 387, 487, 497 .....                                 | 7 s.h. |
| 3. Select 4 s.h. from Jazz Ensembles (MUS 117, 127, and 128) and/or Jazz Applied Study ..... | 4 s.h. |

## Course Descriptions

### **MUSIC (MUS)**

**Ensembles: (All ensembles receive 1 s.h. credit per semester)** Open to all University students by permission of instructor.

- 101 University Orchestra  
102 Chamber Orchestra  
103 American Traditional Music Ensemble  
105 Concert Choir  
106 University Singers  
107 Vocal Jazz Ensemble  
108 Chamber Singers  
109 Opera Workshop  
110 Treble Choir  
113 Symphonic Wind Ensemble  
114 Concert Band  
115 University Band  
116 University Marching Band  
117 Jazz Band  
118 Pep Band  
121 Brass Chamber Ensembles  
122 Woodwind Chamber Ensembles  
123 Percussion Ensemble  
124 Steel Band  
125 Accompanying  
126 String Chamber Ensembles  
127 Jazz Combo  
128 Guitar Ensemble  
129 Piano Chamber Ensembles

**Applied Study: (1–4 s.h./semester, repeatable to a maximum of 10 semesters)** Private, group, and class study in music performance. Prerequisite: audition and written consent of Music advisor. Music majors receiving a grade of D or F in Applied Study on their principal instrument must reaudition for departmental acceptance. Enrollment in upper division courses (400 level) requires a C or better on the third-semester principal instrument applied jury including sightreading. After a student passes the principal instrument third-semester jury, Applied Study in the principal instrument from the fifth through eighth semester will receive upper division credit.

204/404 Violin	220/420 Saxophone
205/405 Viola	221/421 Flute
206/406 Cello	222/422 Oboe
207/407 Bass	223/423 Bassoon
209/409 Guitar	224/424 Trumpet
211/411 Composition	225/425 Trombone
212/412 Voice	226/426 Euphonium
214/414 Organ	227/427 Horn
215/415 Piano	228/428 Tuba
219/419 Clarinet	229/429 Percussion

**100 Recital Attendance. (0)** Attendance at ten music concerts/recitals per semester for satisfactory grade. *Graded S/U only.*

**130 Introduction to Music Education. (1)** An overview of Music Education in pre-kindergarten through grade 12, and the knowledge, skills, and concepts required for licensure. Opportunities for teaching observations.

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## **131 Technology in Music Education. (1)**

Study in the utilization and implementation of technological tools prevalent in PK-12 Music Education, including software and hardware for instruction and/or assessment of music performance, notation, theory, audio/video recording, and assistive technology for students with special needs. *A grade of C- or above must be achieved in MUS 131 for teacher licensure.*

## **132 String Techniques. (1)**

A study of the basic techniques of playing and teaching the violin, viola, cello, bass, and guitar, including arrangements for solo and string ensembles.

## **133 Woodwind Techniques. (1)**

A study of the basic techniques of playing and teaching the flute, oboe, clarinet, saxophone, and bassoon.

## **134 Woodwind Techniques. (1)**

A study of the basic techniques of playing, teaching, and arranging for the clarinet and saxophone.

## **135 Brass Techniques. (1)**

A study of the basic techniques of playing and teaching the trumpet, horn, trombone, baritone, and tuba.

## **136 Brass Techniques. (1)**

A study of the basic techniques of playing, teaching, and arranging for the trombone, euphonium, and tuba.

## **137 Percussion Techniques. (1)**

A study of the basic techniques of playing, teaching, and arranging for percussion instruments.

## **138 Vocal Techniques. (1)**

Development of vocal techniques and methodology for the Music Education major. *Prerequisite: Music Education major.*

## **139 Band Instrument Maintenance and Repair. (1, repeatable to 2)**

A study of the principles of maintenance, repair, and adjustment of band instruments. This hands-on course will include mechanical instruction on all brass, woodwind, and percussion instruments. *Prerequisite: Music major or consent of instructor.*

## **141 Introduction to Music Business. (2)**

An introduction to the field of Music Business through a review of the various areas and careers within the music industry including music publishing, recording, merchandising, concert promotion, artist management, and arts administration.

## **151 Introduction to Music Therapy. (2)**

Definition of music as therapy; introduction to music as a therapeutic function; scope of music therapy; areas of application; professional aspects; and the role of the music therapist in the therapeutic milieu. Field observations. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457).*

## **157 Multicultural Percussion Techniques. (1)**

Students will gain historical and cultural perspective of nonsymphonic percussion instruments, learn care and maintenance for equipment, and develop fundamental percussion techniques necessary to arrange and facilitate group drumming experiences. Students will play in solo and ensemble settings. *Prerequisite: MUS 151 or 130.*

## **158 Observation of Music Therapy. (1)**

Semester long fieldwork course including weekly observation of clinical music therapy. Clinical and professional topics discussed in weekly seminar. *Course must be completed with a C- or better in*

*order to be eligible for internship (MUS 457). Open only to Music Therapy majors. Prerequisite: MUS 151 and consent of instructor.*

## **161 Elementary Guitar. (2)**

Combines beginning guitar techniques and music fundamentals.

## **162 Group Voice. (1, repeatable to 3)**

Voice instruction in a group setting.

## **165 Class Piano I. (1)**

Keyboard instruction in a classroom setting for Music majors.

## **166 Class Piano II. (1)**

Keyboard instruction in a classroom setting for Music majors. *Prerequisite: C- or better in MUS 165 or equivalent.*

## **167 Introduction to Jazz Piano. (1)**

Voicing and comping (piano techniques) for jazz application. Traditional elementary voicings and voice leading applied to jazz. Structures for chord extensions in jazz performance. Piano techniques to realize harmonic notation common to jazz. *Prerequisite: MUS 166 or consent of instructor.*

## **180 Fundamentals of Music. (3)**

An introduction to the basic elements of music. Music reading, sight-singing, and elementary ear training. *Open to general University students. Does not apply toward Music major graduation credit. Not open to students who have received credit for MUS 181.*

## **181 Theory I. (2)**

Techniques and materials of diatonic music. Introduction to tonal harmony through part writing, harmonization of melodies, and analysis. *Corequisite: MUS 183. Three meetings each week.*

## **182 Theory II. (2)**

Further studies in diatonic techniques and initial studies in chromatic techniques. Continuation of music writing skills and analysis. *Prerequisites: a grade of C- or better in MUS 181 and MUS 183. Corequisite: MUS 184. Three meetings each week.*

## **183 Aural Skills I. (1)**

Aural Skills I studies diatonic material through sight-singing, dictation, and other exercises. *Corequisite: MUS 181. Two meetings each week.*

## **184 Aural Skills II. (1)**

Aural Skills II continues the study of diatonic material through sight-singing, dictation, and other exercises. *Prerequisite: a grade of C- or better in both MUS 181 and 183. Corequisite: MUS 182. Two meetings each week.*

## **187 Jazz Fundamentals and Theory. (1)**

Fundamentals of scales and chords related to jazz, performed in a lab setting. Elementary jazz harmonic practices and the rhythm section. Chord nomenclature common to jazz notation.

## **190 What to Listen for in Music. (3) (General Education/Fine Arts)**

An introduction to basic musical principles, as well as the study of music as an aspect of culture, society, and history, with an emphasis on developing listening skills applicable in a broad range of music cultures.

*IAI: F1 900.*

## **195 American Popular Music. (3) (General Education/Fine Arts or Multicultural Studies)**

A survey of American popular music from the 19th century to the present. Includes extensive listening to representative styles and outstanding works within those styles, with discussion of historical, sociological, and musical influences. Recommended for those without music background.

*IAI: F1 904.*

**196 Music in the Rock Era. (3) (General Education/Multicultural Studies)** An introduction to popular music during the rock era as an expression of multiple cultures; an exploration of the relationship between musical style and meaning and the socio-cultural context from which the music emerges, with emphasis on cross-cultural connections.

**197 American Country Music. (3) (General Education/Humanities)** A survey of the development of American Country Music from the 1920s to the present day, highlighting social, political, and musical issues as well as key artists, songs, and genres.

**198 K-Pop, J-Pop, and C-Pop. (3) (General Education/Humanities or Multicultural Studies)** A survey of the history and the development of K-pop (Korean popular music), J-pop (Japanese popular music), and C-pop (Chinese popular music) from the cultural, social, political, and musical perspectives highlighting key artists, songs, and genres.

**208 Applied Jazz Studies I. (1-4, repeatable up to 10 semesters)** Applied study of performance elements related to jazz style, repertoire, and improvisation.

**216 Applied Musical Theatre Voice, Lower Division. (1-4, repeatable to 8)** Applied study of vocal technique and style to meet the needs of students in the BFA Musical Theatre degree program and other students interested in learning to sing in a popular style. *Prerequisite: Musical Theatre major or permission of instructor.*

**231 Classroom Instrument Techniques. (1)** The study of the basic techniques of playing, teaching, and arranging for classroom and cultural instruments.

**232 Critical Issues in General Music Education. (3)** A survey of current issues and trends in the general music classroom, including classroom management, child development, literacy, diversity, and the various approaches to general music (Orff, Kodaly, and Dalcroze). *A grade of C- or above must be achieved in MUS 232 for teacher licensure.*

**241 Practicum in Music Business. (1, repeatable to 2)** A part-time practical experience in an area of the music industry. *Prerequisites: MUS 141 and permission of program director.*

**242 Music Industry Career Preparation. (1)** This course focuses on in-depth career preparation for those interested in the music industry including: goal setting, the job search process and document preparation, best practices in electronic media, and interview techniques. *Prerequisite: MUS 141 or consent of instructor.*

**248 Introduction to Video and Audio Production for Live Music Performance. (3)** Provides the technical skills to implement a live video stream of a musical presentation, and to develop an understanding of the specialized uses of microphones, live mixing consoles, streaming video software, and digital audio/video composing within live music production.

**254 Music Therapy Clinical Skills I. (1)** Development of accompanied singing. Acquisition of basic design and leadership skills for therapeutic music experiences involving singing,

movement, and rhythmic instrument play. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisite: MUS 151 and 158; or permission of instructor.*

**255 Music Therapy Clinical Skills II. (1)** Overview of clinical process. Continuation of accompanied singing development. Acquisition of goal-based design and facilitation of therapeutic music experiences. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisite: MUS 254.*

**258 Practicum in Music Therapy I. (1, repeatable to 3)** Supervised co-lead clinical experience in music therapy focusing upon assessment, treatment, planning, implementation, and evaluation of clinical process. Weekly group supervision. *C- or better is required in order to be eligible for internship (MUS 457). Prerequisite: MUS 151 and 158.*

**261 Intermediate Guitar. (2)** Combines intermediate guitar techniques and related music study.

**262 Phonetics and Diction I. (2 per semester)** Study of the International Phonetic Alphabet. Study of English, Italian, and Latin phonetics and diction as they apply to singing. Utilization of standard vocal literature. Attend a weekly performance lab.

**263 Phonetics and Diction II. (2 per semester)** Study of French and German diction and phonetics as applied to singing. Utilization of standard vocal literature. Attend a weekly performance lab. *Prerequisite: C or better in MUS 262.*

**264 Keyboard Skills for Popular Music. (1)** Development of keyboard self-accompaniment technique, improvisation, and transposition highlighting stylistic elements from different decades and genres of popular and non-classical music. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 165 or 215; Music Therapy student or consent of instructor.*

**265 Class Piano III. (1)** Keyboard instruction in a classroom setting for Music majors. *Prerequisite: C- or better in MUS 166 or equivalent. Corequisite: MUS 281.*

**266 Class Piano IV. (1)** Keyboard instruction in a classroom setting for Music majors. *Prerequisite: C- or better in MUS 265 or equivalent.*

**267 Jazz Improvisation I. (2)** The elements of jazz improvisation. Listening skills, transcription, and jazz styles. Application of tonal harmonic language and scale structures to jazz improvisation. Construction of melodies utilizing voice-leading and counterpoints. *Prerequisite: MUS 187.*

**268 Singing in Popular Styles. (1)** Development of knowledge and the ability to sing in a variety of popular music styles. Instruction includes vocal health and production during unaccompanied and self-accompanied singing. *Prerequisites: MUS 162 or 212 or permission of instructor; Music Therapy student or permission of instructor.*

**281 Theory III. (2)** Further studies in chromatic techniques. Continued music writing skills and analysis, including simple part forms. *Prerequisite: a grade of C- or better in both MUS 182 and MUS 184. Corequisite: MUS 283. Three meetings each week.*

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**282 Theory IV.** (2) Introduction to sonata form and the technical materials of late 19th and early 20th century music through analysis, listening, and music writing. *Prerequisite: a grade of C- or better in both MUS 281 and MUS 283. Corequisite: MUS 284. Three meetings each week.*

**283 Aural Skills III.** (1) Aural Skills III studies chromatic material and modulation through sight-singing, dictation, and other exercises. *Prerequisite: a grade of C- or better in both MUS 182 and 184. Corequisite: MUS 281. Two meetings each week.*

**284 Aural Skills IV.** (1) Aural Skills IV studies chromatic and twentieth-century material through sight-singing, dictation, and other exercises. *Prerequisite: a grade of C- or better in both MUS 281 and 283. Corequisite: MUS 282. Two meetings each week.*

## 300 Music Student Teaching Review.

(0, repeatable) Examination of teacher competencies and skills prior to student teaching semester. Students are reviewed in fundamental teaching skills and knowledge. Students may retest any area to achieve S grade. *Prerequisites: for Instrumental-General major, C- or better in MUS 166; for Choral-General specialization, C- or better in MUS 266; C- or better in MUS 282 and C- or better in MUS 284. Graded S/U only.*

## 301 Chamber Music. (1, repeatable to 4)

Chamber music instruction. *Prerequisites: Music major; C- or better in third semester applied jury including a sight reading or consent of instructor.*

**330 Basic Conducting.** (2) Introduction to basic conducting skills. Study of conducting patterns, preparatory beats, cueing, and cut-offs. Introduction to score reading and analysis. *Prerequisites: MUS 282 and 284.*

**331 Choral Conducting in the Junior/Senior High School.** (2) Study of JH/HS choral program to include choral conducting, rehearsals techniques, literature, methods, programming, style, interpretation, and analysis of choral literature for large and small ensembles, festivals, contests, and concerts. IPTS including classroom management, assessment, reading, and writing. Field experiences. *Prerequisite: C- or better in MUS 330.*

**332 Instrumental Conducting.** (2) Advanced exploration into the art and technique of conducting and score reading as the means to achieve musical and expressive results. Preparation to assume leadership of instrumental ensembles. Directed observations and field experiences. *Prerequisite: C- or better in MUS 330.*

## 333 Teaching and Assessment in Pre-K

**Through Middle School General Music.** (3) Basic music experiences as related to child development from pre-kindergarten through middle school including reading, academic language, lesson planning, assessment, classroom management, diverse learners, middle school concept, and use of appropriate music literature. Directed observations, field experiences. *Open to Music majors and minors only. Prerequisites: MUS 166, 182, 184; for Choral-General specialization only, MUS 231-232 or consent of instructor; ENG 180 and 280.*

## 334 Music for the Learner with

**Exceptionalities.** (3) Information and practice in various strategies to help Music teachers with

the instruction of learners with exceptionalities in Music classrooms. Emphasis on characteristics, Universal Design, accommodations, modifications, and assistive technologies. Discussion of Response to Intervention. Field experiences and teaching experiences. *Prerequisites: MUS 166, 182, 184; ENG 180 and 280; junior/senior standing; full acceptance into Teacher Education Program.*

**335 Teaching and Assessment in Middle/High School Choral Music.** (3) Study of teaching techniques and organizational procedures of the middle-high school choral programs including resource materials, effective rehearsal and lesson planning methods, vocal pedagogy, repertoire selection/adaptation, classroom management, assessment, and reading/writing in the content area. Directed observations, field experiences. *Prerequisites: MUS 166, 182, 184; ENG 180 and 280; C- or better in MUS 330; full acceptance into Teacher Education Program.*

**336 Teaching and Assessment in Middle/High School Instrumental Music.** (3) Study of teaching techniques and organizational procedures of the M-HS instrumental programs including resource materials, effective rehearsal/lesson planning methods, instrumental pedagogy, repertoire selection and adaptation, classroom management, assessment, and reading/writing in the content area. Directed observations, field experiences. *Prerequisites: MUS 166, 182, 184; ENG 180 and 280; instrumental techniques courses or equivalent background; full acceptance into Teacher Education Program.*

## 337 Jazz Band Methods and Techniques. (2)

A study of the organization of the school jazz band program, methods available for instructors, materials, techniques of rehearsals, and performances. *Prerequisite: MUS 166, 182, 184.*

**341 Music Publishing.** (2) A study of publishing as it relates to the music industry. Topics will include how music publishers acquire the rights to music copyrights and how they protect music copyrights from exploitation through music licensing. *Prerequisite: MUS 141.*

**342 Music Administration.** (2) A study of not-for-profit music organizations with an emphasis in symphony orchestra and opera company administration. Includes an examination of organization structure, funding, and audience development. *Prerequisite: MUS 141 or consent of instructor. Participation in field trips required.*

**343 The Music Products Industry.** (2) A study of the domestic and international music products industry. Topics will include the manufacturing, distribution, and retailing of musical instruments, print music, and accessories. *Prerequisite: MUS 141 or consent of instructor. Participation in field trips required.*

**344 Artist Development.** (2) A study of artist development and the live music industry from the perspective of the performing artist. Topics will include the performing artist's management team, the artist-management agreement, advancing an artist's career, touring, and concert promotion and production. *Prerequisite: MUS 141 or consent of instructor.*

**345 The Recording Industry.** (2) A study of the domestic and international recording industry. Topics will include industry structure, operations, and business and legal affairs. Both major and

independent labels will be explored. *Prerequisite: MUS 141 or consent of instructor.*

**348 Advanced Video and Audio Production for Live Music Performance. (3)** Continuation of MUS 248. Exposure to the technical skills to master and engineer a live video stream of a musical presentation and to hone digital audio/video composing skills in post production at a professional level. *Prerequisite: MUS 248 or consent of the instructor.*

**354 Music Therapy Clinical Skills III. (1)** Design, implement, and review research for composition and improvisation music therapy methods. Develop arranging skills relevant for music therapy practice. *Course must be completed with a C- or better to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, and 255.*

**355 Music Therapy Clinical Skills IV. (1)** Design, implement, and review research for receptive music therapy methods, including music assisted relaxation and song discussion. Develop basic verbal skills and advanced clinical musicianship. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisite: MUS 354.*

**358 Practicum in Music Therapy II. (1, repeatable to 4)** Supervised clinical experience in assessing, planning, intervening, measuring, evaluating, and documenting music therapy treatment in an assigned clinical setting. Discussion of clinical and professional topics in a weekly seminar. *2 s.h. required in Music Therapy degree program with a C- or better in order to be eligible for internship (MUS 457) Prerequisite: MUS 166, 182, 184; MUS 255 and 258 with a C- or better.*

**365 Keyboard Skills. (2)** Development of functional skills for keyboard students of advanced level. Includes sightreading, transposition, harmonization, and improvisation. *Prerequisites: MUS 182 and 266 or consent of instructor.*

**367 Jazz Improvisation II. (2)** The elements of jazz improvisation. Listening skills, transcription, and jazz styles. Application of non-tonal harmonic language and scale structures to jazz improvisation. Construction of melodies utilizing voice-leading and counterpoint. *Prerequisites: MUS 166, 182, 184, 267.*

**381 Analysis I. (3)** Analysis of common musical forms and genres from the common practice. *Prerequisites: MUS 166, 282, 284; ENG 180 and 280.*

**387 Jazz Arranging and Composition I. (2)** The analysis and development of compositional techniques relating to jazz with a special emphasis on composers associated with the Great American Songbook. *Prerequisites: MUS 166, 182, 184, 187.*

**390 European Art Music I. (3) (Global Issues)** Survey of music history and analysis of musical styles and their social context. Examination of important styles and musical examples cultivated in Western civilization from the Greeks to the middle of the 18th century. *Writing Instruction in the Disciplines (WID) course. Prerequisites: MUS 166, 182, 184, C- or better in 190; ENG 180 and 280.*

**391 European Art Music II. (3) (Global Issues)** Continuation of MUS 390. Examination of important styles and musical examples cultivated in Europe and the U.S. from the middle

of the 18th century through the 20th century. *Writing Instruction in the Disciplines (WID) course. Prerequisites: MUS 390; minors—consent of the instructor; ENG 180 and 280.*

**394 Music in World Cultures. (3) (General Education/Multicultural Studies) (Global Issues)** Study of the music, dance, and instruments of the peoples of North and South America, the Caribbean, Europe, Africa, Middle East, and Asia with emphasis on non-Western cultures. *Prerequisites: ENG 180 and 280. IAI: F1 903N.*

**395 Band/Orchestra Literature and Score Analysis. (2)** Historical survey, analysis, assessment, and adaptation of instrumental music literature suitable for all levels. Development and application of score study/analysis skills to effectively teach and direct bands/orchestras. *A grade of C- or above must be achieved in MUS 395 for teacher licensure. Prerequisites: one technique class from each of the following groups: MUS 132; 133/134; 135/136; 137; 330.*

**396 Choral Literature for the Elementary/Junior High/Senior High. (2)** Study, analysis, and adaptations of the literature for elementary, middle school, and high school for like and mixed voices in choral groups. Will include both sacred and secular literature of all periods of music. *IPTS including assessment, reading/writing. Prerequisites: MUS 166, 182, 184, 232, 262, 263.*

**397 Jazz Survey. (3) (General Education/Multicultural Studies)** Exploration of the origins of jazz, its many forms, and its present day trends.

**398 Music and Politics. (3)** Study of how music has shaped and been shaped by political discourse across a variety of historical time periods and regions. Cast studies explored include protest songs, music as propaganda, nationalist music, and musical responses to war and conflict. *Prerequisites: ENG 280.*

**400 Independent Study. (1-3, repeatable to 6)** A music project outside the regular curriculum for advanced undergraduate students. Each project under the supervision of an instructor and with permission of department chairperson. Course culminates in a written report, examination, and/or performance. *Prerequisites: consent of instructor and department chairperson.*

**401 Thesis. (3)** A thesis prepared under the direction of one or more faculty members in the School of Music.

**402 Recital Performance. (0)** Public performance of a student recital of solo or solo/chamber literature approved by the student's applied performance teacher. *Prerequisite: pre-recital hearing approved by the appropriate applied area faculty. Graded S/U only, to be determined by faculty of the appropriate applied area.*

**403 Proseminar in Music. (1-3, repeatable to 6)** Studies in selected topics in Music. *Prerequisites: consent of instructor and department chairperson.*

**408 Applied Jazz Studies II. (1-4, repeatable up to 10 semesters)** Applied study of performance elements related to jazz style, repertoire, and improvisation.

**416 Applied Musical Theatre Voice, Upper Division. (1-4, repeatable to 10)** Applied study of vocal technique and style to meet the

# Music

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needs of students in the BFA Musical Theatre degree program and other students interested in learning to sing in a popular style. *Prerequisite: junior Musical Theatre major or permission of instructor.*

**430 Marching Band Techniques. (2)** Teaching, assessment, and management of marching band in secondary schools. Preparation of marching band including music, choreography, and drill for the band show. Subjects include administrative responsibilities; effective lesson planning; assessment; diverse learners; leadership and staff; equipment; and philosophies. *Prerequisites: MUS 116, 166, 281, 283.*

**439 Teaching and Assessment in Secondary School Music. (3)** Study of music learning and teaching as related to adolescent development in middle/high school. Topics include effective lesson planning, assessment, classroom management, diverse learners, reading/writing, use of academic language, and appropriate music literature. Directed observations, field experiences. *Prerequisites: MUS 166, 282, 284, 330; EDS 301; full acceptance into Teacher Education Program.*

**441 Current Issues in Music Business. (1)** A study of current issues in the music industry. In-depth research into the student's area of interest in preparation for employment will be included. *Prerequisites: MUS 141, 341, and senior standing.*

**442 Internship. (1-12, repeatable to 12)** A one-semester internship in music business or performance. *Prerequisites: permission of instructor. Graded S/U only.*

**444 (Formerly MUS 321) Music Entrepreneurship for 21st Century Musicians. (2)** Explores, studies, and develops entrepreneurial and leadership skills vital to 21st century musicians, with a focus on the connections between individual entrepreneurship, arts administration, and community engagement. *Prerequisites: Music major, sophomore standing, or consent of instructor.*

**451 Psychology of Music. (2)** Psychology and psychoacoustics of music including hearing, perception, values and preferences, musical abilities, music and media, and measurement of responses to music. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: 3 s.h. of Psychology coursework and MUS 166, 182, 184; or consent of instructor.*

**452 Research in Music Therapy. (2)** Overview of empirical research methods and findings in music and music therapy. Development of APA writing style. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, and 158; or consent of instructor.*

**453 Music Therapy in Medicine. (3)** Theory, research, and clinical skills related to music therapy in gerontology, neurologic illness and injury, and patients in medical hospitals. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, 255, 258; or consent of instructor.*

**454 Music Therapy in Development and Education. (3)** Theory, research, and clinical skills related to music therapy in

early intervention, special education, and developmental disabilities across the lifespan. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, 255, 258; or consent of instructor.*

**455 Psychological Applications and Theories in Music Therapy. (3)** Theory, research, and clinical skills related to music therapy in psychotherapy, counseling, and hospice. Music therapy program design and administration. Discussion of music in therapy and music as therapy. Development of personal philosophy of music therapy. Internship preparation. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, 255, 258; or consent of instructor.*

**457 Clinical Internship in Music Therapy. (4-12, not repeatable)** A six-month music therapy clinical internship in approved clinical training centers. The clinical internship is in addition to and follows the completion of the undergraduate requirements for Music Therapy. *Prerequisites: completion of all other undergraduate requirements for Music Therapy major including obtaining a C- or better in MUS 151, 158, 254, 255, 258, 355, 358 (2 hours required), 451, 452, 453, 454, 455, and 458.*

**458 Practicum in Music Therapy III. (1, repeatable to 3)** Supervised, individually led clinical experience in assessing, planning, intervening, measuring, evaluating, and documenting music therapy treatment in an assigned clinical setting. Discussion of clinical and professional topics in weekly seminar. *1 s.h. required in Music Therapy degree program with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184; MUS 358 with a C- or better; or consent of instructor.*

**461 String Pedagogy. (1-2, repeatable to 8)** A study of the methods and approaches to the teaching of strings in class and studio. Laboratory observation and teaching. *Prerequisites: string principal and consent of instructor.*

**465 Piano Pedagogy I. (2)** Introduction to the history of piano pedagogy and current learning theories. Examination of teaching methods and materials at the beginning through intermediate levels. Lecture/discussion meetings will be complemented with student presentations. *Prerequisites: MUS 182, 184; ENG 180 and 280; PSY 100 and 221; piano principal or consent of instructor.*

**466 Piano Pedagogy II. (2)** Introduction to piano pedagogy research. Examination of teaching methods and materials for advanced and adult students. Students will be asked to complete a teaching demonstration. *Prerequisite: MUS 465 or permission of instructor.*

**481 Counterpoint. (3)** Studies in tonal counterpoint. Representative techniques and genres including invention and fugue. *Prerequisites: MUS 166, 282, 284.*

**482 Materials of Post-Tonal Music. (3)** An examination of post-tonal compositional practices and styles through exercises and analysis. *Prerequisites: MUS 166, 282, 284.*

**483 Orchestration. (3)** Study of instruments and instrumentation through practical exercises. *Prerequisites: MUS 166, 282, 284.*

**485 Techniques of Electronic Music. (3)**

Fundamental concepts in electronic music and classical techniques in studio work. *Prerequisites: MUS 166, 182, 184.*

**487 Jazz Arranging and Composition II.**

(2) Compositional techniques discussed and implemented include the application of non-traditional formal and harmonic designs as well as arranging and orchestration techniques relating to the jazz orchestra. *Prerequisites: MUS 387, 482, or consent of instructor.*

**489 Special Topics in Music History. (3, repeatable to 12 with different topics)**

This course explores selected topics of interest including but not limited to individual composer studies, music and its intersections with historical, sociological, and cultural influences, and musical genre studies. *Prerequisites: MUS 390 or 391, or consent of instructor.*

**490 Literature and Pedagogy of Wind and Percussion Instruments. (1-3, repeatable to 3)**

Survey of woodwind or brass or percussion literature and pedagogy considered from its historical, formal, stylistic, and aesthetic aspects. Content varies with areas of performance and expertise. *Prerequisites: Music major and/or consent of instructor.*

**491 History of American Music. (3)**

A history of music in America from colonial times to the

present. *Prerequisites: MUS 390, or 391, or consent of instructor; ENG 180 and 280.*

**492 String Literature. (2)** History of stringed instruments and early performance practices. Performers, pedagogical treatises, and literature through the twentieth century.

**495, 496 Piano Literature I and II. (2 per semester)**

Survey of keyboard literature considered from its historical, formal, stylistic and aesthetic aspects. Nonsequential. *Prerequisites: MUS 182, 184; ENG 180 and 280; piano principal or consent of instructor.*

**497 Jazz History, Selected Topics. (2, repeatable to 4)**

An in-depth study of selected topics from the history of jazz. Topics in this course change each time it is taught. *Prerequisites: MUS 166, 182, 184, 397; consent of instructor.*

**499 Vocal Literature and Pedagogy. (2, repeatable to 4)**

Survey of vocal literature and pedagogical philosophies and techniques considered from historical and applied aspects. Includes performance/pedagogy projects of Early English/Italian repertoires, German "Lieder," French "Melodie," English language repertory as well as other selected national and ethnic traditions. *Prerequisite: vocal or piano major or consent of the instructor.*

# **Nursing**

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**Interim Director:** Dr. Patricia K. Eathington

**Office:** Currens Hall 510

**Telephone:** (309) 298-2571

**Fax:** (309) 298-3190

**Email:** Nursing@wiu.edu

**Website:** wiu.edu/nursing

## **Program Offering and Locations**

- Bachelor of Science in Nursing: Macomb, Online (RN–BSN Completion emphasis)

## **Learning Outcomes**

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

## **Faculty**

Bartlett, Eathington, Frederick, Fox, Harden, King, Lynn, Made Gowda, Nash, Pollock, White, Whitehouse, Wolfe.

## **GradTrac**

GradTrac is available to Nursing majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this School are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at *wiu.edu/Honors*.

## **School Information**

The School of Nursing at Western Illinois University is committed to educating future professional nurses who are clinically competent using evidence based practice as the norm, capable of critical thinking using information and information technology to design and redesign care and care systems, and ethically and legally accountable for their actions. The School offers a Bachelor of Science in Nursing (B.S.N.) for pre-licensure students, as well as an RN-BSN Completion Program for those students who are registered nurses. The baccalaureate degree in nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street NW, Suite 750, Washington, DC 20001, (202) 887-6791, <http://www.ccneaccreditation.org>.

## **Acceptance into the Nursing Major**

1. Upon being admitted to Western Illinois University, students indicating a desire to be considered for admission into the School of Nursing will be granted one of the following options:
  - a. Early admission into the Nursing major
  - b. Accepted in the Pre-Nursing program and required to complete criteria for admission to the Nursing major

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2. Complete all General Education and Nursing support course requirements.
  3. Students in the Pre-Nursing program must submit a formal application to the Nursing major.

## **Pre-Licensure Program**

Prospective Nursing students must apply for and be granted regular admission to Western Illinois University and declare Pre-Nursing after acceptance to the University.

## **Admission to the School of Nursing**

Individuals who wish to major in Nursing and enter the Pre-Nursing program will declare their intent with Admissions. If a student is not selected for early admission to the School of Nursing or placed in the Pre-Nursing program, the student is placed in a program where the General Education and Nursing support course requirements can be completed. All General Education and Nursing support courses must be satisfactorily completed by August 1 for Fall semester admission and January 2 for Spring semester admission into the Nursing major.

There is no guarantee that students who are in the Pre-Nursing program will be admitted to the Nursing major. Please note that admission to the Nursing major is highly competitive. Students who have completed 60 semester hours of the General Education and support courses or are in the final semester of completing the requirements may formally apply to the School of Nursing for admission to the Nursing major.

Individuals who are registered nurses with either an Associate's degree in Nursing or a Diploma in Nursing will first be admitted to Western Illinois University and request the RN-BSN Completion Program. RN students may formally apply to the School of Nursing for admission to the Nursing major after all General Education and support course requirements have been satisfied. Special consideration may be given to prospective students with documented extenuating circumstances.

## **Early Admission to the Nursing Major**

New freshmen may be selected for early admission to the Nursing major on the basis of their application to the School of Nursing. Students selected for early admission into the Nursing major typically have an ACT composite score of 24 or higher or SAT composite score of 1160 or higher. Students are accepted into the major on a competitive and selective basis; however, students selected for early admission are guaranteed placement into the Nursing major. To maintain early admission into the Nursing major status, students must maintain an overall WIU GPA and a Nursing support course GPA of 3.0 (on a 4.0 scale) or higher. Any student not adhering to the above criteria will be moved to University Advising major status and will need to reapply to the Nursing major during specified time periods. A student admitted via the Early Admission classification must be enrolled full-time at Western Illinois University while completing his/her prerequisite coursework and General Education requirements unless the student receives prior approval from his/her academic advisor. Failure to do so could result in dismissal from the program. The number of students admitted into the major may vary from year to year, depending on program capacity and qualifications of students in the pool. Students granted early admission into the major will complete the admission packet and submit the required paperwork by March 1 but will not be placed in the new applicant pool, as they have already been admitted.

# Nursing

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## Admission to the Nursing Major

**This program is highly competitive. Meeting or exceeding the minimum requirements does not guarantee admission.** Students who wish to apply to the School of Nursing for admission to the Nursing major must:

1. Have a completed application on file with the Nursing Centralized Application Service (Nursing CAS) no later than the following deadlines:

**Pre-Licensure Program:** March 1 for admission to the next Fall semester and October 1 for admission to Spring semester.

**RN-BSN Completion Program:** August 1 for admission to Fall semester.

2. Provide evidence of English language proficiency by obtaining a satisfactory score on the Test of English as a Foreign Language (TOEFL) by August 1 for Fall semester admission or by January 2 for Spring semester admission. A satisfactory minimal passing TOEFL score is 560 paper-based, 220 computer-based, or an 83 on the internet Based Version (iBT). Only students whose native language is English are exempt from the English proficiency requirements.

**Pre-Licensure Program:** Students must also successfully complete the English as a Second Language Program through the WESL Institute by these deadlines.

3. Complete all General Education and Nursing support course requirements by August 1 for Fall semester admission.

**Pre-Licensure Program:** Deadline for Spring semester is January 2.

**RN-BSN Completion Program:** Students may also transfer courses to WIU by the August 1 deadline. There are 60 semester hours of General Education and Nursing support course requirements. Special consideration may be given to prospective students with documented extenuating circumstances.

4. Complete the Test of Essential Academic Skills (TEAS), which measures basic skills in reading, language, mathematics, and science. This test is proctored and administered by the Assessment Technologies Institute (ATI). It evaluates each candidate's preparedness for the rigors of the Nursing program and profession, and it suggests areas in which the student might benefit from additional instruction.

**Pre-Licensure Program:** Beginning with the Spring 2023 application period for the Fall 2023 cohort, all applicants to the School of Nursing are required to take the TEAS. Applicants will be given additional instructions regarding registration for this test by the Nursing advisor.

**RN-BSN Completion Program:** N/A

5. Have a minimum cumulative GPA as indicated below. The Nursing support courses must have a grade of C+ (2.33) or better. In addition, only one of the Nursing support courses may be repeated if a grade of C+ (2.33) is not achieved. A student may repeat one course one time. Admission will be denied to any student who receives a second grade of less than C+ (2.33) for any Nursing support course.

Pre-Licensure Program: 3.0 on a 4.0 scale for all post-secondary work and for all Nursing support courses. The Nursing support courses must have a grade of C+ (2.33) or better.

**RN-BSN Completion Program:** 2.33 on a 4.0 scale for all post-secondary work. Students may substitute equivalent courses.

6. All Nursing and Nursing support courses must be completed within the last five years. For Nursing courses and/or Nursing support courses more than five years old, the student must submit a portfolio to the School of Nursing Committee

for Admission, Progression and Retention as specified below. The five-year requirement for Nursing and Nursing support courses may be waived as indicated below.

**Pre-Licensure Program:** Portfolio is to detail the student's work experiences and continuing education (CE) (requires documentation) since completing the course(s). May be waived for those students who have maintained continuous work experience related to the Nursing support courses or have continuous continuing education (CE) in Nursing related to the Nursing support courses since completing the courses. Individuals without documented current knowledge may be required to take current Nursing support courses (see page 325).

**RN-BSN Completion Program:** Portfolio is to detail the student's practice and continuing education (CE) (requires documentation) since graduation from Nursing school. May be waived for those students who have maintained continuous practice or have continuous continuing education (CE) in Nursing since graduation from their Associate's or Diploma program. Nurses without continuous practice or continuous continuing education (CE) in Nursing may be required to take current Nursing support courses (see page 325). The credit hour requirement is not waived, and the student must complete the 125 semester hours required for the degree.

7. Secure letters of reference from two professional references: one academic (i.e., instructor or professor) and one employer (i.e., supervisor). If there has been no employment, students may submit letters from two instructors/professors.
8. By August 1 before Fall semester admission, provide documentation to Certified Background for verification that all University health and safety requirements have been met. (Students are responsible for all costs incurred for admission as well as ongoing health requirements.)

**Pre-Licensure Program:** Deadline for Spring semester admission is January 2. Students must document that all health and safety requirements for admission to the School of Nursing have been met. Health requirements are different from the standard University requirements.

**RN-BSN Completion Program:** Students must document that all University health and safety requirements have been met.

9. Meet additional requirements:

**Pre-Licensure Program:** Students are responsible for all costs incurred for admission as well as ongoing safety requirements.

- a. Criminal background check—All applicants are required to submit to a criminal background check. Details will be given to the student upon admission to the program.
- b. Drug screen—All applicants are required to be drug tested on admission with random drug screens thereafter.
- c. Applicants with a felony conviction or a positive drug screen may be denied entry into the clinical facility for clinical practice. If a student is denied entry into a clinical facility due to a felony conviction or positive drug screen, the student must withdraw from the program.

**RN-BSN Completion Program:** Submit a current copy of the License as a Registered Professional Nurse issued by the state of current residence and practice.

Students who do not meet the March 1 and/or the January 2 deadlines may be allowed to begin in the Fall semester if space is available. If space is not available, the student must reapply during the next admission process.

# **Nursing**

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## **Advanced Placement Credit**

The registered nurse who has graduated from a state-approved Associate of Applied Science in Nursing or Diploma Nursing program will receive 30 semester hours of “advanced placement credit” provided he/she: 1) graduated within the last five years or 2) graduated more than five years ago and maintained continuous practice or have continuous continuing education (CE) in Nursing since graduation from his/her Associate’s or Diploma program, and 3) successfully completed (C+ or better) the first nine (9) credits of Nursing courses in the RN–BSN Completion Program. The registered nurse who graduated more than five years ago and does not have continuous practice as a registered nurse or continuous continuing education in Nursing must take the RN Comprehensive Predictor from Assessment Technologies Institute to validate current Nursing knowledge. Upon successful completion (C+ or better) of the first nine (9) credits of Nursing courses in the RN–BSN Completion Program, advanced placement credit will be placed on the student’s WIU transcript in lieu of the 30 semester hours of transferred clinical courses required by pre-licensure students.

## **Retention in Nursing Major**

1. All students who are admitted to the School of Nursing must attend a mandatory orientation session to be held on the first day of classes. This is an all-day session. Failure to attend orientation will result in the student being dropped, and the student will have to reapply the following admission cycle.
2. A student must earn a minimum grade of C+ (2.33) in all Nursing and support courses. If a student fails to earn a minimum grade of C+ (2.33) in any Nursing or support course, the student may repeat only a single course and only one time. If a student earns less than a C+ (2.33) in more than one support course and one Nursing course, the student will be dismissed from the Nursing program.
3. After acceptance into the Nursing program, each student must maintain a cumulative GPA of 3.0 on a 4.0 scale for the coursework in the Nursing major to remain in the Nursing program. Students with less than a 3.0 GPA for coursework completed after admission to the Nursing major will be dismissed from the Nursing program. In addition, students must meet the standards of professionalism and safe clinical practices as identified in the Western Illinois University School of Nursing Student Handbook. Students who fail to meet the policies and standards outlined in the School of Nursing Student Handbook will be dismissed from the Nursing program. A student who has been dismissed from the program may appeal to the School of Nursing Committee for Admission, Progression, and Retention for readmission to the program. If the committee grants readmission, the student will develop a plan for remediation and continued success with the Nursing academic advisor subject to approval by the Committee for Admission, Progression, and Retention.
4. To register for Nursing courses, students are required to have up-to-date health and safety data on file with Castle Branch. Students will not be allowed in the clinical courses without up-to-date health and safety requirements met.

## **Nursing Licensure**

Upon graduation, pre-licensure students must successfully pass the National Council Licensure Examination for Registered Nurses (NCLEX-RN) in order to become a licensed Registered Nurse. Students should plan to take the NCLEX-RN as soon after graduation and completion of their review course as possible.

## Degree Program

### Bachelor of Science in Nursing

All students seeking the Bachelor of Science in Nursing must complete I, II, III, and IV below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h. (To include PHIL 120; PSY 100; SOC 100)
II.	Nursing Support Courses .....	24 s.h. CHEM 114*; EDS 121*; MICR 200*; NUTR 109*; STAT 171*; ZOOL 330, 331
III.	Core Courses.....	17 s.h. NURS 302, 312, 316#, 408†, 415, 461
IV.	Emphasis of Study (Select A or B)	
A.	Pre-Licensure	
1.	NURS 305, 309, 310, 322, 326, 327, 328, 410, 422, 424, 425, 428.....	45 s.h.
2.	Select one course from: NURS 379, 430, 431, 432, 433, 434, 436, 438, 440.....	3 s.h.
B.	RN-BSN Completion	
1.	Transfer Nursing courses from Associate's degree or Diploma in Nursing.....	30 s.h.
2.	NURS 300, 308, 405, 409† .....	13 s.h.
3.	Select two courses from NURS 379, 430, 431, 432, 433, 434, 436, 438, 440.....	6 s.h.

\* 12-13 s.h. may count toward the University General Education Requirement.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing NURS 316.

† NURS 408 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Pre-Licensure emphasis. NURS 408 and 409 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the RN-BSN emphasis.

## Course Descriptions

### NURSING (NURS)

**300 Theoretical and Conceptual Foundations of Professional Nursing.** (3) The theoretical and conceptual foundations of professional nursing practice are explored. The evolving roles of nursing are analyzed in terms of role preparation, scope of practice, certifications, and career mobility and advance opportunities. *Prerequisite: admission to the RN-BSN Completion Program.*

**302 Health Assessment.** (3) This course presents the basic elements of health assessment of all body systems as well as recording a patient's medical history. Physical and psychosocial assessment will be practiced. A clinical/laboratory component course. *Prerequisite: admission to the BSN program or permission of program director. Laboratory charge for course.*

**305 Introduction to Professional Nursing.** (3) This course provides the foundation for professional nursing practice by explaining the American Nurses Association scope and standards of practice as well as the code of ethics for nurses. *Prerequisite: admission to the BSN program.*

**308 Ethical and Legal Issues in Professional Practice.** (3) This course examines the legal foundations of nursing practice and the ethical decisions nurses have to make. *Prerequisite: NURS 300.*

**309 Concepts in Community Health Nursing.** (1) This course provides an overview of the focus and roles of nurses in community-based practice. Students will explore the development of health educational activities and nursing interventions that are appropriate for nursing care in the community. *Corequisites: NURS 302, 305, and 310.*

**310 Fundamentals of Nursing.** (6) This course introduces the novice nurse to the basic processes, skills, and practice needed to provide care for clients of all ages using a self-care framework. Includes classroom, laboratory, and clinical learning experiences. *Corequisites: NURS 302 and 305. Laboratory charge for course.*

**312 Genetics in Nursing Practice.** (1) The focus of this course is the use of genetic/genomic information in nursing and health care. *Prerequisite: ZOOL 331.*

**316 Transcultural Nursing.** (2) **(Global Issues)** Students will examine health care systems from a variety of cultures and countries. A global perspective should help students provide culturally appropriate care for clients and also

# Nursing

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prepare them for the myriad of perspectives they will encounter in professional practice. *Prerequisite: admission to the BSN program or permission of the program director.*

**322 Adult and Child Nursing I. (5)** Students provide nursing care for clients from childhood through old age with acute and chronic needs related to circulation and oxygenation. Clinical experiences will occur in various settings. *Prerequisite: NURS 310 and 461. Laboratory charge for course.*

**326 Pharmacology I. (3)** This course introduces the pharmacotherapeutics, pharmacokinetics, and pharmacodynamics of agents used in patient care and education. *Prerequisite: NURS 310.*

**327 Pharmacology II. (2)** This is the second course in a two course series and continues the discussion of pharmacotherapeutics, pharmacokinetics, and pharmacodynamics of agents used in patient care and education. *Prerequisite: NURS 326.*

**328 Mental Health Nursing. (3)** Students provide nursing care for clients from childhood through old age with acute and chronic needs related to mental health. Clinical experiences will occur in various settings. *Prerequisite or Corequisite: NURS 322.*

**405 Nursing and the Community. (4)** This course focuses on understanding and practicing public health and community health nursing, including epidemiology, client system, health behavior, health accommodation, stress and adaptation, and levels of prevention, immunizations, home care, clinics, and community agencies. A clinical component course. *Prerequisite: NURS 408.*

**408 Nursing Research. (3)** An examination of research methods as they pertain to nursing including the role of theory, modes of inquiry, research models, and ethical issues. Applying research in the development of patient care plans. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: ENG 280, STAT 171. Corequisite: NURS 322, or credit for NURS 300.*

**409 Professional Seminar. (3)** This capstone experience course explores the role of baccalaureate preparation for contemporary nursing practice, focusing on the influences of professional organizations, institutional support, and personal change. A professional portfolio will be developed. *Writing Instruction in the Disciplines (WID) course.* *Prerequisite: ENG 280. Corequisite: NURS 415.*

**410 Public Health Nursing. (3)** This course focuses on understanding population-based nursing care and public health nursing concepts including the role of public health nurses, levels of prevention, population-based education, epidemiology, family-based care, immunizations, and specialty areas of population-based care. *Prerequisite: NURS 408. Corequisite: NURS 422.*

**415 Nursing Leadership, Management and Policy. (4)** This course focuses on the analysis, integration, and application of principles of leadership and management in health care organizations. Emphasis is placed on skills needed for nurses to succeed as leaders in the professional nursing arena in today's global care environment. *Corequisite: NURS 424.*

**422 Adult and Child Nursing II. (5)** Students provide nursing care for clients from childhood through old age with acute and chronic needs related to metabolic, elimination, and mobility needs. Clinical experiences will occur in various settings. *Prerequisite: NURS 322. Laboratory charge for course.*

**424 Adult and Child Nursing III. (7)** Students provide nursing care for clients from childhood through old age with acute and chronic needs related to cell growth and neurosensory needs. Clinical experiences will occur in various settings where complex care needs are met. *Prerequisites: NURS 328, 422. Corequisite: NURS 425. Laboratory charge for course.*

**425 Senior Seminar. (3)** Graduating senior Nursing students analyze and synthesize content and experiences from all previous and concurrent Nursing courses. To be taken in the student's final semester of coursework. *Prerequisites: NURS 327, 328, 410, 422; special permission of the Director, School of Nursing. Corequisite: NURS 415, 424.*

**428 Maternal Child Nursing. (4)** Students provide nursing care for women of childbearing age and young children. Clinical experiences will occur in various settings that provide health care services for women of childbearing age and young children. *Prerequisite or Corequisite: NURS 322. Laboratory charge for course.*

**430 Geriatric Nursing. (3)** This course covers issues of health policy, financial and psychosocial support for young elders, functionally able elders, and frail elders. Assessment, diagnosis, and treatment of common health problems of the elderly will be addressed. A clinical component course. *Prerequisite: NURS 405, or NURS 405 concurrently, or permission of the program director.*

**431 Rural Nursing. (3)** An examination of rural nursing, focusing on need, delivery, access, availability, acceptability, and types of health care in rural areas. A clinical component course. *Prerequisite: NURS 405, or NURS 405 concurrently, or permission of the program director.*

**432 Nursing Informatics. (3)** This course examines the manner in which information, data, facts, and figures are developed, utilized, and analyzed for patient improvement. *Prerequisites: NURS 408 and STAT 171 or permission of program director.*

**433 Community Mental Health Nursing.**  
**(3)** Explores population-specific mental health issues including access, treatment modalities, and follow-up, and drug and alcohol abuse in the context of community health nursing. A clinical component course. *Prerequisite: NURS 328 or permission of program director.*

**434 Geropsychiatric Nursing I. (3)** This course is part one of a two-part series examining nursing care for mental health promotion and nursing care management of adults aged 65 and older. *Prerequisite: NURS 302. Corequisite: NURS 405 or 410, or permission of the instructor.*

**436 Geropsychiatric Nursing II. (3)** This course is part two of a two-part series examining nursing care for mental health promotion and nursing care management of adults aged 65 and older. *Prerequisite: NURS 434 or permission of the instructor.*

**438 Forensic Nursing. (3)** An introduction into forensic nursing practice. Discusses historical framework of forensic nursing, analyzes concepts, and synthesizes theory and practice. Identifies assessment tools and interprets assessment findings. Discusses management of forensic populations. *Prerequisite: NURS 302 or permission of the instructor.*

**440 Electrocardiographic Monitoring and Dysrhythmia Management. (3)** Focuses on the identification and nursing care management for patients with cardiac dysrhythmias. This course is for students who have completed a medical surgical nursing course where cardiac care was

discussed. *Prerequisite: NURS 322 or permission of the instructor.*

**461 (Cross-listed with ZOOL 461) Pathophysiology. (4)** Alteration in physiology, pathogenesis of structure and function of the human body leading to disease, and manifestations of disease states are discussed. In addition, body system interaction is analyzed in maintaining physiological homeostasis during disease/ altered states. *Not open to students with credit in ZOOL 461. Prerequisites: MICR 200 (C grade or better), ZOOL 330 and ZOOL 331; or consent of instructor.*

# **Physics**

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**Email:** Physics@wiu.edu

**Website:** [wiu.edu/physics](http://wiu.edu/physics)

## **Program Offerings and Locations**

- Bachelor of Science in Physics: Macomb
- Minor in Conceptual Physics: Macomb
- Minor in Physics: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Araya, Babu, A. Kapale, K. Kapale, Mallur, Wang.

## **GradTrac**

GradTrac is available to Physics majors with an option in Standard Physics. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Science in Physics: Master of Science in Physics. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## **Department Information**

The science of Physics explores the basic properties of matter, energy, and their mutual interactions. Using precise experimental measurements, physicists formulate laws which describe the observed behavior of the physical world. In the Bachelor of Science program, students gain experience in dealing with a broad range of physical phenomena. They learn the laws of Physics and develop the theoretical, computational, and experimental skills necessary to apply these laws to a wide range of phenomena. With a Bachelor of Science degree in Physics, a student is prepared to do design and development work in industry or a government laboratory or to teach high school science and Physics. Students planning to do Physics research or to teach at the university level should study further and obtain an M.S. or Ph.D. degree.

## Degree Program

### Bachelor of Science—Physics

All students seeking the Bachelor of Science in Physics must complete I, II, and III.A, III.B, III.C, or III.D below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

*In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.*

*Please see the Teacher Education section of this catalog (p. 382) for more information about WIU's Teacher Education Program.*

**Note:** Students enrolled in this major may not minor in Conceptual Physics.

I.	General Education Curriculum.....	43 or 55 s.h.
	Option A Standard Physics: University General Education Curriculum and College of Arts and Sciences Curriculum Requirements—55 s.h. (p. 86)	
	Options B (Engineering Physics), C (Teacher Education), and D (Materials Science): University General Education Curriculum—43 s.h. (p. 69)	
II.	Core Courses.....	15 s.h. PHYS 211, 212, 213, 214
III.	Options of Study (select A, B, C, or D)	
A.	Standard Physics	
1.	Special Courses .....	26 s.h. PHYS 271, 311&, 354, 420, 427, 428, 430, 470, 490†, 499, and any one of the following: PHYS 305, 410, 421, 431, 461, 462
2.	Any minor (A minor in Mathematics is recommended. PHYS 406 may be counted toward a minor in Mathematics.).....	16 s.h.
3.	Other .....	23 s.h. a. MATH 133, 134, 231, 333..... 15 s.h. b. CHEM 201, 202..... 8 s.h.
B.	Engineering Physics	
1.	Special Courses .....	19–22 s.h. a. PHYS 271, 490†, 499 ..... 2 s.h. b. Select three of the following: PHYS 310@, 311&, 354, 420 ..... 9–10 s.h. c. Select two of the following: PHYS 305, 406, 410, 421, 430 ..... 6 s.h. d. Select one of the following: PHYS 427, 428, 470 ..... 2–4 s.h.
2.	Engineering courses taken at WIU—QC or a Transfer Institution* of which 15 s.h. must be at the upper-division level.....	18 s.h.
3.	Other .....	33–35 s.h. a. CHEM 201, 202..... 8 s.h. b. CS 225..... 3 s.h. c. ET 105 ..... 3 s.h. d. MATH 133, 134, 231, 311, 333..... 18 s.h. e. Open Electives ..... 1–3 s.h.
C.	Science/Physics—Teacher Education	
1.	Special Courses .....	38 s.h. a. BIOL 101; PHYS 381, 481 ..... 8 s.h. b. CHEM 201, 202..... 8 s.h.

# Physics

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c.	GEOL 110.....	4 s.h.
d.	BIOL/GEOL 181; PHYS/GEOG 182 .....	8 s.h.
e.	PHYS 427, 428, 482†.....	10 s.h.
2.	Departmental Electives: Upper-Division Physics Electives.....	6 s.h.
3.	Science Electives Any additional mathematics or science courses leading to additional endorsements in mathematics or science (MATH, BIOL, BOT, CHEM, GEOG, GEOL, MICR, ZOOL)	
4.	Other ..... a. EDUC 239, 339, 439, 469..... b. EDS 202, 301, 303 (2 s.h.), 304 (1 s.h.), 305, 401..... c. MATH 133, 134, 231..... d. ENG 366..... e. SPED 390..... f. STCH 480.....	45 s.h. 3 s.h. 13 s.h. 12 s.h. 2 s.h. 3 s.h. 12 s.h.
D.	Materials Science 1. Special Courses..... PHYS 305, 311, 354, 406, 410, 418, 420, 430, 464, 472, 490† 2. Directed Electives..... Select two of the following: PHYS 421, 427, 428, 431 3. Other ..... a. CHEM 201, 202, 330, 433 .....	32 s.h. 6 s.h. 34 s.h. 16 s.h. 18 s.h.

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- & Students may also fulfill this requirement through the completion of ENGR 212. See advisor.
- † PHYS 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Standard Physics, Engineering Physics, and Materials Science options. PHYS 482 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Science/Physics—Teacher Education option.
- @ Students may also fulfill this requirement through the completion of ENGR 211. See advisor.
- \* When transferring to a different institution, the student must complete the Engineering degree to receive the degree in Engineering Physics from Western under this option.

## Minors

Minor in Physics .....	16 s.h.
1. PHYS 300 .....	3 s.h.
2. Choose one of the following sequences: .....	8 s.h.
a. PHYS 211, 212	
b. PHYS 211, 213	
3. At least 5 s.h. of approved Physics elective courses numbered 300 or above; may not include more than 3 s.h. of PHYS 477 .....	5 s.h.

## Minor in Conceptual Physics ..... 16 s.h.

**Note:** This minor is not open to students majoring in Physics.

1. PHYS 300 ..... 3 s.h.
2. Choose at least 13 s.h. from the following courses: ..... 13 s.h.  
PHYS 100, 101, 114, 115, 124, 125, 150, 182, 476 (up to 4 s.h.),  
477 (up to 3 s.h.)

## Pre-Professional and Dual Program

A pre-professional program in discipline-specific Engineering is available. See Pre-Professional Programs (p. 340) for detailed descriptions of the requirements. Please also see the Dual Programs section of this catalog (p. 345) for a detailed description of the dual program in Arts and Sciences and Engineering.

## Course Descriptions

### PHYSICS (PHYS)

*A lab usage charge applies to all Physics laboratory courses.*

**100 Physics for Society. (4) (General Education/Natural Sciences)** A survey course in Physics that introduces basic principles and applications in the modern world. Uses algebra at the high school level. 3 hrs. lect.; 2 hrs. lab.  
*IAI: P1 901L.*

**101 Introduction to Astronomy. (3) (General Education/Natural Sciences)** A basic introduction to modern astronomy, examining the physical principles of telescopes, gravity, radiation and atoms, the solar system, stars, galaxies, and cosmology. No Physics or Mathematical background beyond high school algebra and physical science is assumed. *No prerequisites.*  
*IAI: P1 906.*

*Applied Physics (114, 115) is a one-year sequence which stresses basic concepts and applications to practical problems. Designed for the non-science major, it satisfies the general requirements for a laboratory science.*

**114, 115 Applied Physics. (4 each) (General Education/Natural Sciences)** Includes mechanics with hydrostatics and hydrodynamics; heat and thermodynamics; wave motion and optics; D.C. electricity, magnetic induction, and A.C. electricity. Assumes that students have a knowledge of high school algebra and trigonometry. *Recommended, but not required, to take the course in sequence.* 3 hrs. lect.; 2 hrs. lab.

*General Physics (124, 125) is a non-calculus general Physics sequence designed to meet the needs of all science majors who do not plan to take the Physics 211–214 sequence.*

**124, 125 General Physics. (4 each)** A two-semester introduction to basic ideas and experimental methods in such areas as mechanics and the conservation laws; wave motion and sound; heat and temperature; electricity and magnetism; light and optics; atomic and nuclear Physics. Assumes that students have a knowledge of high school algebra and trigonometry. *The course must be taken in sequence.* 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.

**150 Energy and the Environment. (4) (General Education/Natural Sciences) (Global Issues)**

An introductory course concerned with the global and international topics of energy conversion, air and land pollution, and alternative energy sources. Uses algebra at the high school level. 3 hrs. lect.; 2 hrs. lab.

**177 Introduction to Physics Research Methods. (1-3)** Individualized course covering research methods in Physics intended for freshmen and dual-credit high school students interested in conducting a research project under faculty supervision. *Prerequisite: consent of instructor.*

**182 (Cross-listed with GEOG 182) Integrated Science II. (4) (General Education/Natural Sciences)** A laboratory course in interdisciplinary science with an emphasis on the Earth's place in the physical universe. Topics address the nature of matter and energy and their impact on the Earth's weather and climate. *(Integrated Science I is BIOL/GEOL 181) Not open to students with credit in GEOG 182. Prerequisite: MATH 100 or 110.* 3 hrs. lect.; 2 hrs. lab.

*University Physics (211, 212, 213, and 214) is a calculus-based general Physics sequence designed for science and Pre-Engineering majors.*

**211 University Physics I. (4) (General Education/Natural Sciences)** Motion, Newton's laws, forces, momentum, energy, work, rotation, and simple harmonic motion. *Prerequisite or Corequisite: MATH 133.* 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.  
*IAI: PHY 911.*

**212 University Physics II. (4)** Kinetic theory, thermodynamics, wave motion, sound, optics. *Prerequisite: PHYS 211. Prerequisite or Corequisite: MATH 134.* 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.  
*IAI: EGR 913; PHY 913.*

**213 University Physics III. (4)** Electrostatics, electric fields, D.C. circuits, magnetism, A.C. circuits, and introduction to basic electronic devices. *Prerequisite: PHYS 211. Prerequisite or Corequisite: MATH 134.* 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.  
*IAI: PHY 912.*

**214 University Physics IV. (3)** Relativity, blackbody radiation, atomic structure and spectra, introduction to quantum mechanics, selected topics from nuclear and solid state Physics. *Prerequisites: PHYS 212 and 213, or 125.* 3 hrs. lect.; 2 hrs. lab.

# Physics

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**271 Careers in Physics.** (0) Individualized course for freshman and sophomore Physics majors, discussing modern careers in Physics and the corresponding technical skills required, to prepare them to attain the necessary skills in their junior and senior years. *Graded S/U only.* Prerequisite: consent of instructor.

**300 Concepts of Modern Physics.** (3) This course is intended for Physics minors, and it focuses on the main concepts of modern physics such as relativity, quantum mechanics, statistical mechanics, solid state physics, and nuclear and particle physics. *Cannot be applied toward Physics major.* Prerequisite: Students must have completed one of the following sequences required for a Physics minor: PHYS 114/115, 124/125, 211/212, or 211/213; or consent of instructor.

**305 (Formerly PHYS 367) Mathematical Methods of Physics I.** (3) Vector analysis, matrices, determinants, infinite series, applications of differential equations, numerical solutions. Prerequisites or Corequisites: PHYS 214, MATH 333, or consent of instructor.

**310 Statics.** (3) Basic concepts of statics with engineering applications including rigid bodies, simple structures, flexible cables, beams, friction, virtual work. *Not available to students who are currently enrolled in or have completed ENGR 211.* Prerequisite: PHYS 211.

**311 Classical Mechanics.** (3) Basic concepts of dynamics including Newton's laws, energy, momentum, rigid body dynamics, oscillators, Lagrange's method, central forces, accelerated coordinate systems. Prerequisite: PHYS 211 and MATH 333, or consent of instructor.

**354 Thermodynamics.** (3) Concept of temperature; the first, second, and third laws of thermodynamics; applications to gases; change of state; kinetic theory; and applications to simple models of familiar situations. Prerequisites: PHYS 212. Prerequisite or Corequisite: MATH 333 or PHYS 305, or consent of instructor.

**381 (Cross-listed with BIOL/CHEM/GEOL/MATH/METR 381) Introduction to STEM Teaching.** (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/GEOL/MATH/METR 381.* Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.

**406 (Formerly PHYS 468) Mathematical Methods of Physics II.** (3) Complex variables, orthogonal functions, special functions, general solution of partial differential equations in Physics. Fourier series and Fourier integrals. Prerequisite: PHYS 305.

**410 Computational Methods.** (3) Introduction to programming and applications of modern programming languages to numerical and analytical calculations, data fitting, simulation of physical problems, and individualized work on problems chosen from the student's field of interest. Prerequisites: one year of introductory

Physics, one year of calculus, or consent of instructor.

**418 (Cross-listed with BIOL/CHEM/GEOL 418) Introduction to Scanning Electron Microscopy.** (4)

The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in BIOL/CHEM/GEOL 418.* Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.

**420 Electricity and Magnetism I.** (3)

Electrostatics, magnetostatics, electromagnetic induction, introduction to Maxwell's equations. Prerequisites: PHYS 213. Prerequisite or Corequisite: MATH 333 or PHYS 406, or consent of instructor.

**421 Electricity and Magnetism II.** (3)

Maxwell's equations, plane EM waves in infinite media, reflection and refraction of EM waves, guided EM waves, radiation of EM waves, relativistic treatment of electricity and magnetism. Prerequisite: PHYS 420.

**427 Advanced Electronics.** (3) Electronic measurement fundamentals, passive circuit elements, analog electronics (op amps, transducers, noise reduction), digital electronics (logic gates, flip flops, counters, combinational and sequential circuitry), D/A and A/D conversion, data acquisition techniques. Prerequisite: PHYS 115 or 125 or 213. 2 hrs. lect.; 2 hrs. lab.

**428 Applied Optics.** (4) Geometrical optics, diffraction, interferometry, polarization, laser construction, optical materials, holography. Modern optical techniques and instrumentation are emphasized. Prerequisite: PHYS 125 or 212. 3 hrs. lect.; 2 hrs. lab.

**430 Introductory Quantum Mechanics I.** (3)

Atomic nature of matter, introduction to quantum mechanics including Schroedinger equation. Prerequisite: PHYS 214. Prerequisite or Corequisite: MATH 333 or PHYS 406, or consent of instructor.

**431 Introductory Quantum Mechanics II.**

(3) Spin, fine structure, atomic spectroscopy, perturbation theory, applications. Prerequisite: PHYS 430.

**461 Stellar Astrophysics.** (3) Introduces basic concepts and tools in modern astrophysics, including celestial mechanics, spectroscopy, and telescopes. Provides a comprehensive description of stellar astrophysics. The physical processes and observational characteristics of stars in hydrostatic equilibrium, including our sun, are analyzed. Prerequisite: PHYS 214 or permission of the instructor.

**462 Galactic and Extragalactic Astrophysics.**

(3) An overview of galactic and extragalactic astrophysics. The Milky Way galaxy is studied in detail, including dark matter and stellar evolution. Other galaxies, the large scale properties of the universe, and cosmology are discussed. Prerequisite: PHYS 214 or consent of the instructor.

**464 Introduction to Materials Science.**

(3) This course explores the fundamentals of

structure and properties of materials. Topics include: classification of materials; structure and bonding; electrical, thermal, magnetic, and optical properties; and applications. *Prerequisite or corequisite: PHYS 430.*

**470 Modern Experimental Physics. (2)**

Laboratory experiments illustrating both the development of modern physics and modern experimental systems techniques. Experiments cover a range of topics. *Prerequisite: PHYS 214.*

**472 (Cross-listed with CHEM 472)**

**Experimental Techniques in Materials Science. (2)** This course explores basic experimental techniques used in studying the structure and properties of materials. Students will gain hands-on experience in operating a variety of instruments, and learn to collect and analyze data to study the properties of materials. *Not open to students with credit in CHEM 472. Prerequisite: PHYS 464.*

**476 Special Topics in Physics. (1–4, repeatable with no maximum)** Lecture course in topics of current interest, to be announced in the class schedule. Topics based on the student's previous training and interests. *Prerequisite: consent of instructor.*

**477 Special Problems in Experimental and Theoretical Physics. (1–4, repeatable with no maximum)** Individualized study of any phase of Physics not otherwise covered. Opportunity for undergraduates to engage in experimental or theoretical research under staff supervision. *Prerequisite: consent of the instructor.*

**478 Physics Internship. (1–12)** A one-semester on-the-job experience in an industrial facility or a research laboratory. *Prerequisite: consent of department chairperson and PHYS 477.*

**481 (Cross-listed with BIOL/CHEM/GEOL/METR 481) Techniques and Issues in Science Teaching. (3)**

An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/CHEM/GEOL/METR 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/ PHYS 482.*

**482 (Cross-listed with BIOL/CHEM/GEOL/METR 482) Science in Context. (3)** Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BIOL/CHEM/GEOL/METR 482. Prerequisites: senior standing in one of the*

*following science majors—Biology, Chemistry, Physics, Geology, or Meteorology; ENG 280; or permission of instructor.*

**490 Seminar. (2)** Reading, discussion, and criticism of selected topics. Oral presentation and formal paper on a chosen topic. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280.*

**491 Honor Thesis. (1–3, not repeatable)** A Physics thesis prepared by an Honors student under the direction of one or more members of the Physics Department. *Prerequisite: Honors major in Physics and junior or senior standing.*

**499 Assessment of Physics Knowledge. (0)** Students pursuing a bachelor's degree through the Department of Physics are required to take this course in their last semester. Students will complete an assessment of their knowledge of physics concepts. *Graded S/U only. Prerequisites: senior standing in the Department and permission of the instructor. Corequisite: PHYS 490.*

## (Education)

**239 Pre-Teacher Education Program**

**Admittance. (0, repeatable with no maximum)** Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established departmental criteria for admittance to TEP. *Graded S/U.*

**339 Pre-Student Teaching Clearance. (0)**

Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for departmental clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U.*

**439 Methods of Teaching Middle and High School Science. (3)**

Study of secondary teaching methods (Grades 6–12) from the standpoints of theory and practice, curriculum objectives and standard implementation, materials, and evaluation and assessment. Included are demonstrations, discussions, lectures, classroom participation, and field observations. *Prerequisites: BIOL/GEOL 181 or GEOG/PHYS 182, BIOL/CHEM/GEOL/METR/PHYS 381, and EDS 301 (all with C- grade or better). Corequisite: EDS 303.*

**469 Pre-Licensure Clearance. (0)** Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the department in order to be recommended for licensure.

*Prerequisite: departmental clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U*

**480 Student Teaching.** See STCH 480.

## **Political Science**

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### **Program Offerings and Locations**

- Bachelor of Arts in Political Science: Macomb, Online (General and Public Administration/Public Policy options)
- Minor in Global Politics: Macomb
- Minor in International Studies: Macomb
- Minor in Political Science: Macomb, Online
- Minor in Public Administration and Public Service: Macomb

### **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

### **Faculty**

Albarracin, Auger, Baldi, Boeckelman, Day, Hardy, LaFrance, Lee, Placide, Taylor.

### **GradTrac**

GradTrac is available to Political Science majors. See page 79 for information about GradTrac.

### **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

### **Integrated Baccalaureate and Master's Degree Program**

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Political Science: Master of Arts in Political Science. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

### **Department Information**

Political Science is both an ancient discipline and one of the most recent social sciences. Political scientists study political institutions, the political behavior of individuals and groups, the formulation and execution of public policy, the relations among states, and also enduring moral issues, such as what is justice and how leaders should be chosen.

The Political Science major prepares the student for a wide range of careers, including: administration of national, state, and local government agencies; preparation for admission to law school; urban and regional planning; political journalism, the

conduct and analysis of foreign policy; and preparation for graduate study in Political Science. The departmental advisor has career guides for students interested in law school, graduate study in Political Science, graduate study in public policy, public administration, foreign affairs, and politics.

## Degree Program

### Bachelor of Arts—Political Science

All students seeking the Bachelor of Arts in Political Science must complete I, II, and III.A, III.B, III.C, III.D, or III.E below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. *A maximum of 6 s.h. of POLS 402 may be counted towards the Political Science major.*

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85) .....	60 s.h.
II.	Core Courses..... POLS 122*, 228*, 267*, 284, 300 or 302, 492†	18 s.h.
III.	Options of Study (Select A, B, C, D, or E)	
A.	Political Science—General	
1.	Directed Electives	
a.	At least one course from POLS 381, 382, 383, 389..... <i>If more than one course is taken, it counts as a Department Elective.</i>	3 s.h.
b.	At least one course chosen from POLS 317, 318, 319 .....	3 s.h. <i>If more than one course is taken, it counts as a Department Elective.</i>
2.	Department Electives .....	12 s.h.
3.	Any Minor .....	minimum 16 s.h.
4.	Open Electives.....	14 s.h.
B.	American Government	
1.	Directed Electives	
a.	At least one course chosen from POLS 381, 382, 383, 389..... <i>If more than one course is taken, it counts as a Department Elective.</i>	3 s.h.
b.	At least two courses chosen from POLS 317, 318, 319..... <i>If more than two courses are taken, they count as Open Electives.</i>	6 s.h.
c.	Three courses chosen from POLS 223, 308, 311, 315, 317, 318, 319, 328, 335, 395, 402, 410, 411, 448, 470 .....	9 s.h.
2.	Any Minor .....	minimum 16 s.h.
3.	Open Electives.....	14 s.h.
C.	International Relations/Comparative Politics	
1.	Directed Electives	
a.	At least one course chosen from POLS 381, 382, 383, 389..... <i>If more than one course is taken, it counts as an Open Elective.</i>	3 s.h.
b.	Students must take at least one course from the <i>International Relations</i> courses listed below and at least one course from the <i>Comparative Politics</i> courses listed below. Students should then select 3 additional courses from the lists below..... <i>International Relations:</i> POLS 331, 334, 338, 340, 353, 440, 446 <i>Comparative Politics:</i> POLS 322, 324, 327, 329, 400, 465	15 s.h.
2.	Any Minor .....	minimum 16 s.h.
3.	Open Electives.....	14 s.h.
D.	Pre-Law	
1.	Directed Electives	
a.	At least one course chosen from POLS 381, 382, 383, 389..... <i>If more than one course is taken, it counts as an Open Elective.</i>	3 s.h.

# **Political Science**

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b.	At least four courses chosen from: POLS 226, 304, 319, 410, 411, 435, 447, 448.....	12 s.h.
c.	At least one course chosen from: POLS 223, 315, 317 .....	3 s.h.
2.	Any Minor .....	minimum 16 s.h.
3.	Open Electives.....	14 s.h.
E.	Public Administration/Public Policy	
1.	Directed Electives	
a.	Select POLS 300 or 302 (whichever was not taken as a Core course).....	3 s.h.
b.	At least one course chosen from POLS 381, 382, 383, 389.....	3 s.h. <i>If more than one course is taken, it counts as a Department Elective.</i>
c.	Three courses chosen from POLS 223, 393, 400, 402, 410, 447, 490, 493, 494 .....	9 s.h.
2.	Department Electives.....	3 s.h.
3.	Any Minor .....	minimum 16 s.h.
4.	Open Electives.....	14 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a General Education global issues course or 2) a Political Science (POLS) global issues course.

\* Two of POLS 122, 228, 267 may count toward the University General Education requirement.

† POLS 492 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

## **Minors**

### **Minor in Political Science ..... 18 s.h.**

1.	Core .....	9 s.h.
a.	POLS 122	
b.	One course chosen among POLS 381, 382, 383, 388, 389	
c.	One course chosen among POLS 228, 267, 284, 300	
2.	Political Science Electives .....	9 s.h.

At least 6 s.h. of POLS electives must be chosen from courses numbered 300 or above.

### **Minor in Global Politics ..... 18 s.h.**

1.	POLS 228 and 267.....	6 s.h.
2.	Political Science Electives .....	12 s.h.
a.	Select at least two courses from the following: POLS 331, 334, 338, 340, 353, 440, 446	
b.	In addition, two courses may be chosen from the following: POLS 322, 324, 327, 329, 400, 465	

### **Minor in Public Administration and Public Service ..... 18 s.h.**

1.	POLS 122, 300 .....	6 s.h.
2.	Political Science Electives selected among the following courses: .....	12 s.h.
	POLS 302, 393, 402 (maximum of 3 s.h.), 447, 490, 493, 494	
	One course may be selected from the following: POLS 223, 401 (maximum of 3 s.h.), 470	

## Dual Program

A dual program in Arts and Sciences and Law is available for Political Science majors. Please see the Dual Programs section of this catalog (p. 345) for a detailed description of the program.

## Course Descriptions

### POLITICAL SCIENCE (POLS)

#### (American Government and Politics)

##### 122 American Government and Politics.

(3) (General Education/Social Sciences)

Development, organization, powers, limitation, and practical problems of the governmental and political system of the United States.

*IAI: S5 900.*

**223 State Government and Politics.** (3) The role of state and local governments within the American federal system.

*IAI: S5 902.*

**311 (Cross-listed with AAS 311) Race and Ethnicity in American Politics.** (3) This course examines how racial and ethnic minority groups shape, and are shaped by, American politics and society. It focuses primarily on the politics of specific racial and ethnic minority groups in the United States. *Not open to students with credit in AAS 311.* Prerequisite: POLS 122 or permission of instructor.

**315 Illinois Government and Politics.** (3) A comprehensive study of Illinois government. Special attention to constitutional developments and the organization and functioning of the government. Prerequisite: POLS 122 or 223, or permission of instructor.

**317 The Congress.** (3) The role of the national legislature in its relationship to the structure of American government and the legislative process. Prerequisite: POLS 122 or permission of instructor.

**318 The Presidency.** (3) Analysis of the powers of the President and the relationship of the office to the legislative and judicial branches. Prerequisite: POLS 122 or permission of instructor.

**319 The Judiciary.** (3) Functions and role of the federal court system and the judicial process. Emphasis on decision-making, judges, the legal profession, and administration of the courts. Prerequisite: POLS 122 or permission of instructor.

**328 Politics and the Media.** (3) This course will explore the power and limits of the media in American politics as well as the ways in which the media defines the "news." Prerequisite: POLS 122 or permission of instructor.

**395 Politics and Religion in America.** (3) The impact of religion in contemporary American political life, focusing on constitutional issues, electoral politics, and more generally, the interaction between politics and religion. Prerequisite: POLS 101 or 122 or permission of instructor.

**410 Constitutional Law: Government Organization and Powers.** (3) An examination of constitutional law in the United States with special emphasis on cases dealing with the framework, powers, and functions of the federal

system. Prerequisite: POLS 122 or permission of instructor.

**411 Constitutional Law: Civil Liberties and Civil Rights.** (3) An examination of U.S. Constitutional law, with special emphasis upon civil liberties and civil rights cases. Prerequisite: POLS 122 or permission of instructor.

**448 The Supreme Court.** (3) An examination of the process and politics of the U.S. Supreme Court with emphasis on decision making and on a simulation of the Supreme Court process. Prerequisite: POLS 122 or permission of instructor.

**470 Urban Government and Politics.** (3) Organization and functions of the government of cities: urban politics, problems, and policies. Prerequisite: POLS 122 or 300 or permission of instructor.

#### (Comparative Government and Politics)

**267 Introduction to Comparative Government and Politics.** (3) (General Education/Social Sciences) (Global Issues) An introduction to important analytical concepts in comparative politics, the major types of political systems, and major components of the political process. *IAI: S5 905.*

**322 European Politics.** (3) (Global Issues) This course examines the origins and bodies of the European Union, major issues in contemporary European politics and society, and the political institutions of European countries, including Britain, France, Germany, and Poland. Prerequisite: POLS 267 or permission of instructor.

**324 Politics of Immigration.** (3) Course will examine issues related to immigration politics and policy, including how select nations decide how many immigrants should be admitted and who should be admitted. Prerequisites: POLS 101 or 122 or permission of instructor.

**327 (Cross-listed with AAS 327) African Politics.** (3) This course examines the nature of institutions and political rule in Africa before and after independence. Key topics include the colonial inheritance, ethnicity and social characteristics of African societies, and the nature and role of political institutions. *Not open to student with credit in AAS 327.* Prerequisite: POLS 267 or permission of instructor.

**329 Latin American Politics.** (3) (General Education/Multicultural Studies) (Global Issues) An examination of the colonial legacy, role of the United States in the region, current economic and social conditions, and political institutions of different countries including Cuba, Nicaragua, Mexico, Brazil, and Argentina. Prerequisite: POLS 267 or permission of instructor.

**400 Comparative Public Policy.** (3) (Global Issues) Examines the public policy process and public policy outcomes using a comparative perspective. It analyzes different policy areas (immigration, crime, drugs, etc.) in diverse contexts—industrial and developing countries—

# Political Science

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and in selected cases in the Americas, Europe, and Asia. *Prerequisite: POLS 300 or 302 or permission of instructor.*

## (International Relations)

### 228 Fundamentals of International Relations. (3) (General Education/Social Sciences)

**(Global Issues)** An introduction to both the major concepts and approaches in the study of international relations, and to the contemporary international system, its components, and its problems.

*IAI: SS 904.*

**305 International Relations Theories and Approaches.** (3) A systematic analysis of theories and approaches in the study of international relations intended as a follow-up course to POLS 228 and a theoretical preparation for other international relations courses.

*Prerequisites: POLS 228 or permission of instructor.*

**331 United States Foreign Policy.** (3) **(Global Issues)** The role of the United States in the family of nations. The apparatus, materials, and methods of foreign policy. The significance of foreign policy as part of the political system of the United States.

*Prerequisite: POLS 122 or 228, or permission of instructor.*

**334 Politics of the Global Economy.** (3) **(Global Issues)** Political analysis of theories and operation of the modern international economy, including international institutions and transnational corporations, the globalization of finance and production, and issues of dominance and dependence.

*Prerequisite: POLS 228 or permission of instructor.*

**338 The United Nations and International Organization.** (3) **(Global Issues)** A study of world and regional organization as reflections of world politics, as instruments of foreign policies, and as forces for change and order.

*Prerequisite: POLS 228 or permission of instructor.*

**340 US-China Relations.** (3) Study of contemporary relations between the United States and China, examining shifting patterns of cooperation and competition on a wide range of issues.

*Prerequisite: POLS 228 or permission of instructor.*

**435 Introduction to International Law.** (3) A study of theories, origins, sources, development, and trends of international law as a factor in various aspects of international politics.

*Prerequisite: POLS 228 or permission of instructor.*

### 440 National Security and Arms Control.

**(3) (Global Issues)** Systematic analysis of the disarmament efforts of nations; problems of U.S. national security and arms control; economic and political implications.

*Prerequisite: POLS 228 or permission of instructor.*

### 446 Conflict Resolution and International Peacekeeping.

**(3) (Global Issues)** Study of the history and practice of international peacekeeping operations. Emphasis on international organizations and the feasibility of conflict resolution and collective security.

*Prerequisites: POLS 122 and 228.*

## (Political Theory)

### 200 Introduction to Political Thought.

**(General Education/Social Sciences)** Survey

of political theorists from Socrates to present with special emphasis on the themes of justice, community, equity, liberty, and freedom.

*IAI: PLS 913.*

**381 Classical Political Theory.** (3) The development of Western political philosophy from Plato to Machiavelli with particular emphasis on justice and the good society.

*Prerequisite: POLS 101 or 122, or permission of instructor.*

**382 Modern Political Theory.** (3) A study of modern and contemporary political theories from Machiavelli to the present with particular emphasis on such concepts as justice, liberty, freedom, and equality.

*Prerequisite: POLS 101 or 122, or permission of instructor.*

**383 American Political Thought.** (3) Introduction to political theory in the United States designed to present a balanced picture of the origins and development of American political ideas from colonial times to the present.

*Prerequisite: POLS 101 or 122, or permission of instructor.*

**389 Politics and Ethics.** (3) The course will focus on the ethics of the process of decision making by public officials in a representative democracy. The course also will examine the ethical issues raised by public policies on abortion, affirmative action, and the environment.

*Prerequisite: POLS 122.*

## (Public Administration)

**300 Introduction to Public Administration.** (3) Policy development and the implementation by governmental agencies; the exercise of discretion by administrative bodies, their responsibility to elected public officials, and their responsiveness to societal demands.

*Prerequisite: POLS 101 or 122, or permission of instructor.*

**302 Introduction to Public Policy.** (3) A comprehensive study of public policymaking and systematic description, explanation, and evaluation of the processes in which public policies are developed, legitimized, funded, implemented, and evaluated in terms of their social impact.

*Prerequisite: POLS 101 or 122 or permission of instructor.*

**393 Environmental Politics.** (3) A study of the political, legal, administrative, and regulatory aspects of controlling pollution, protecting environmental quality, and managing natural resources.

*Prerequisite: POLS 122 or permission of instructor.*

### 447 Administrative Law and Politics.

A course about the cases and legal system surrounding public administration and public employees. Topics include the delegation of power to agencies, Separation of Powers, due process rights when dealing with the bureaucracy, and contemporary issues in administrative law.

*Prerequisite: POLS 122 or 300, or permission of instructor.*

### 490 Public Policy Analysis and Bureaucracy.

**(3)** The role of the public bureaucracy in the policy-making and policy-formation process. Legislative and judicial policy-making are contrasted with administrative policy-making.

*Prerequisite: POLS 300 or 302 or permission of instructor.*

**493 Seminar in Organization Theory and Behavior.** (3) Review of classical and modern theories of administration. Goals and expectations of high echelon administrators. Treatment of authority relationships in formal organizations. *Prerequisite: POLS 300 or 302 or permission of instructor.*

**494 Public Budgeting.** (3) Financial and budgetary processes and problems of public agencies at various governmental levels. Includes types and functions of budgets. Systematic program evaluation and budgetary allocation questions are emphasized. *Prerequisite: POLS 300 or 302 or permission of instructor.*

## (General and Special Courses)

**101 Introduction to Political Science.** (3) **(General Education/Social Sciences)** Designed to acquaint the beginning student with the scope and methods of Political Science and with basic elements of democratic theory.  
*IAI: SS 903.*

**201 Current Events and Politics.** (3) Close examination of current political events with consideration of methodologies and tools available to help citizens understand these events. Evaluation of how contested issues and problems are portrayed and debated by political elites, the media, and grassroots organizations.

**224 Latinx Politics.** (3) This course introduces students to the historical and current role of Latinx population in the US democracy, including the struggles during the civil rights movement, increased registration and voting in recent times, and the importance of Latinx in recent elections. *Prerequisite: POLS 101 or 122, or permission of instructor.*

**226 Introduction to Law and Society.** (3) An introduction to a variety of perspectives of law and society including the origins and functions of law, law as an agent of social control and social change, tort reform, the role of lawyers, and modern legal controversies.

**284 Political Research and Analysis.** (3) Designed to acquaint the student with the relationship between political theory and data. Relevant data bases in Political Science (e.g., political socialization, voting behavior) are used to explore and test hypotheses in Political Science. *Prerequisite: POLS 101 or 122, or permission of instructor.*

**298 Individual Studies.** (1-3) Special projects in Political Science carried out under the supervision of a faculty member. *Prerequisites: at least one other course in Political Science and permission of instructor.*

**304 Judicial Simulation.** (3) A course guiding students through basic trial procedure including opening and closing statements, examination of witnesses, rules of evidence, and case themes and strategies. *Prerequisite: POLS 122 or permission of instructor.*

**306 Politics and Game Theory.** (3) Game theory is a method to understand the strategic interaction between people in different situations using games. This course introduces game theory and applies it to Political Science topics such as voting, war, bargaining, campaigns, and jury decisions. *Prerequisite: POLS 122 or permission of instructor.*

**308 (Cross-listed with PSY 308) Political Psychology.** (3) A study of the psychological underpinnings of political behavior to better understand how individuals make sense of and react to the political world. *Not open to students with credit in PSY 308. Prerequisite: POLS 122 or PSY 100, or permission of instructor.*

**335 (Cross-listed with WS 335) Women and Politics.** (3) **(General Education/Multicultural Studies)** An examination of the changing role of women in American politics. Focus on women as participants in politics, public policies of concern to women, and feminist theories of political change. *Not open to students with credit in WS 335. Prerequisite: POLS 101 or 122 or permission of instructor.*

**353 Terrorism and Political Conflict.** (3) **(Global Issues)** An examination of the political and ideological sources of modern terrorism and the evolving implications for international and domestic politics. *Prerequisite: POLS 228 or permission of instructor.*

**401 Independent Study.** (1-6, repeatable to 6) Individual study and research in any subfield of Political Science. *Prerequisite: at least sophomore standing and permission of instructor and advisor.*

**402 Internship in Public Affairs.** (1-12, repeatable to 12) Actual work assignments in public or private agencies related to government, politics, or public affairs. *A maximum of 6 s.h. may be counted towards the Political Science major. Prerequisite: Political Science major or permission of the department chair and internship coordinator.*

**415 (Cross-listed with WS 415) Politics of Reproduction.** (3) This course examines reproduction as an issue of public interest and considers how public and private interests can conflict regarding women's ability to control their reproduction. *Not open to students with credit in WS 415. Prerequisite: WS 190 or permission of instructor.*

**465 Genocide in Our Time.** (3) **(Global Issues)** Case studies of recent genocides with examples from Europe, the Middle East, Asia, and Africa. Examination of the perspectives of social scientists, victims, perpetrators, and witnesses. *Prerequisite: POLS 228 or 267, or permission of instructor.*

**479 Practicum in Survey Research Methods.** (3) Students will work one-on-one with a faculty member on a research project in survey research. This course brings together the theory and practice of survey research methods. *Prerequisites: Successful completion of POLS 284.*

**484 Advanced Political Research and Analysis.** (3) A hands-on class about the use of statistics to analyze and present quantitative data and account for a variety of political phenomena. *Prerequisite: POLS 284 or STAT 171, or permission of instructor.*

**492 Senior Seminar in Political Science.** (3) Survey of major concepts and theories of Political Science. Students will read important works from the discipline and will write a research paper. *Writing Instruction in the Disciplines (WID) course. Prerequisites: senior Political Science major, ENG 280, and permission of Political Science advisor.*

# **Pre-Professional and Dual Programs**

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## **Pre-Professional Programs**

Western Illinois University offers six pre-professional programs designed to prepare students for professional study at other universities at the undergraduate and graduate levels. Each pre-professional program consists of a series of WIU courses which students are advised to take to gain the knowledge and skills required for professional study in a specific field. An academic advisor is assigned to each of the pre-professional programs. Students should consult with the advisor for information on the entrance requirements of professional schools, recommended WIU courses for professional preparation, and degree completion requirements and options.

### **Pre-Engineering**

Students who wish to transfer to a college of Engineering after two years of pre-professional study should complete the program below, which is designed to meet the requirements from the College of Engineering at the University of Illinois at Urbana/Champaign (UIUC). The engineering school requirements often change and vary across disciplines. It is important for students to maintain ongoing communication with their advisor or the department chair to remain on track to meet all requirements in a timely manner. Any student planning to attend an Engineering school other than UIUC should inform his or her advisor of this fact, so that changes in the program can be suggested. Those who start this curriculum and subsequently decide to remain at WIU usually transfer to related programs without loss of credit.

Students interested in this program should contact the Pre-Engineering advisor in the Department of Physics. Please also see the Dual Programs section of this catalog (p. 345) for a detailed description of the dual program in Arts and Sciences and Engineering.

#### **Freshman Year**

##### *Fall Semester*

ENG 180; ET 105; MATH 133\*; PHYS 211\*\*

##### *Spring Semester*

CS 225; MATH 134; PHYS 212; Elective

- \* Engineering students planning to attend the University of Illinois should keep in mind that any course below the level of MATH 133 will not count toward the Engineering degree. However, several pre-calculus courses are available for students unable to take four years of college preparatory Mathematics in high school.

\*\* PHYS 211 has MATH 133 or the equivalent as a corequisite.

#### **Sophomore Year**

##### *Fall Semester*

CHEM 201; MATH 231, 311; PHYS 213, 271

##### *Spring Semester*

CHEM 202; ENG 280; MATH 333; PHYS 214; PHYS 310

Students may select electives in the Social Sciences and Humanities from a list of transferable electives which can be obtained from a Pre-Engineering advisor; a partial list appears below. *Transfer credit for foreign languages courses at the University of Illinois will be approved only after a review of the student's high school foreign languages background. All transfer students entering the college of Engineering are required to have completed two college/university semesters of a foreign language or three years of a foreign language in high school.*

Technical courses are available at WIU which may also be taken as electives. For example, civil engineers may take a course in surveying or Geology. Mathematical Statistics is recommended for some other fields of Engineering.

## **Pre-Professional and Dual Programs**

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### *Humanities*

AAS 281, 282, 283  
ARTH 180, 282, 283, 394, 395  
ENG 195, 200, 201, 202, 205, 290, 300, 301, 328, 338  
Foreign Languages: FR/GER/SPAN 121, 122, 223, 224, 325, 326 (Review of high school preparation required by University of Illinois.)  
HIST 105, 106, 115, 116, 300  
MUS 190, 195, 393, 397  
Philosophy: all courses except PHIL 140 and 340  
Religious Studies: all courses  
THEA 110, 390, 391

### *Social Sciences*

AAS 100, 145, 251, 290, 300  
ANTH 110, 111  
ECON 231, 232; **Note:** ECON 231 is a required course in some Engineering curricula.  
GEOG 100, 110  
POLS 122, 284  
PSY 100, 250, 251  
SOC 100, 200, 250

Pre-Engineering students should maintain at least a 3.00 (A=4.00) grade point average. Isolated D grades are accepted under certain conditions and may count toward graduation.

### **Pre-Forestry**

Students who wish to pursue studies in Pre-Forestry should contact the academic advisor in the School of Agriculture. This two-year curriculum is designed to prepare students to enter a School of Professional Forestry with advanced standing.

The following is presented as a general outline which will be modified to meet the demands of the school to which the student expects to transfer.

#### *First Year*

AGRI 120; FOR 200; BOT 200; ZOOL 200; CHEM 201, 202; ENG 180; HORT 180  
Kinesiology  
Mathematics (2 semesters)

#### *Second Year*

COMM 241; ECON 231; FOR 308; ENG 280  
Humanities (2 semesters)  
Social Science (2 semesters)  
Physics (2 semesters)

### **Pre-Health Program (Medicine, Optometry, Dentistry, Physical/Occupational Therapy)**

Western Illinois University provides excellent instruction to prepare students for a health-related professional degree in Medicine, Optometry, Dentistry, Physical Therapy, and Occupational Therapy. Most students at Western who wish to pursue a professional degree in a health-related field major in Biological Sciences, but other majors may also be appropriate. See page 140 of this catalog for information about Western's Medical Sciences option offered by the Department of Biological Sciences.

### **Pre-Law**

Law schools do not require any particular undergraduate major. Students are encouraged to pursue a course of study in line with their intellectual interests. They are cautioned against narrow specialization directed too pointedly toward later

## **Pre-Professional and Dual Programs**

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professional training and practice. Many of the goals of legal education are also goals of a broad liberal education. It is advisable for students to select intellectually challenging courses which promote the development of skills of comprehension and communication (written and verbal), which enhance creative thinking, and which foster a critical understanding of the human institutions and values with which the law addresses.

Admission to law school is highly competitive. The two major criteria for admission are the undergraduate grade point average and the score on the Law School Admission Test (LSAT). The LSAT is a standardized examination given multiple times each year. Students intending to apply to law school should plan to take this test no later than December of their senior year.

### *Pre-Law Advising*

All students, whatever their major, may request a Pre-Law advisor to supplement their major advising and assist them in their preparation for law school. Students considering law school are urged to seek Pre-Law advice as early as possible in their undergraduate career. Dr. Lorette S. Oden, Centennial Honors College, Dr. Jill Joline Myers, School of Law Enforcement and Justice Administration, and Victoria Smith, Student Legal Advocate, are available for advising students interested in a legal career.

### *Pre-Law Major Options*

Some degree programs at Western Illinois University include a Pre-Law option. Pre-Law options allow students to prepare for success in law school within their major area of study. Brief descriptions of Western's Pre-Law options are provided below.

The B.A. in History Pre-Law Option, offered by the Department of History, surveys the origins and evolution of American legal traditions—in Enlightenment thought, in the foundations of British, European, and American constitutionalism, and in the evolution of American federalism, civil rights, and commercial and criminal law. Students' History courses will help them develop the analytical and problem-solving skills, critical reading ability, writing skills, and oral communication skills essential in law school and when practicing law. For more information about the History Pre-Law Option, see page 249 of this catalog.

The B.A. in Political Science Pre-Law Option, offered by the Department of Political Science, provides students the opportunity to explore law-related topics by studying constitutional law directly. In addition, it emphasizes courses related to law making and interpreting institutions, including the courts, Congress, and state legislatures. This option helps students understand the role of law in society while providing a basis for them to gauge their interest in law school. By analyzing cases, as well as presenting and critiquing arguments, students will develop reading, writing, and presentation skills that foster success in a legal career. For more information about the Political Science Pre-Law Option, see page 335 of this catalog.

### *Pre-Law Minors*

The interdisciplinary Minor in Law and Society helps prepare students for careers in law and related fields, such as the administration of justice. Its interdisciplinary nature provides a solid background in the history and philosophy of law, as well as its current relevance for resolving social, political, and moral questions. In addition to helping students understand legal concepts and the role of law in contemporary society, the minor helps build skills in critical thinking and communication. For more information about the Minor in Law and Society, see page 259 of this catalog.

The Minor in Legal Studies, offered by the School of Law Enforcement and Justice Administration, complements all majors and helps students prepare for law school,

## Pre-Professional and Dual Programs

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paralegal programs, or careers in court related services. The courses selected for the minor offer legal theory and applied knowledge. The minor will assist students in articulating the various processes by which different types of cases proceed within the American legal system, in understanding and analyzing legal conflicts through reading and discussing the practical and theoretical bases of case law, and in communicating effectively through classroom presentations and demonstrations of courtroom activities. For more information about the Minor in Legal Studies, see page 277 of this catalog.

The **Pre-Law Honors Minor** is a unique interdisciplinary minor for students who are enrolled in the Centennial Honors College and who plan careers in law. The curriculum for this minor is designed to provide students with skills and knowledge important as a foundation for the study of law. Emphasis is given to the development of effective written and oral communication, analytical and critical reasoning, and an understanding of institutions, social processes, and human values important to legal studies. Students from all majors are eligible for this honors option, and upon completion of the requirements will graduate as Honors Scholars. For more information about the Pre-Law Honors Minor, see page 102 of this catalog.

### Pre-MBA

The Pre-MBA minor is designed specifically for students majoring in areas outside the Bachelor of Business who are considering graduate level study in business. Through a set of core business courses, this minor provides students with the fundamentals of business administration and gives them a solid preparation for many entry level positions in business. The minor facilitates the undergraduate's transition to the MBA at Western Illinois University.

The Pre-MBA curriculum has been created to include accelerated courses for the principles of Accounting and Economics. These are complemented by courses in Finance, Information Systems, Management, Marketing, and Statistics. A majority of these courses are at upper-division; this allows students to begin this minor late in their undergraduate programs and complete the requirements without delaying their graduation.

Completion of the Pre-MBA minor does not guarantee admission to an MBA program. Students seeking an MBA at WIU are required to complete the GMAT examination. Admission to the MBA program is based on a combination of undergraduate GPA and GMAT score. The MBA program also requires a minimum grade of "C" and a minimum GPA of 2.75 in the Pre-MBA core courses.

The Pre-MBA minor is not available to students seeking the Bachelor of Business degree.

For more information about the Pre-MBA minor, contact an advisor in the Business Advising Center in Stipes Hall 133 or (309) 298-1619 in Macomb or (309) 762-9481 at the WIU—Quad Cities Riverfront Campus.

### Minor in Pre-MBA ..... 21-27 s.h.

**Note:** This minor is not open to students majoring in Accountancy, Business Analytics, Economics (B.B.), Finance, Human Resource Management, Management, Marketing, or Supply Chain Management.

1. ACCT 307 (or ACCT 201 and 202) .....	3-6 s.h.
2. ECON 408 (or ECON 231 and 232) .....	3-6 s.h.
3. FIN 331.....	3 s.h.
4. IS 340.....	3 s.h.
5. MGT 349 .....	3 s.h.
6. MKTG 327.....	3 s.h.
7. STAT 171 .....	3 s.h.

# **Pre-Professional and Dual Programs**

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## **Pre-Veterinary Medicine**

The WIU School of Agriculture offers a pre-professional program designed to meet the requirements for admission to a School of Veterinary Medicine. Students who wish to pursue studies in Pre-Veterinary Medicine should contact the academic advisor in the School of Agriculture. Due to intense competition for admission to Schools of Veterinary Medicine, most students complete a four-year bachelor's degree program prior to admission. Those students considering a career in Veterinary Medicine should have a good foundation in Biological Sciences and Chemistry, including Biochemistry, as the minimum knowledge base for success in the curriculum. In addition, a course or courses concerning livestock production and animal ethology are highly desirable for all students. Those seeking a career in Veterinary Medicine related to Agriculture should consider additional background in nutrition, livestock management, and the economics of production by working toward a degree in Agriculture prior to admission to veterinary school. Students may also pursue other major fields of study. The 60-hour Pre-Veterinary requirement and the suggested WIU courses for admission to the School of Veterinary Medicine at the University of Illinois are outlined below. Admission requirements for other schools of Veterinary Medicine are different but can be met with advisor consultation.

### *Required*

BIOL 330; BOT 200; CHEM 201, 202, 330, 421; ENG 180 and 280 or COMM 241;  
MICR 200; PHYS 114, 115 or 124, 125; ZOOL 200  
Humanities or Social Science (12 s.h.)  
Junior/Senior level approved Agriculture and science electives (12 s.h.)

### *Recommended, But Not Required*

AGRI 376; ANSC 112, 314, 322, 424; BIOL 340; ZOOL 430  
Mathematics—calculus, trigonometry, and statistics

## **Dual Programs**

Western Illinois University has made arrangements with professional schools at other universities so that students can complete requirements for a bachelor's degree in the College of Arts and Sciences while working toward a professional degree or certificate. This is done in cases where credits can be transferred from the professional school in work closely related to that offered in the college. Typically, students complete three years of work at WIU and transfer one year of work from the professional school in satisfaction of WIU degree requirements.

## **Dual Program in Arts and Sciences and Clinical Laboratory Science**

This dual program is four years in length and leads to the degree of Bachelor of Science in Clinical Laboratory Science. The first three years of the program are spent at WIU, followed by 12 months at an approved School of Medical Technology. The clinical year program requires a 2.75 grade point average. After completion of the four-year program, graduates take an examination for registration given by the Board of Registry of Medical Technology of the American Society of Clinical Pathologists. Upon successful completion of the total program, a student receives the Bachelor of Science degree at Western and the MT (ASCP) certificate from the Registry of Medical Technologists. Students enrolling in this program will be advised by the Department of Biological Sciences. The curriculum is given below.

### *First Year*

BIOL 170; BOT 200; CHEM 201, 202; ENG 180; MATH 128, 129 or 133 or equivalent (see advisor); ZOOL 200  
Social Science elective (FYE)

## **Pre-Professional and Dual Programs**

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Humanities elective  
Human Well-Being elective (UNIV 100)

### *Second Year*

CHEM 330 or 331 and 421 (or 332); ENG 280; F L 121, 122 or equivalent (see advisor); MICR 200, 434  
Social Science elective  
Social Science elective

### *Third Year*

COMM 241; PHYS (see advisor) 124, 125 or 114, 115; STAT 171; ZOOL 430  
2 Electives—BIOL 330 or 340; MICR 400 or 463 or 464 or 460  
Humanities elective  
Multicultural Studies elective

### *Fourth Year*

Taken at an approved School of Medical Technology (approximately 32 s.h.)  
Clinical Biochemistry  
Clinical Chemistry  
Clinical Hematology  
Clinical Microbiology (bacteriology, parasitology, mycology)  
Clinical Serology and Immunology  
Blood Bank

### **Dual Program in Arts and Sciences and Engineering**

Western Illinois University has an agreement with the College of Engineering at the University of Illinois, whereby students may obtain the bachelor's degree from the College of Arts and Sciences at WIU and a degree from the College of Engineering at the University of Illinois. In general, students spend three years at WIU and two to two and one-half at the University of Illinois or the University of Iowa. The student becomes eligible for both degrees when the entire program is completed.

Students who wish to participate in the Arts and Sciences and Engineering dual program should contact an academic advisor in the Department of Physics. Students who enter the program must complete the Pre-Engineering programs described in the Pre-Professional Programs section and the requirements for the Bachelor of Science degree in the College of Arts and Sciences. Since the granting of the two degrees depends on specified course requirements and not the amount of time on each campus, care in planning a program of courses is essential for students to complete the dual program in five academic years. For students interested in pursuing the dual degree option in Physics along with a bachelor's in Engineering, the Engineering Physics curriculum (p. 329) is recommended.

Similar dual-degree programs are available with other Engineering Schools, including the Binary Program with Case Western Reserve University. Please consult your advisor to ensure successful completion of degree requirements.

Students who begin their Pre-Engineering program at a community college and wish to benefit from the WIU dual program must earn a minimum of 30 s.h. at WIU and satisfy all the requirements for the WIU Bachelor of Science degree, except those requirements dealing with majors and minors.

### **Dual Program in Arts and Sciences and Law**

Exceptionally well-qualified students majoring in English, History, or Political Science at Western Illinois University are eligible to pursue an accelerated admission program at University of Illinois at Chicago Law School following the completion of their junior year of undergraduate study at Western. Students must have earned at least 90 WIU semester hours, with the additional 30 hours required for a WIU B.A. in the three

## **Pre-Professional and Dual Programs**

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stipulated majors (120 semester hours total) completed during two full semesters at UIC Law School. Program participants will receive a baccalaureate degree from WIU following successful completion of the first year of law school at UIC Law School, and the law degree (J.D.) from UIC Law School after successfully completing the required law school curriculum, allowing for the fulfillment of requirements for both degrees in a shorter period.

Students interested in this opportunity must work with the academic advisor in their major to ensure successful compliance with all program requirements.

***Note:*** Participants are required to meet the WIU graduation requirement of completion of a minor.

### **Dual Program in General Studies and Chiropractic**

Western Illinois University has an agreement with Palmer College of Chiropractic, Davenport, Iowa, whereby students can earn a Doctor of Chiropractic degree from Palmer and a Bachelor of Arts in General Studies degree from Western. The dual degree program requires admission into WIU's Bachelor of Arts in General Studies degree program and 90 semester hours of credit in approved prerequisite courses prior to enrolling at Palmer. A minimum of 30 semester hours of academic credit from Palmer may be transferred back to WIU to complete the Bachelor of Arts in General Studies degree.

**Chairperson:** Dr. David J. Lane  
**Office:** Waggoner Hall 100  
**Telephone:** (309) 298-1593  
**Fax:** (309) 298-2179  
**Website:** [wiu.edu/psychology](http://wiu.edu/psychology)

## **Program Offerings and Locations**

- Bachelor of Science in Psychology: Macomb, Quad Cities (Psychology option only)
- Minor in Aging Studies: Macomb
- Minor in Forensic Psychology: Macomb
- Minor in Mental Health: Macomb, Quad Cities
- Minor in Neuroscience: Macomb
- Minor in Psychology: Macomb, Quad Cities, Online

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Bainter, Blankenship, Cruise, Fisler, Goodwin, Hammersley, Harbke, Hemenover, Intrieri, Keefe, Kelly, Lane, Lindemann, Louck Davis, McClure, McFadden, McGuire, Morgan, Schmidt, Sim, Zhu.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Department Information**

Psychology is a scholarly and scientific discipline which attempts to understand and explain human behavior, and it is an applied profession which attempts to solve psychological problems and fulfill human potential. Psychology majors therefore acquire knowledge about the principles of human behavior and skill in the application of these principles.

Students seeking to understand why people behave and think as they do should consider a major or minor in Psychology. The study of Psychology prepares students for a wide range of careers in such areas as clinical services, counseling, business, industry, health care, testing, education, and behavioral research. It also prepares students for advancement to graduate studies or enrollment in professional schools. The department has several tracks within the major including Aging Studies, Forensic Psychology, Neuroscience, and Mental Health. Anyone whose future involves interacting with others will find the study and exploration of psychological principles valuable.

# Psychology

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## Degree Program

### Bachelor of Science—Psychology

All students seeking the Bachelor of Science in Psychology must complete I, II, and III below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

**Note:** Students enrolled in this major may not minor in Forensic Psychology.

I.	University General Education and College of Arts and Sciences Curriculum Requirements* (p. 86) .....	55 s.h.
II.	Core Courses..... PSY 100, 200, 223, 323†, 492, 499	14 s.h.
III.	Options of Study (select A or B)	
A.	Psychology .....	51 s.h.
1.	Select 9 s.h. from Category 1:..... PSY 340, 343, 344, 443, 444, 456	9 s.h.
2.	Select 9 s.h. from Category 2:..... PSY 422, 423, 424, 427, 451, 452	9 s.h.
3.	Select 9 s.h. from any Psychology courses.....	9 s.h.
4.	Any Minor .....	16 s.h.
5.	Open Electives.....	8 s.h.
	<b>Note:</b> At least 19 s.h. in the major must be taken at the 300–400 level.	
B.	Forensic Psychology.....	55 s.h.
1.	PSY 453 .....	3 s.h.
2.	PSY 490, taken twice with different topics .....	6 s.h.
3.	Directed Electives..... Select 18 s.h. from any of the following courses: Clinical Foundations: PSY 334, 335, 424, 442, 451, 454 Non-Clinical Foundations: PSY 343, 346, 422, 430, 452, 456; PSY/ANTH 353	18 s.h.
4.	Forensically Related Electives: .....	12 s.h. Select 12 s.h. from the following courses: AAS 270; ANTH 405; HIST 303, 310; LEJA 212, 255, 306, 312, 357, 412, 413; PHIL 205, 420; POLS 319; PSY 434; SW 325, 380; SOC 255, 300, 355, 425, 445, 463; SOC/WS 435
5.	Any Minor .....	16 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.	
*	Students must complete one of the following one-year sequences outside the major: BIOL 100, 101; BOT 200, ZOOL 200; CHEM 101, 102; CHEM 201, 202; METR 120, GEOG 121; GEOL 110, 112; MATH 101, 102; MATH 101, STAT 171; MATH 101, 123; MATH 102, 123; MATH 102, STAT 171; MATH 123, STAT 171; MATH 133, 134; PHYS 114, 115; or PHYS 211, 213.	
†	PSY 323 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.	

**Note:** Certain courses taken in the major and minor may also fulfill University General Education requirements.

## Minors

**Minor in Aging Studies.....18 s.h.**  
See Interdisciplinary Minors (p. 255).

**Minor in Forensic Psychology.....18 s.h.**  
*Note: This minor is not open to students majoring in Psychology.*

1. PSY 100, 453, 490\* ..... 9 s.h.
2. Select 6 hours from the following..... 6 s.h.  
PSY 221, 250, 251, 357, 380, 422, 424, 433, 451, 452, 454, 456,  
457, 490\*
3. Select 3 hours from the following:..... 3 s.h.  
ANTH 405; PHIL 205; POLS 319; SOC 255, 300, 355, 425, 445;  
WS/SOC 435

\* Seminar course—PSY 490 may be taken twice, once as a core requirement and once as a Directed Elective, but they must be on different topics in Forensic Psychology.

**Minor in Mental Health.....18 s.h.**

1. PSY 251, 380, 424..... 9 s.h.
2. Choose 9 s.h. from the following:..... 9 s.h.  
AAS 251; HE 441; HE/WS 321; PSY 243, 334, 353, 355, 427,  
433, 434, 442, 444, 451, 454, 460 or 463 (lab experience or readings must be in a mental health area), 487, 490; SOC 424;  
SW 331, 338

*Note: PSY 460 and PSY 463 may account for a total of 4 s.h.*

*Note: PSY 487 and PSY 490 may account for a total of 3 s.h.*

**Minor in Neuroscience.....19–21 s.h.**

1. PSY 343, 443..... 7 s.h.
2. Choose two courses from the following:..... 6–7 s.h.  
BIOL 340; PSY 444, 340, 344, 456; ZOOL 432; Neuroscience Related Seminar BIOL 470 or PSY 490
3. Choose two courses from the following:..... 6–7 s.h.  
BIOL 330; CHEM 221, 330, 421, 422; KIN 270; PHIL 425;  
ZOOL 330, 331, 321, 420, 430; PSY 460 or 463 (lab experience or readings must be in the Neuroscience area, 460 and 463 may account for 4 total s.h.)

**Minor in Psychology.....18 s.h.**

1. PSY 100 ..... 3 s.h.
2. Psychology Electives..... 15 s.h.

## Course Descriptions

### AGING STUDIES (AGE)

**202 (Cross-listed with ANTH/PSY/RPTA/SOC 202) The Aging Person in the Social Context. (3)** An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in ANTH/PSY/RPTA/SOC 202.*

**460 Individual Research in Aging Studies. (1–3, repeatable to 3)** The student will design, conduct, and present the results of his/her

research project in writing or orally. Research content is drawn from interdisciplinary topics including current issues in aging. Students considering graduate school are strongly encouraged to enroll. *Prerequisites: junior or senior standing; Aging Studies minor; minimum GPA of 3.0 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor.*

**463 Individual Readings in Aging Studies. (1–3, repeatable to 3)** The student will explore a structured set of readings concerning the biological, psychological, and social factors of aging. The student will work in consultation with a designated Aging Studies faculty member and prepare a written report on the topic.

# **Psychology**

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**Prerequisites:** junior or senior standing; Aging Studies minor; minimum GPA of 3.0 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor.

**487 Practicum in Aging Studies. (2)** This is a supervised practicum in a community agency planning for or delivering services to older adults. The practicum focuses on the application of interdisciplinary knowledge through direct experience. *Prerequisites: junior or senior standing; Aging Studies minor; minimum GPA of 2.50 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor. Corequisite: AGE 490. Graded S/U only.*

**490 Seminar in Aging Studies. (1)** An interdisciplinary investigation of selected facets of the practicum in Aging Studies. Seminar discussions focus on the application of concepts derived from all Aging Studies courses and applied to each student's specific field experience. *Prerequisite: junior or senior standing; Aging Studies minor; minimum GPA of 2.50 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor. Corequisite: AGE 487.*

## **PSYCHOLOGY (PSY)**

**100 Introductory Psychology. (3) (General Education/Social Sciences)** An introduction to Psychology including methods, theory, and data regarding the study of behavior. Topics include biological, social, learning, personality, motivation, and abnormal behavior.

*IAI: S6 900.*

**200 Psychology as a Science and Profession. (3)** A required course that provides an overview of career opportunities for Psychology majors; includes an introduction to scientific writing and APA style guidelines. *Prerequisites: Psychology major and PSY 100 and ENG 180, or permission of instructor.*

**202 (Cross-listed with AGE/ANTH/RPTA/SOC 202) The Aging Person in the Social Context. (3)** An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/ANTH/RPTA/SOC 202.*

**221 Psychology of Child Development.**

**(3) (General Education/Social Sciences)** A presentation of the data and generalizations concerning the development of children from birth to adolescence. *Prerequisite: PSY 100 or permission of instructor.*

*IAI: S6 903.*

**223 Research in Psychology I: Statistical Methods. (4)** Introduction to basic statistical concepts, terminology, and methods used in social science research. Topics include measurement scales and descriptive and inferential statistics. Students will gain experience using software for data entry, analysis, display, and presentation of results. *Prerequisites: PSY 100 and must have completed the University General Education Curricular baccalaureate-level skills in Mathematics requirement; Psychology major or permission of instructor.*

**243 Mind, Brain, and Behavior. (3)** This course is a study of basic principles of brain function and

anatomy. The content covers current scientific methodologies and modern theories concerning mind and brain relationships. The course focuses on problem-solving related to popular topics in brain science. *Prerequisite: PSY 100 or permission of instructor.*

**250 Human Social Behavior. (3) (General Education/Social Sciences)** An introduction to the influences of social factors on behavior. Topics include helping, aggression, interpersonal attraction, attitudes, prejudice, and behavior in groups. *Prerequisite: PSY 100 or permission of instructor.*  
*IAI: S8 900.*

**251 Personality and Adjustment. (3) (General Education/Social Sciences)** An introduction to the study of personality and its relation to human behavioral adjustment emphasizing such topics as relating to others, stress management, needs, values, and self-esteem. *Prerequisite: PSY 100 or permission of instructor.*

**308 (Cross-listed with POLS 308) Political Psychology. (3)** A study of the psychological underpinnings of political behavior to better understand how individuals make sense of and react to the political world. *Not open to students with credit in POLS 308. Prerequisite: POLS 122 or PSY 100, or permission of instructor.*

**323 Research in Psychology II: Research Methodology. (3)** An introduction to the use of scientific methods in the study of behavior. Techniques in designing, conducting, and reporting psychological research are covered. Lectures and laboratory. *Writing Instruction in the Disciplines (WID) course. Prerequisites: PSY 200, PSY 223 with a grade of C or better, and ENG 280.*

**334 Perspectives on Substance Abuse. (3)** This course is designed to provide students with a usable framework regarding the nature of substance abuse and dependence. Students will explore various perspectives on substance use, as well as current issues in its diagnosis and treatment. *Prerequisites: PSY 100 and 251, or permission of instructor.*

**335 Substance Abuse Assessment, Education and Case Management. (3)** This course is designed to provide an understanding of the roles of assessment, education, and case management in substance abuse treatment settings. *Prerequisite: PSY 334.*

**340 Fundamentals of Learning and Behavior. (3)** A systematic presentation of the empirical findings concerning the acquisition, maintenance, and removal of behavioral patterns. Findings from the study of animal learning are stressed. *Prerequisite: PSY 223 or permission of instructor.*

**343 Behavioral Neuroscience. (3)** An examination of physiological or biological psychology emphasizing the relationships between behavior and underlying physiological mechanisms. *Prerequisites: BIOL 101 or ZOOL 200, and 6 s.h. of Psychology coursework, or permission of instructor.*

**344 Perception. (3)** A consideration of sensation and perception including color perception, constancies, and illusions. *Prerequisite: PSY 223 or permission of instructor.*

**346 Motivation and Emotion. (3)** The role of motives and emotions in the behavior of

animals and humans including their physiological and psychological bases. *Prerequisite: 6 s.h. of Psychology coursework or permission of instructor.*

**353 (Cross-listed with ANTH 353) Cultural Psychology. (3) (Global Issues)** Examines culture as the physical environment, social institutions and practices, language, and the media that influences human behavior and mental processes. *Not open to students with credit in ANTH 353. Prerequisites: 9 s.h. of Psychology coursework and junior standing or permission of instructor.*

**355 Psychology of Sexual Orientation. (3)** This course examines contemporary theory and empirical research in psychological science as it relates to lesbian, gay, bisexual, and transgender people and their experiences. Topics include coming out, mental and physical health, stereotypes, prejudice, discrimination, microaggressions, relationships, and cultural issues. *Prerequisite: PSY 100 or permission of instructor.*

**357 (Cross-listed with WS 357) Women and Work. (3) (General Education/Multicultural Studies)** Examination of major psychological issues encountered by women entering the workforce, including career choice, combining work and family life, leadership, and inequities. *Not open to students with credit in WS 357. Prerequisite: PSY 100.*

**360 Research Practicum. (1, repeatable to 2)** The course involves a research apprenticeship under the direction of a faculty member wherein the student will be involved in assisting faculty in conducting research and other relevant research activities. *Prerequisites: 9 s.h. of Psychology courses and a written contract with the student's research supervisor.*

**380 Clinical Psychology. (3)** A review of traditional and contemporary developments in clinical psychology with emphasis on recent developments in community mental health, nonbehavioral psychotherapy, group treatment, and clinical research. *Prerequisite: PSY 251 or permission of instructor.*

**422 Adolescent Development. (3)** A study of adolescence from the standpoints of growth and adjustment emphasizing the areas of physical, intellectual, social, and emotional development. *Prerequisite: PSY 100 and 221, or permission of instructor.*

**423 Psychology of Adulthood and Aging. (3)** A survey of the adult years from early adulthood to old age and the dying process. Emphasis will be placed on psychological theories and research related to aging and its implications. *Prerequisite: 9 s.h. in Psychology coursework, or graduate standing, or permission of instructor.*

**424 Psychopathology. (3)** This course examines the biopsychosocial aspects of psychopathology. Emphasis is placed on terminology, classification, sources, and empirically-based treatments (EBTs) associated with psychopathology. Students will understand pathological behavior patterns and apply knowledge of sources, symptoms, and EBTs. *Prerequisites: PSY 251 and junior or senior standing, or permission of instructor.*  
**IAI: PSY 905.**

**425 Psychology of Exceptional Children. (3)** A psychological approach to children above and below the normal range in learning and behavior

characteristics. Examines assessment techniques, methods of remediation or enhancement, and relevant federal and state legislation. *Prerequisite: PSY 221 or graduate standing, or permission of instructor.*

**427 Health Psychology. (3)** Examines how psychological theory and research have been used to study the behavioral, psychological, and social factors that affect physical health. Topics include how social scientists study coping with stress, pain, illness management, and prevention of unhealthy behaviors. *Prerequisites: PSY 251 and 223, or permission of instructor.*

**430 History and Systems of Psychology. (3)** A study of the important historical and contemporary schools of Psychology. The systems of Psychology are presented in an historical setting leading to an evaluation of trends in Psychology. *Prerequisite: PSY 323 or permission of instructor.*

**433 (Cross-listed with WS 433) Psychology of Gender. (3)** Examines the psychological, social, and biological bases for societal-defined sex roles. The knowledge of these factors will assist students in recognizing and understanding the influence of gender on human experiences (i.e., behaviors, cognitions, emotions, physiology) and relationships. *Not open to students with credit in WS 433. Prerequisite: 9 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

**434 Substance Abuse Treatment Approaches and Techniques I. (3)** This course is designed to provide an introduction to basic therapy and counseling skills that are utilized in the treatment of substance abuse, as well as current brief therapy approaches. *Prerequisite: PSY 334.*

**442 Principles of Behavior Modification. (3)** An application of learning principles to modification of human behavior emphasizing operant and respondent principles. Topics include autistic behavior, academic learning, rehabilitation, token economies. *Prerequisite: 9 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

**443 Principles of Neuroscience with Laboratory. (4)** A study of the nervous system from a multidisciplinary perspective. This perspective emphasizes physiological, genetic, neurochemical, and psychological explanations of nervous system function. This class will include a 3-hour lecture component and a two-hour lab. *Prerequisites: PSY 343; BIOL 330 or BIOL 340, or ZOOL 430, or CHEM 330, or CHEM 221, or KIN 270, or permission of instructor.*

**444 Biopsychology of Drugs and Addiction. (3)** A systematic study of the relationships between drugs and psychological processes (i.e., psychopharmacology) with emphasis on the roles of the central nervous system, individual experience, and the environment in determining the outcome of drug use. *Prerequisite: PSY 343 or ZOOL 200 or HE 123 or HE 442, or permission of the instructor.*

**451 Personality. (3)** An advanced treatment of the major research concepts and theoretical formulations of personality emphasizing integration of personality with other areas such as learning and social psychology. *Prerequisites: PSY 251 and an additional 6 s.h. of Psychology*

# Psychology

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*coursework, or graduate standing, or permission of instructor.*

**452 Applied Social Psychology. (3)** Coverage of major research and theories in social psychology, with a focus on applying psychology in practice. Emphasis on how theories can be applied to social problems, e.g., reducing wrongful convictions, health risks, prejudice, discrimination, and social exclusion. *Prerequisite: PSY 250 or permission of instructor.*

**453 Psychology and Law. (3)** A comprehensive study of the interface between Psychology and the legal system. Topics covered include the insanity defense, eyewitness memory, child interview procedures, and suspect interrogations. *Prerequisite: 9 s.h. of Psychology coursework, or permission of instructor.*

**454 Psychological Tests and Measurements. (3)** A study of the basic concepts of measurement, commonly used tests in Psychology, and major findings concerning group and individual differences. *Prerequisite: PSY 323 or permission of instructor.*

**456 Cognitive Processes. (3)** A survey of topical areas related to complex thought processes including cognitive neuroscience, attention, knowledge, memory, problem solving, and language. *Prerequisites: BOT 200 or COMM 311 or LEJA 303 or PSY 323 or SOC 324 or SW 312 or ZOOL 200 and 9 s.h. of Psychology coursework, or permission of instructor.*

**457 Industrial/Organizational Psychology. (3)** Examines the theory and application of psychological principles to business and other organizational settings. Topics include employee selection and evaluation, work motivation, work attitudes, leadership, and organizational change. *Prerequisites: one course in Statistics and either HRM 353 or PSY 100, or permission of instructor.*

**460 Individual Research in Psychology. (1-4, repeatable to 4)** The student designs, carries out, and writes up a research project. Ordinarily, students enroll for two consecutive semesters of two hours credit each semester. *This offering is strongly recommended for students planning to do graduate work in Psychology. Prerequisites: open to majors in Psychology having a GPA of at least 3.00 in Psychology and a written contract with the student's research supervisor.*

**463 Individual Reading in Psychology. (1-2, repeatable to 3)** The student reads

extensively on some topic in Psychology, chosen in consultation with a Psychology instructor, and prepares a written report on the topic. Ordinarily, a student will register for 1 s.h. of credit. *Prerequisites: junior standing and a written contract with the student's reading supervisor.*

**487 Field Experience. (1-15, repeatable to 15)** Practicum course designed to provide supervised practical experiences in applied settings. Students actively participate in the service delivery systems of approved agencies and organizations. *Prerequisites: junior or senior Psychology major or Aging Studies minor, minimum GPA of 2.50 in Psychology or Aging Studies coursework, and consent of field experience instructor. Concurrent registration in PSY 490 may be required. Graded S/U only.*

**488 (Cross-listed with FS 488) Fire-Related Human Behavior. (3)** Considers fire related behavior in general including fire detection, suppression action, and evacuation behavior. Also considers fire-setting behavior, fire-prevention education, and eyewitness processes. *Not open to students with credit in FS 488. Prerequisite: FS 210 or permission of instructor/chairperson.*

**490 Seminar. (1-3, repeatable to 12)** Instructors of the department may present a seminar on some topic of interest. Seminar descriptions are posted outside of the Psychology Department main office prior to registration periods. *Prerequisite: written permission of the instructor.*

**491 Honors Thesis in Psychology. (1-4, repeatable to 4)** The preparation by an Honors student of an undergraduate Psychology thesis under the direction of one or more members of the Psychology Department. Ordinarily, students enroll for two consecutive semesters, taking 3 s.h. in the first and 1 s.h. in the second. *Prerequisite: Honors major in Psychology with junior or senior standing.*

**492 Capstone Experience. (1)** Students will write a substantive paper that integrates empirical and/or theoretical material from at least two subdisciplines of Psychology. *Prerequisites: senior standing; PSY 323; permission of instructor. Graded S/U only.*

**499 Senior Comprehensive Exam. (0)** An exam which all Psychology majors must take during their senior year. Taking the exam will result in a grade of S. *Prerequisite: senior standing.*

# Race, Religion, Gender, and Multidisciplinary Studies

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**Interim Chairperson:** Dr. Betsy C. Perabo  
**Office:** Morgan Hall 232  
**Telephone:** (309) 298-2214  
**Email:** LAS@wiu.edu  
**Website:** [wiu.edu/las](http://wiu.edu/las)

## Program Offering and Locations

- Bachelor of Liberal Arts and Sciences: Macomb, Quad Cities
- Minor in African American Studies: Macomb
- Minor in Cannabis and Culture: Macomb, Online
- Minor in Religious Studies: Macomb, Online
- Minor in Women's Studies: Macomb, Online

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Baker-Sperry, Carr, Haynes, Perabo.

## Academic Advisors

Ellen Poulter (Macomb), Kenneth W. Wheeler II (Quad Cities)

## GradTrac

GradTrac is available to Liberal Arts and Science majors. See page 79 for information about GradTrac.

## Integrated Baccalaureate and Master's Degree Program

An integrated baccalaureate and master's degree program is available for the Bachelor of Liberal Arts and Sciences: Master of Liberal Arts and Sciences. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## Department Information

The Bachelor of Liberal Arts and Sciences is a multidisciplinary degree that embodies the spirit of a liberal arts education, emphasizing comparative critical thinking, communication, and a broad range of methodologies and applied skills. As is true of many degree programs in the Liberal Arts and Sciences, students pursuing a Bachelor of Liberal Arts and Sciences are not specifically trained for a particular vocation or career path. Instead, graduates of the program bring the integration of multiple disciplinary perspectives, combined with critical thinking, problem-solving, and communication skills, to a variety of careers that value adaptability, flexibility, and innovation. Rather than training for a specific career, this degree offers a comprehensive and rigorous intellectual foundation for a lifetime of learning, preparing individuals to adapt to many different academic, personal, and professional paths.

In addition to the introductory and capstone courses, the degree includes two possible options. The first option, African American Studies, enhances students'

# Race, Religion, Gender, and Multidisciplinary Studies

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abilities to reexamine traditional paradigms of knowledge in the humanities and social sciences, and develop the necessary skills and methodologies to understand the culture patterns, knowledge, and behaviors that are not commonly represented in a Eurocentric education. The second option, Paired Minors, requires students to complete two approved minors as their multidisciplinary major. Both options offer students the opportunity to complete an internship as part of the major.

## Degree Program

### Bachelor of Liberal Arts and Sciences

All students seeking the Bachelor of Liberal Arts and Sciences must complete I, II, and III.A or III.B below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education and College of Arts and Sciences Bachelor of Liberal Arts and Sciences Requirements (p. 87) .....	57 s.h.
II.	Core Courses..... LAS 195, 395, 495†, 498 (3 s.h.)	12 s.h.
III.	Options of Study (select A or B)..... A. African American Studies 1. Special Course: AAS 100..... 2. Directed Electives (select from AAS courses) .....	51 s.h. 3 s.h. 30 s.h.
	3. Open Electives..... 4. Any Approved Minor .....	2 s.h. 16 s.h.
	B. Paired Minors 1. Paired Minors .....	32 s.h.
	Choose any two minors from within the College of Arts and Sciences (which includes CAS-centered interdisciplinary minors listed below). No more than two courses or 6 s.h. may be shared across selected minors. One Writing Instruction in the Disciplines (WID) course (in addition to LAS 495) must be taken from either of the departments offering the selected minors, or ENG 380† or ENG 381†. Any two College of Arts and Sciences minors may be paired. The current list of available minors includes:	
	a. <i>Minors in the Humanities</i> : Creative Writing; English; Film; French; History; Philosophy; Professional Writing; Religious Studies; Spanish	
	b. <i>Minors in the Natural Sciences/Mathematics</i> : Botany; Chemistry; Forensic Chemistry; Forensic Science; Geology; Mathematics; Microbiology; Neuroscience; Physics; Weather and Climate; Zoology	
	c. <i>Minors in the Social Sciences</i> : Anthropology; Economics; Forensic Psychology; Geography; Global Politics; Political Science; Psychology; Public Administration and Public Service; Sociology	
	d. <i>Interdisciplinary Minors in CAS or housed primarily in CAS</i> : African American Studies; Aging Studies; Environmental Studies; Geographic Information Systems; International Studies; Law and Society; Women's Studies	
	2. Open Electives..... 3. Any Approved Minor .....	3 s.h. 16 s.h.

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- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- † LAS 495 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the African American Studies option. LAS 495 and one of ENG 380, ENG 381, or other approved WID course from either of the departments offering the selected minors fulfill the WID graduation requirement for the Paired Minors option.

## Minors

### Minor in African American Studies ..... 18 s.h.

1. AAS 100 ..... 3 s.h.
2. Select one of the following: AAS 251, 281, or 282 ..... 3 s.h.
3. AAS Electives ..... 12 s.h.

**Note:** 6 s.h. must be chosen from 300- and 400-level courses.

### Minor in Cannabis and Culture ..... 18 s.h.

See Interdisciplinary Minors (p. 255).

### Minor in Religious Studies ..... 18 s.h.

1. REL 110, 111 ..... 6 s.h.
2. Complete any four Religious Studies courses (3 of which must be at the 300 or 400 level) ..... 12 s.h.

### Minor in Women's Studies ..... 18 s.h.

1. WS 190 ..... 3 s.h.
2. WS 355 ..... 3 s.h.
3. WS Electives ..... 12 s.h.

## Course Descriptions

### AFRICAN AMERICAN STUDIES (AAS)

#### 100 Introduction to African American Studies. (3) (General Education/Multicultural Studies)

A survey of the history of Black people including the "Cradle of Civilization," the ancient empires of West Africa, the slave trade, and the Caribbean. It also includes African and African American literature, art, and music.

#### 145 Famous People of African Descent. (3) (General Education/Multicultural Studies)

A study of the lives and works of famous people of African descent throughout the world with particular emphasis on African Americans.

#### 251 Social Problems in Black America. (3)

A sociological investigation of such problems as crime and delinquency, racism, mental illness, drug use, alcoholism, and poverty. *Prerequisite: sophomore standing or consent of instructor.*

#### 255 Migration and Urbanization of African Americans. (3)

An introduction to migration patterns of free African Americans from 1865 to the present, with special emphasis on "push and pull" factors, geographical location, residential and school segregation, and physical and social mobility.

**260 African American Music Survey.** (3) A survey of the styles and figureheads of the African American music legacy. A historical approach beginning with the Trans-Atlantic slave trade through African American musical history. Genres will range from slave work songs to contemporary music of Black America. *Prerequisite: AAS 100 or permission of the instructor.*

**262 African Americans and Hip Hop as Cultural Phenomenon.** (3) An examination of the distinct elements of the hip hop phenomenon and its cultural influence on a global society. *Prerequisite: AAS 260 or consent of the instructor.*

**270 Blacks and the Law.** (3) This course familiarizes students with primary source materials including, but not limited to, case law and biographies. The course critically examines the assumptions about the Black struggle and the role of the law, demonstrating the gap between the promise and the practice of the U.S. Constitution.

**281 Literature of the Black World.** (3) (General Education/Humanities or Multicultural Studies) A comparative presentation of literary works by African, Caribbean, and African American writers.

**282 African American Theatre.** (3) (General Education/Fine Arts or Multicultural Studies)

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A survey of the African American contributions to the American stage from 1760 to the present, with an examination of representative works by various African American playwrights.

**283 African American Folklore. (3) (General Education/Humanities or Multicultural Studies)** A study of the relationship between African and Diaspora folktales, folk beliefs, and customs. Identification of parallel folktales, symbols, and social practices. An interdisciplinary approach to the study of this folklore.

**290 Black Popular Culture. (3)** The African roots of Black people and their contributions to American culture, emphasizing African American culture, artistic expression, identity, and contemporary Black popular culture.

**302 Black Intellectual Traditions. (3)** An examination of the dimensions of Black intellectual traditions and movements that have developed in the modern world. *Prerequisite: AAS 100, or junior standing, or consent of instructor.*

**304 African Americans in the Age of Obama. (3)** An examination of the trajectory of President Barack Obama's life and his impact on the status of African Americans. *Prerequisite: AAS 100 or consent of instructor.*

**310 (Cross-listed with WS 310) Black Women in the United States. (3)** A sociological analysis of the various social roles of Black women, including those of gender, education, occupations, and marriage and family, with some attention given to contributions and achievements. *Not open to students with credit in WS 310.*

**311 (Cross-listed with POLS 311) Race and Ethnicity in American Politics. (3)** This course examines how racial and ethnic minority groups shape, and are shaped by, American politics and society. It focuses primarily on the politics of specific racial and ethnic minority groups in the United States. *Not open to students with credit in POLS 311. Prerequisite: POLS 122 or permission of instructor.*

**312 Black Men in the U.S. (3)** Examination of cultural, economic, political, and social factors impacting the experience of African American males in the United States. Topics may include Black male/female relationships, sexuality, self-determination, criminal justice system, family unit, community, and media representations. *Prerequisite: AAS 100, or AAS 251, or consent of instructor.*

**314 (Cross-listed with HIST 314) African American History. (3) (General Education/Multicultural Studies)** A survey of African American history and culture. *Not open to students with credit for HIST 314. Prerequisite: HIST 106 or AAS 100 or consent of instructor.*

**316 African Americans and Sport in the United States. (3)** An examination of how organized athletics have served as symbolic sites of protest, power, and inclusion for African Americans and other minorities in the nineteenth, twentieth, and twenty-first centuries. *Prerequisite: AAS 100 or consent of instructor.*

**317 Black Greek-Lettered Organizations. (3)** An examination of the role and mission of historical existence, culture, and contemporary issues facing Black Greek-lettered organizations

in the United States. *Prerequisite: AAS 100 or consent of instructor.*

**325 The Black Family. (3)** An analysis of structures and functions of Black family life in the United States, with emphasis on adaptive features. Some attention is also given to the African and Caribbean family.

**327 (Cross-listed with POLS 327) African Politics. (3)** This course examines the nature of institutions and political rule in Africa before and after independence. Key topics include the colonial inheritance, ethnicity and social characteristics of African societies, and the nature and role of political institutions. *Not open to students with credit in POLS 327. Prerequisite: POLS 267 or permission of instructor.*

**336 (Cross-listed with WS 336) Womanist Theory & Perspectives. (3)** Introduction to African and African American women's perspective, to enhance interest and understanding of the existing wide range of feminist scholarship in the U.S., and other feminine discourses pertaining to activism/contributions of Black women in Africa, the U.S., the Caribbean, and Europe. *Not open to students with credit for WS 336. Prerequisite: AAS 100 or AAS 145 or AAS/WS 310 or WS 190 or permission of instructor.*

**345 (Formerly AAS/ENG 245) (Cross-listed with ENG 345) Survey of African American Literature. (3) (General Education/Multicultural Studies)** A literary and cultural introduction to the study of African American writers, organized chronologically, but with special emphasis on the twentieth century. *Not open to students with credit in ENG 345. Prerequisite: ENG 280.*

**346 (Cross-listed with ENG 346) African American Fiction. (3)** A survey of selected African American short stories and novels from the beginning to the present, from Brown, Johnson, and Toomer to Ellison, Baldwin, Morrison, and beyond. *Not open to students with credit in ENG 346. Prerequisite: AAS/ENG 345, or ENG 299 with a grade of C or better, or consent of instructor.*

**349 (Cross-listed with HIST 349) Africa since 1800. (3) (General Education/Multicultural Studies)** A study of major themes from 1800 to the present from an African perspective: slave trade and its abolition, European colonialism, independence movements, and problems of independence. *Not open to students with credit in HIST 349. Prerequisite: HIST 116 or consent of instructor.*

**354 (Cross-listed with ENG 354) African Americans in American Film. (3)** Analysis of the representation of African Americans in American films as a way to consider how imagery affects society's attitudes about race. Films from early 20th century depictions of mammys to the 1990s hip-hop sagas will be examined. *Not open to students with credit in ENG 354. Prerequisite: AAS 100 or consent of instructor.*

**360 African American Communities. (3)** A study of development, demographic characteristics, social institutions, social stratification, and rural-urban differences of Black communities in the U.S. *Prerequisite: sophomore standing or consent of instructor.*

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**370 African American Interest Groups and Organizations.** (3) An examination of African American interest groups organized around themes important to the African American community, analyzing the techniques and strategies used to shape U.S. policies and laws. *Prerequisite: AAS 100 or consent of the instructor.*

**380 Media and the Black Experience.** (3) A survey of the Black experience in the media, radio, television, cinema, and advertising. The course shall examine the roles of media in the Black struggle for equality in class, race, and gendered society. Emphasis may vary by semester. *Prerequisite: AAS 100 or BC&J 350 or BC&J 352, or the consent of the instructor.*

**381 Modern African Literature.** (3) A survey of African literature, both oral and written. This course will focus attention on the social, cultural, and political movements of modern Africa as presented in its literature.

**384 African Americans and the Fine Arts.** (3) An interdisciplinary survey of the history and evolution of African American creative expression in the fine arts. Images, symbols, styles, techniques/content will be examined as well as the influence of social, political, and religious structures on the works of representative artists. *Prerequisite: junior or senior standing or consent of the instructor.*

**397 (Cross-listed with ARTH 397) African Americans in Art.** (3) The study of African Americans in art and visual culture from 1619 to the present. This course examines images of African Americans within a social, historical context as a way to understand evolving American perceptions about race, class, and gender. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit for ARTH 397. Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.*

**400 Social and Political Thought of Black Americans.** (3) An analysis and critique of ideologies relating to the achievement of full citizenship of Black Americans with emphases on: abolition, emigration, assimilation, nationalism, and Pan-Africanism. *Prerequisite: junior standing or consent of instructor.*

**401 (Cross-listed with WS 401) African American Women and Dance.** (3) Black women in modern dance, 1930s to the present, including relationships between the lived experience of African American women and their contributions to U.S. performance culture. Choreographers and dancers whose works have changed contemporary movement will be explored. *Not open to students with credit in WS 401. Prerequisite: WS 190 or permission of instructor.*

**402 (Cross-listed with HIST 402) The Civil Rights Movement.** (3) An intensive study of the history of the African American civil rights movement concentrating on the post-WWII era. The course also examines the contested historical memory over the long black freedom struggle. *Not open to students with credit for HIST 402. Prerequisites: at least junior standing and either HIST 106 or AAS 100; or consent of instructor. Directed Elective Area I.*

**420 (Cross-listed with SOC 420 and WS 420) Race, Class, and Gender.** (3) The course will examine issues of race, class, and gender in

historical, cultural, and contemporary societal contexts. *Not open to students with credit in SOC 420 or WS 420. Prerequisite: AAS 100, or SOC 100, or WS 190; or permission of instructor.*

**425 African Americans, Corporate America, and Diversity.** (3) An examination of racial and gender discrimination in American corporations. It explores the origins of Black businesses, Black independent self-help enterprises, and the agency of African Americans forging their own economic liberations through business activities and entrepreneurship. *Prerequisite: AAS 100 or consent of instructor.*

**445 Critical Issues in the Education of African Americans.** (3) Study of African Americans' historical and contemporary struggles for educational access, equity, and excellence. Special emphasis given to the achievement gap, standardized testing, dropout/retention rates, and alternatives to the sponsored curriculum such as Afrocentric education and culturally relevant pedagogy. *Prerequisite: AAS 100 or instructor's consent.*

**446 Historically Black Colleges and Universities and Desegregation.** (3) An examination of the evolution and growth of Historically Black Colleges and Universities (HBCU) and desegregation in the United States. *Prerequisite: AAS 302 or 445 or consent of instructor.*

**463 Honors Thesis in African American Studies.** (3) Students will write original scholarly research/academic findings in the AAS discipline, under faculty supervision. Thesis will follow completed fieldwork (AAS 363) of academic research, data collection (interviews, library work, oral history, observation) and relevant scholarly traditions of the discipline. *Prerequisite: AAS 363(H).*

**466 (Cross-listed with GEOG 466—Africa) Geography of Africa.** (3, repeatable to 9 for different regional subtitles) **(Global Issues)** Analysis of the physical and cultural geography of Africa. *Not open to students with credit for GEOG 466—Africa. Individuals who receive credit for AAS 466—Africa may take 6 s.h. maximum of GEOG 466 if the regional subtitles are different. Prerequisite: two courses in Geography or consent of instructor.*

**488 Black Speech and Language Communication.** (3) Course covers historical and contemporary development and practice of Black communication behaviors. Pre-diasporan influences on Black communication styles, the role of oral communication during slavery, and issues such as the ongoing contentious debates about the use of Ebonics will be explored. *Prerequisites: AAS 100 and junior standing, or permission of instructor.*

**490 Independent Study.** (2–4, repeatable to 4) Individual study of a particular topic in the field of African American Studies.

**491 Seminar in African American Studies.** (1–6, repeatable to 6) Topics will vary from semester to semester, and will be announced prior to registration. *Prerequisites: AAS 100 and junior standing, or consent of instructor.*

**494 (Cross-listed with REL 494) Religion in African American Culture.** (3) This course acquaints students with religiosity and spirituality among African Americans and

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provides understanding of a world view, via concepts of nature, God, and human interaction, that reflects African cultural retentions in the U.S. *Not open to students with credit for REL 494. Prerequisites: AAS 100 and junior standing, or one 100- or 200-level Religious Studies course, or permission of instructor.*

**498 Individual Study. (1-3, repeatable to 3)** Individual study of an approved research topic. *Prerequisite: junior or senior standing or consent of the instructor.*

**499 Internship in AAS. (1-12, repeatable to 12)** Supervised work assignments in applied occupational area involving specific projects in areas related to African American Studies. A maximum of 6 s.h. may be counted toward the African American Studies major. *Prerequisites: permission of department chair; junior or senior standing; minimum 2.0 GPA.*

## ARTS AND SCIENCES (A&S)

### 196 Introduction to Research Methods.

(0) An introduction to methodologies to plan and execute a research project with emphasis on data collection, analysis, and presentation. *Prerequisite: permission of instructor. Graded S/U only.*

## LIBERAL ARTS AND SCIENCES (LAS)

**195 Introduction to Liberal Arts and Sciences. (3) (General Education/Multicultural Studies)** A comparative introduction to the major areas of the liberal arts and sciences, covering their evolution and distinctive approaches to problems. Addresses how the study of race, gender, religion, and multiculturalism informs and is embedded within each field.

**210 Engaging Multiculturalism. (3) (General Education/Multicultural Studies)** An interdisciplinary study of cultural identities, values, and interaction of diverse groups. Among the concepts explored will be race, ethnicity, gender, religion, class, sexual orientation, ableism, and age.

**298 Individual Studies. (1-3)** Special projects in interdisciplinary studies carried out under the supervision of a faculty member.

**395 Evidence, Truth, and Action. (3)** An interdisciplinary course that integrates humanities and social scientific methods for evaluating evidence, identifying and exposing misinformation, and interpreting claims of truth. Includes vocational assessment, professionalization, and connection of research strategies to action. *Prerequisite: LAS 195 with a grade of C or better, or consent of instructor.*

**420 Senior Seminar in Cannabis and Culture. (3, repeatable to 6 for different topics)** Examination of various issues related to cannabis, culture, history, and politics. See course schedule for description. *Prerequisite: ANTH 180 or REL 180 or permission of instructor.*

**495 Liberal Arts and Sciences Senior Capstone. (3)** Capstone course for the Bachelor of Liberal Arts and Sciences degree. Students will study examples of scholarship from a multidisciplinary perspective, research and present an interdisciplinary solution to a

significant problem, and prepare a self-reflective academic personal narrative. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LAS 195, ENG 280, senior standing, and permission of the director of the Liberal Arts and Sciences program.*

**496 Internship. (1-6, repeatable to 6)** An internship provides LAS majors the opportunity to gain practical experience and apply their interdisciplinary skills and training through observation and interaction in a professional environment connected to their career interests. *Prerequisites: LAS major, junior or senior standing, and permission of the program director. Graded S/U.*

**498 Individual Studies and Experiential Learning. (1-3)** Special projects in interdisciplinary studies or experiential learning carried out under the supervision of a faculty member.

## RELIGIOUS STUDIES (REL)

**(Introductory Courses—Any introductory course may be taken as a first course in Religious Studies.)**

**101 Religion and Popular Culture. (3) (General Education/Humanities)** An examination of religious and spiritual themes as they manifest in popular culture, including film, literature, Internet, television, arts, music, news media, etc. *IAI: H5 900.*

**107 The Bible. (3) (General Education/Humanities)** An examination of the Hebrew Bible (Old Testament) and New Testament scriptures which shaped the intellectual and cultural history of Western civilization with emphasis on cultural, social, and historical factors leading to the birth of Judaism and Christianity. *IAI: H5 901.*

**110 Introduction to Eastern Religions. (3) (General Education/Humanities or Multicultural Studies) (Global Issues)** A comparative introduction to the religions of Asia—Hinduism and Buddhism—with attention to historical development, scriptures, beliefs, practices, and diverse cultural expressions.

**111 Introduction to Western Religions. (3) (General Education/Humanities or Multicultural Studies) (Global Issues)** A comparative introduction to the “religions of Abraham”—Judaism, Christianity, and Islam—with attention to historical development, scriptures, beliefs, practices, and diverse cultural expressions.

### (World Religions)

**350 Hinduism. (3) (Global Issues)** A study of the Hindu religious tradition covering its historical development, basic beliefs, practices, social structure, and philosophical world view, emphasizing the relation between this religion and society in both India and America. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**355 Buddhism. (3) (Global Issues)** A study of the Buddhist religious tradition covering its historical development, basic beliefs, and practices, emphasizing the relation between this religion and society in the East and in America.

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*Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**360 Christianity.** (3) Examines Christian scriptures, beliefs, and rituals from both historical and contemporary perspectives, with coverage of Christianity in different places around the world. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**365 Islam.** (3) **(General Education/Multicultural Studies) (Global Issues)** A study of the Islamic religious tradition covering its historical development, basic beliefs, and practices, emphasizing the relation between this religion and society in the Near East and in America. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**370 Judaism.** (3) An examination of the religion and history of the Jewish people including the relations of Judaism to Christianity and Islam and the causes of anti-Semitism. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

## **(Religion and Culture)**

**180 Religion and Drugs.** (3) An examination of religious drug use, in historical and modern context. The use of entheogens (psychoactive substances used for religious purposes) in the major world religions, as well as their use in indigenous cultures and smaller religious traditions, are considered.

**225 (Cross-listed with ANTH 225) (Formerly REL 457) Myth and Ritual.** (3) **(General Education/Multicultural Studies)** An introduction to the anthropological study of myth and ritual systems and their importance in religious development and anthropological thought. The course focuses on a cross-cultural comparison of myth and its relationship to ritual. *Not open to students with credit in ANTH 225.*

**301 Religion in America.** (3) An examination of the diversity of religion and religions in the United States with attention to the variety of religious traditions and expressions and to the histories and themes that have shaped the distinctive tapestry of American religious life. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**303 (Cross-listed with WS 303) Women in Religion.** (3) **(General Education/Multicultural Studies)** A cross-cultural, comparative, interdisciplinary investigation of the presence of women in shaping the religious cultures of the world. *Not open to students with credit in WS 303. Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**324 (Cross-listed with ANTH 324) Religion, Magic, and Shamanism.** (3) **(Global Issues)** Survey of cross-cultural perspectives on beliefs and practices dealing with the supernatural, magic, and religion. The functions and social positions of spiritual leaders from different cultures are explored. *Not open to students with credit in ANTH 324. Prerequisite: ANTH 110 or consent of instructor.*

**454 Contemporary Spiritual Movements.** (3) An exploration of contemporary spiritual movements with special emphasis on the relationship between cultural change and the emergence of new religious movements.

*Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**456 Religion and War.** (3) **(Global Issues)**

An examination of religious perspectives on the legitimacy of war, the conduct of war, and participation in or support for the military.

*Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**492 (Cross-listed with ENG 492) Religion, Literature, and Film.** (3) **(Global Issues)** Study of multicultural literary and cinematic texts engaging a wide range of religious traditions.

*Not open to students with credit for ENG 492.*

*Prerequisite: ENG 299 with a grade of C or better, or one 100- or 200-level Religious Studies or Philosophy course, or consent of instructor.*

**494 (Cross-listed with AAS 494) Religion in African American Culture.** (3) This course acquaints students with religiosity and spirituality among African Americans and provides understanding of a world view, via concepts of nature, God, and human interaction, that reflects African cultural retentions in the U.S. *Not open to students with credit for AAS 494.*

*Prerequisites: AAS 100 and junior standing, or one 100- or 200-level Religious Studies course, or permission of instructor.*

## **(Religious Thought)**

**300 Religion, Ethics, and Law.** (3) This course discusses the ways in which religions develop and sustain ethical traditions and how adherents of different faiths have worked to create or challenge laws based on those traditions. Topics include issues such as marriage, sexuality, war, and economics. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**380 Jesus.** (3) A study of Jesus as pictured in the Gospels, history, and culture. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**405 Philosophy of Religion.** (3) A critical examination of the philosophical issues arising from religious beliefs, utilizing historical and contemporary writings. Topics may include the existence of God, evil, faith, religious pluralism, and the relation between religious beliefs and ethics. *Not open to students with credit in PHIL 405. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

**452 Theology.** (3) Introduction to theological thought and a selection of thinkers who have shaped Christian, Jewish, and/or Muslim religious imagination. Such figures might include Paul, Augustine, Aquinas, Maimonides, Luther, Teresa of Avila, Abraham Heschel, Simone Weil, al-Ghazali, or Rabia (among others). *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

**460 The Bible and Current Issues.** (3)

Examines how Christians and Jews interpret the Bible in their reflections and debates about current issues. Possible topics may include (among others) gender norms, same-sex relationships, interreligious understanding, evolution, ecological concerns, apocalyptic thinking, and the nature of scriptural authority.

*Prerequisites: one 100- or 200-level Religious Studies course or consent of instructor.*

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## (Specialized Research)

### **312 Writing in Religious Studies. (1)**

Instruction and practice in writing a 20 page research paper within the field of Religious Studies. *Writing Instruction in the Disciplines (WID)* course. Prerequisite: ENG 280. Corequisite: one 300- or 400-level Religious Studies course taught by Religious Studies faculty.

### **490 Capstone Project. (3)**

Selection of research project, preparation of bibliography, description of methodology, writing of senior thesis, oral defense, and participation in career-related seminars. Prerequisites: senior standing and REL 312.

### **499 Directed Readings. (1–3, repeatable with no maximum for different topics)**

Individual study of particular religious traditions, ideas, or problems. Prerequisites: two courses in Religious Studies and consent of the instructor. By arrangement.

## WOMEN'S STUDIES (WS)

### **190 Introduction to Women's Studies. (3) (General Education/Multicultural Studies)**

An exploration of women's roles and their status in society with insights gained from various disciplines including History, Sociology, Psychology, and Literature.

### **220 (Cross-listed with PHIL 220) Feminism and Ethics. (3) (General Education/Multicultural Studies)**

A multicultural and comparative investigation of feminist issues in ethics and women's contributions to moral theory. Not open to students with credit in PHIL 220.

### **265 Women and Creativity. (3) (General Education/Humanities)**

This course explores some of the ways that women represent female experiences through creativity. Primary emphasis is on their contributions as producers and creators of various artistic forms. Prerequisite: WS 190 or permission of instructor.

### **270 Hispanic Women. (3) (General Education/Humanities)**

Emphasizing Hispanic women's cultural production and activism, this course considers the diversity of perspectives and experiences of Hispanic women from a range of cultural and geographical backgrounds. Globally, Hispanic language, heritage, and culture constitute an important intersecting factor of identity.

### **280 Lesbianism and Gender Identity. (3) (General Education/Humanities)**

Using political and historical narratives of same-sex desiring women and women of other queer identities, this course will consider the diversity of perspectives, realities, and activism of these women as informed by their culture, race, class, and disability.

### **285 (Cross-listed with SOC 285) Women: A Global Perspective. (3) (General Education/Social Sciences or Multicultural Studies)**

(Global Issues) This course emphasizes the voices of women across the globe from an interdisciplinary perspective. Special attention will be paid to women's activism, the transnational feminist movement, and an examination of the category "woman" in the global context. Not open to students with credit in SOC 285. Prerequisite: WS 190 or SOC 100.

**301 (Cross-listed with ENG 301) Women and Literature. (3) (General Education/Multicultural Studies)** The study of literature as an art practiced by women, with an examination of portrayals of women in literature. Not open to students with credit in ENG 301.  
*IAI: H3 911D.*

**303 (Cross-listed with REL 303) Women in Religion. (3) (General Education/Multicultural Studies)** A cross-cultural, comparative, interdisciplinary investigation of the presence of women in shaping the religious cultures of the world. Not open to students with credit in REL 303. Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.

**307 (Cross-listed with ENG 307) Issues for Women Writing. (3, repeatable to 6 for different topics)** Reading, discussion, and writing focused on a particular social, cultural, or personal issue related to how and what women write. Not open to students with credit in ENG 307. Prerequisite: ENG 299 or WS 190, or consent of instructor.

**310 (Cross-listed with AAS 310) Black Women in the United States. (3)** A sociological analysis of the various social roles of Black women, including those of gender, education, occupations, and marriage and family, with some attention given to contributions and achievements. Not open to students with credit in AAS 310.

**315 (Cross-listed with ANTH 315) Gender and Anthropology. (3)** Exploration of cross-cultural ethnographies of variations in gender roles in economic, religious, and political domains. This course also addresses gender identity and gender diversity issues. Not open to students with credit in ANTH 315. Prerequisite: ANTH 110 or consent of instructor.

**316 (Cross-listed with COMM 315) Gender and Communication. (3)** This course examines gender and gender-role differences and similarities in verbal and nonverbal communication and surveys several contexts in which sex differences in human communication occur. Not open to students with credit in COMM 315. Prerequisite: COMM 130.

**317 (Cross-listed with HIST 317) Women in American History. (3) (General Education/Multicultural Studies)** A multicultural and historical survey of women in the United States, from 1500 to the present. Not open to students with credit in HIST 317. Prerequisite: HIST 105 or 106, or consent of instructor.

**318 (Cross-listed with HIST 318) Women and Gender in European History. (3) (General Education/Multicultural Studies) (Global Issues)** A study of women and gender in Europe, from antiquity to the present, focusing on changes in culture, society, the economy, and politics. Not open to students with credit in HIST 318. Prerequisite: HIST 115 or 116, or consent of instructor.

**321 (Cross-listed with HE 321) Women's Health. (3)** Provides information about how women can improve their chances of achieving and maintaining high-level wellness. Among the topics included are: prevention, early detection and treatment of health problems commonly occurring among women, contraception,

# Race, Religion, Gender, and Multidisciplinary Studies

pregnancy and childbirth, using the medical care system, and mental health. Open to male and female students. *Not open to students with credit in HE 321. Prerequisite: junior standing.*

**330 (Cross-listed with ANTH 330) Sex and Gender in Archaeology. (3)** The study of sex, gender, and power in archaeological investigations and theory, including cross-cultural comparison of gender and social differentiation in past societies. Changing perspectives on the roles of females in human evolution and prehistory are emphasized. *Not open to students with credit in ANTH 330. Prerequisite: ANTH 110 or 111 or WS 190, or consent of instructor.*

**335 (Cross-listed with POLS 335) Women and Politics. (3) (General Education/Multicultural Studies)** An examination of the changing role of women in American politics. Focus on women as participants in politics, public policies of concern to women, and feminist theories of political change. *Not open to students with credit in POLS 335. Prerequisite: POLS 101 or 122, or permission of instructor.*

**336 (Cross-listed with AAS 336) Womanist Theory & Perspectives. (3)** Introduction to African and African American women's perspective, to enhance interest and understanding of the existing wide range of feminist scholarship in the U.S., and other feminine discourses pertaining to activism/contributions of Black women in Africa, the U.S., the Caribbean, and Europe. *Not open to students with credit for AAS 336. Prerequisite: AAS 100 or AAS 145 or AAS/WS 310 or WS 190 or permission of instructor.*

**342 (Cross-listed with HIST 342) Women and Gender in Asian History. (3) (General Education/Multicultural Studies)** A study of women and gender in Asia from ancient times to the present, with an emphasis on social, political, economic, and cultural aspects of their lives. *Not open to students with credit for HIST 342. Prerequisite: HIST 116 or consent of instructor.*

**355 Introduction to Feminist Theory. (3)** A study of the theoretical foundations of modern feminist theory. Writings of early feminists such as Sara Grimke, Mary Wollstonecraft, Harriet Taylor, Sojourner Truth, Anna Julia Cooper, and Elizabeth Cady Stanton are explored for their impact on the development of feminist thought. *BGS online writing course. Prerequisite: WS 190 and one additional Women's Studies course, or permission of instructor.*

**357 (Cross-listed with PSY 357) Women and Work. (3) (General Education/Multicultural Studies)** Examination of major psychological issues encountered by women entering the workforce, including career choice, combining work and family life, leadership, and inequities. *Not open to students with credit in PSY 357. Prerequisite: PSY 100.*

**360 (Cross-listed with SOC 360) Gender and Society. (3) (General Education/Multicultural Studies)** This course provides a sociological examination of theories of gender, socio-historical gender patterns, gender and American social institutions, social structure and gender, and cross-cultural comparisons. *BGS online writing course. Not open to students with credit in SOC*

*360. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

**370 Women in Popular Culture. (3) (General Education/Multicultural Studies)** A sociocultural study of stereotypes of women as portrayed in American popular culture with a particular emphasis placed upon the images of women of color. *Prerequisite: WS 190.*

**391 Special Topics in Women's Studies. (1-3, repeatable to 6)** An in-depth investigation of special topics in the field of Women's Studies. *Prerequisites: WS 190 and permission of instructor.*

**395 (Cross-listed with ANTH 395) Gender, Race, and the Environment. (3) (General Education/Multicultural Studies)** Explores research, scholarship, and fictional ecofeminist works. Students will consider the influence of women, feminists, and ecofeminist writings on local and global environmental movements. *Not open to students with credit in ANTH 395. Prerequisite: ANTH 110 or WS 190 or consent of instructor.*

**401 (Cross-listed with AAS 401) African American Women and Dance. (3)** Black women in modern dance, 1930s to the present, including relationships between the lived experience of African American women and their contributions to U.S. performance culture. Choreographers and dancers whose works have changed contemporary movement will be explored. *Not open to students with credit in AAS 401. Prerequisite: WS 190 or permission of instructor.*

**405 Women's Spirituality. (3)** This course will examine some of the predominant themes in women's experience from a multicultural perspective as a means of understanding how women develop their spirituality. *Prerequisite: WS 190 or permission of instructor.*

**410 (Cross-listed with SOC 410) Women and Poverty. (3)** The poverty of women in the United States including factors of race, place of residence, and age are covered. Structural hierarchies that maintain poverty are examined from a sociological perspective. *Not open to students with credit in SOC 410. Prerequisite: WS 190 or SOC 100 or consent of instructor.*

**415 (Cross-listed with POLS 415) Politics of Reproduction. (3)** This course examines reproduction as an issue of public interest and considers how public and private interests can conflict regarding women's ability to control their reproduction. *Not open to students with credit in POLS 415. Prerequisite: WS 190 or permission of instructor.*

**420 (Cross-listed with AAS 420 and SOC 420) Race, Class, and Gender. (3)** The course will examine issues of race, class, and gender in historical, cultural, and contemporary societal contexts. *Not open to students with credit in AAS 420 or SOC 420. Prerequisite: WS 190, or AAS 100, or SOC 100; or permission of instructor.*

**430 (Cross-listed with SOC 430) Sociology of Women's Health. (3)** Uses sociological theories and research to examine the gendered experience of illness. Includes sociological analysis of medical knowledge about women's health. Topics include medicalization of women's health, the gendered hierarchy of professions, and feminist critiques of scientific research. *Not open to students with*

# Race, Religion, Gender, and Multidisciplinary Studies

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*credit in SOC 430. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

**433 (Cross-listed with PSY 433) Psychology of Gender.** (3) Examines the psychological, social, and biological bases for societal-defined sex roles. The knowledge of these factors will assist students in recognizing and understanding the influence of gender on human experiences (i.e., behaviors, cognitions, emotions, physiology) and relationships. *Not open to students with credit in PSY 433. Prerequisite: 9 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

**435 (Cross-listed with SOC 435) Women and Crime.** (3) Theories of female criminality, patterns of female crime and victimization, women in corrections, and women as criminal justice practitioners are examined. *Not open to students with credit in SOC 435. Prerequisite: SOC 100 or consent of instructor.*

**455 Feminist Theory & Practice.** (3) This course explores how contemporary feminist theory describes and explains women's realities, focusing specifically on the intersections of women's sexual diversity, race, and other identities. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280; WS 355 or permission of instructor.*

**470 (Cross-listed with KIN 470) Gender and Sport.** (3) Examines relationships between gender, sport, and physical activity. Gender is examined within the context of stereotypes and the structure/philosophy of sport and physical activity. Sport and physical activity are investigated as social institutions relative

to cultural constructions of gender. *Not open to students with credit in KIN 470. Prerequisite: WS 190 or permission of instructor.*

**480 (Cross-listed with FL 480) Sexuality in German and Austrian Culture.** (3) Examines the representation of sexuality in film, literature, and non-fiction of German-speaking countries in the twentieth and twenty-first centuries. *Not open to students with credit for FL 480. Prerequisite: QS 100 or junior standing.*

**491 Women's Studies Honors Thesis.** (1-4, repeatable to 4) An independent study project or paper to be supervised by two members of the faculty in Women's Studies. *Prerequisite: enrollment in the Honors Program; senior status.*

**494 (Cross-listed with BC&J 494 and ENG 494) Women and Film/Television.** (3) An overview of women in film and television that considers the on-screen images of women as well as the positions of women working behind the scenes (with laboratory). *Not open to students with credit for BC&J 494 or ENG 494. Prerequisites: ENG 180 and 280.*

**497 Independent Study in Women's Studies.** (1-3, repeatable to 6) Individual readings and/or research on a topic within Women's Studies. *Prerequisites: WS 355 and permission of department chair.*

**499 Internship in Women's Studies.** (1-9, repeatable to 9) Supervised work in an applied occupational area related to women. *Prerequisites: junior or senior status and permission of department chair.*

# **Recreation, Park, Tourism, and Hospitality**

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**Chairperson:** Dr. Michael D. Lukkarinen

**Office:** Knoblauch Hall 140

**Telephone:** (309) 298-1967

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**Email:** [rpth@wiu.edu](mailto:rpth@wiu.edu)

**Website:** [wiu.edu/rpth](http://wiu.edu/rpth)

## **Program Offerings and Locations**

- Bachelor of Science in Recreation, Park and Tourism Administration: Macomb, Quad Cities (RPTA and Community Organizations options only)
- Minor in Event Planning and Management: Macomb, Quad Cities
- Minor in Horticulture: Macomb
- Minor in Hospitality Management: Macomb
- Minor in Nonprofit Administration: Macomb, Quad Cities
- Minor in Outdoor Leadership: Macomb
- Minor in Recreation, Park and Tourism Administration: Macomb, Quad Cities, Online
- Minor in Therapeutic Recreation: Macomb
- Minor in Youth Leadership: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Broughton, Cassady, Choi, Clemens, Doh, Eggleston, Lukkarinen, McLean, Owens, Piletic, Porter, Robinett.

## **Advisor**

Konitzer.

## **GradTrac**

GradTrac is available to Recreation, Park and Tourism Administration majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Integrated Baccalaureate and Master's Degree Programs**

Three integrated baccalaureate and master's degree programs are available for the Bachelor of Science in Recreation, Park and Tourism Administration: Master of Science in Recreation, Park and Tourism Administration, Master of Arts in Museum Studies, and Master of Science in Sport Management. An integrated degree program provides

## **Recreation, Park, Tourism, and Hospitality**

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the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

### **Department Information**

In a world characterized by new technology and rapidly changing human needs, leisure is increasingly recognized for its contribution to a fulfilling life. Leisure is commonly recognized as arts, recreation, entertainment, health and fitness, hospitality, outdoor activities, sport, travel, and tourism. Leisure services are provided through service agencies found in community, commercial, non-profit, and outdoor settings. Students are able to complete the B.S. in Recreation, Park and Tourism Administration on the Macomb campus; additionally, core courses and some electives are offered via livestream and asynchronous course delivery at the Quad Cities campus and beyond.

The Bachelor of Science in Recreation, Park and Tourism Administration has been accredited by the Council on Accreditation of Parks, Recreation, Tourism and Related Professions since 1978. In addition to certifications that can be earned through course work, students graduating from this program are immediately eligible to sit for the Certified Park and Recreation Professional exam, and students who successfully complete the prescribed courses are eligible to sit for the Certified Therapeutic Recreation Specialist examination.

Recent graduates are employed in the design, delivery, management, and evaluation of leisure services across a wide array of industries including:

- Adapted and Therapeutic Recreation
- Outdoor Recreation and Resource Management
- Community Recreation (Park districts, non-profits, youth and public recreation organizations)
- Tourism, Hospitality and Event Management

The B.S. in Recreation, Park and Tourism Administration curriculum allows students to develop leadership skills, problem-solving abilities, and critical thinking skills, and to engage in day-to-day activities associated with managing leisure service industries. Students are able to select among options (Adapted Recreation and Inclusion; Community Organizations; Outdoor Recreation; Recreation, Park and Tourism Administration; and Tourism, Hospitality and Event Management), minors, and electives to enhance their skill sets in preparation for specific careers. A grade of C- or better in each Core Course and a 2.0 GPA for all Core Courses are required for the major. For more information regarding the options and minors, students should speak with the departmental and minor advisors.

In addition to the minor in Outdoor Leadership, which provides students opportunities to gain real-world experience through an expedition they help plan, students are provided opportunities to participate in Study Abroad, to engage with professionals through experiential education and field trips, to participate in practicums, and to complete a professional internship.

Students earning a B.S. in Recreation, Park and Tourism Administration are well prepared for employment with adapted and therapeutic recreation agencies, non-profit organizations, park districts, university student unions and recreation centers, hospitals, civic and senior citizen centers, state and national parks, camps and outdoor recreation centers, wilderness camping programs, resource management agencies, resorts, destination management organizations, travel and tourism agencies, restaurants, lodging, event planning companies, casinos, private clubs, and cruise lines.

# **Recreation, Park, Tourism, and Hospitality**

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## **Degree Program**

### **Bachelor of Science—Recreation, Park and Tourism Administration**

All students seeking the Bachelor of Science in Recreation, Park and Tourism Administration must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C- or better in each Core Course and a 2.0 GPA for all Core Courses are required to complete the Recreation, Park and Tourism Administration major.

I.	University General Education Curriculum (p. 69).....	43 s.h.
II.	Core Courses.....	30 s.h.
	RPTA 111, 230, 235†, 322†, 399, 497, 499	
III.	Options of Study (select A, B, C, D, or E).....	15 s.h.
A.	Recreation, Park and Tourism Administration	
1.	Directed Electives.....	3 s.h.
	Select 3 s.h. from RPTA 422, 449, 454, 467	
2.	Departmental Electives .....	12 s.h.
	Select 12 s.h. of RPTA courses	
B.	Adapted Recreation and Inclusion	
1.	Special Courses: HS 250; RPTA 199, 251, 454 .....	9 s.h.
2.	Select 3 s.h. from the following: KIN 473; RPTA 428, 452, 493 .....	3 s.h.
3.	Select 3 s.h. from the following: AAS 100; LAS 210; SOC 300; SOC/WS 360.....	3 s.h.
C.	Community Organizations	
1.	Special Courses: HM 151; RPTA 199, 422.....	6 s.h.
2.	Select 9 s.h. from the following: RPTA 251, 340, 370, 424, 428, 430, 482, 487, 488.....	9 s.h.
D.	Outdoor Recreation	
1.	Special Courses: RPTA 376, 448, 449.....	9 s.h.
2.	Select 6 s.h. from the following: RPTA 249, 340, 478, 481, 485, 487, 488.....	6 s.h.
E.	Tourism, Hospitality and Event Management	
1.	Special Courses: HM 151, 200, 354; RPTA 199, 467 .....	12 s.h.
2.	Select 3 s.h. from the following: HM 359, 451; RPTA 300, 362, 367, 482 .....	3 s.h.
IV.	Any approved minor .....	16 s.h.
V.	Open Electives .....	16 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

† RPTA 235 and 322 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

## **Minors**

<b>Minor in Event Planning and Management.....</b>	<b>17 s.h.</b>
1. Core Courses.....	8 s.h.

## **Recreation, Park, Tourism, and Hospitality**

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2. Directed Electives
  - a. Choose 6 s.h. from the following:.....6 s.h.  
HM 256, 350, 354, 356, 452; RPTA 424, 455, 460, 461, 465  
466, 467
  - b. Choose 3 s.h. from the following:.....3 s.h.  
BC&J 340, 346; BCOM/CSTM/ET 320; COMM 343, 344, 356;  
HRM 353; MGT 349; MKTG 327, 331, 337; THEA 321

**Minor in Horticulture .....** **18 s.h.**  
See Interdisciplinary Minors (p. 256).

**Minor in Hospitality Management .....** **17 s.h.**  
1. Core Courses: .....14 s.h.  
HM 151, 200, 250, 353; RPTA 300  
2. Select 3 s.h. from the following courses:.....3 s.h.  
HM 256, 350, 354, 356, 359, 451, 452; NUTR 300; RPTA 455

**Minor in Nonprofit Administration .....** **19 s.h.**  
1. Core Courses: RPTA 199, 235, 370, 424 .....10 s.h.  
2. Choose one of the following courses: BC&J 340, COMM 343,  
HS 400, MGT 349, MKTG 327, RPTA 467 .....3 s.h.  
3. Choose two of the following courses: AAS 100; LAS 210;  
RPTA 251, 428, 430, 452, 493; SOC 300; SOC/WS 360.....6 s.h.

**Minor in Outdoor Leadership.....** **16 s.h.**  
*Note:* Admission to the minor requires that the student be in good academic standing and successfully complete the application process for the Outdoor Leadership minor expedition (RPTA 446). All core courses in the minor must be completed with at least a C- before a student is able to register for the Outdoor Leadership Minor expedition (RPTA 446).

1. Core Courses: RPTA 199, 249, 349, 444, 448 .....13 s.h.
2. Field Study: RPTA 446 .....3 s.h.

**Minor in Recreation, Park and Tourism Administration.....** **16 s.h.**  
1. RPTA 111 .....3 s.h.  
2. RPTA Electives (RPTA 398, 399, 499 cannot apply to minimum total) .....13 s.h.

**Minor in Therapeutic Recreation.....** **19 s.h.**  
RPTA 199, 251, 351, 451, 453, 454, 464.....19 s.h.

**Minor in Youth Leadership.....** **18 s.h.**  
1. Core Courses: .....6 s.h.  
HM 151; RPTA 199, 428  
2. Directed Electives

- a. Select 6 s.h. from the following courses: .....6 s.h.  
RPTA 230, 235, 249, 251, 322, 340, 497; RPTA/KIN 493
- b. Select 6 s.h. from the following courses (courses must have two different prefixes): .....6 s.h.  
C&I 110; COMM 344, 381; ECH 273, 274; EDS 121; KIN 451, 454, 459; LEJA 201; PSY 221, 422, 425; SOC 370, 425; SPED 390; SW 330

## Course Descriptions

### RECREATION, PARK AND TOURISM ADMINISTRATION (RPTA)

**110 Concepts of Leisure.** (3) (General Education/Human Well-Being) Explores the place of leisure in society. Examines what people do for recreation and leisure in a changing culture. Assists students from all majors to develop a personal leisure life-style that promotes wellness.

**111 Introduction to Leisure and Hospitality Services.** (3) Examines the purpose and function of leisure and hospitality services delivered by governmental, non-profit, and private agencies.

**112 Recreation for Life.** (2) (General Education/Human Well-Being) Examines the contribution of organized recreation to the development and maintenance of individual well-being. This class will assist students' personal exploration of how recreation can enhance body, mind, and spirit. Classroom concepts will be practiced during laboratory hours.

**199 Fieldwork in Leisure Services.** (1, repeatable to 2) A minimum of 50 clock hours of professional experience in daily operation, supervision, financial management, and/or evaluation at an instructor-approved leisure, nonprofit, therapeutic, or youth service agency (based on students' career goals, option, and/or chosen minor). *Graded S/U only.*

**202 (Cross-listed with AGE/ANTH/PSY/SOC 202) The Aging Person in the Social Context.** (3) An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/ANTH/PSY/SOC 202.*

**230 Leadership in Leisure Services.** (3) A study of the theory, principles, and processes of leadership in delivery of leisure services. Laboratory involved.

**235 Programming Principles & Applications in Leisure Services.** (3) Explores the purpose and functions of programs, planning principles, objectives, organizational behavior, and evaluation. Translation of a program plan into practical situations. *Writing Instruction in the Disciplines (WID) course. Field observations required. A one-time charge for online instruction materials applies to this course.*

**249 Principles of Outdoor Recreation.** (3) Investigates the components of an outdoor experience including environmental behavior, personal growth, technical abilities, and safety. *Laboratory charge for course and field trip required.*

**251 Foundations of Therapeutic Recreation.** (3) Provides an introduction to the field of therapeutic recreation, theories and models, orientation to types of disability, interventions, and settings of service. *Field experience required.*

**293 Inclusive Recreation for Individuals with Disabilities.** (3) (General Education/Multicultural Studies) Exploration of opportunities for, limitations of, and motivations for participation in recreational activities across the lifespan for individuals with varying levels

of disabilities. Students will gain practical experience planning and implementing inclusive recreation for individuals with disabilities. *Lab experience required.*

**300 Lodging Industries.** (3) Examines the principles, practices, and philosophy of the lodging industries including sectors, legal considerations, professional associations, and industry standards. *Prerequisite: junior status or consent of instructor.*

**322 Administration of Leisure Services.** (3) Provides basis for understanding administrative processes related to delivery of leisure services. Explores legal/legislative issues, organizational structure, planning, and human resource management. *Writing Instruction in the Disciplines (WID) course. Prerequisites: RPTA 230 and 235; junior status or consent of instructor.*

**340 (Formerly RPTA 240) Camp Leadership.** (3) Examines and applies concepts and procedures for designing and organizing a camp program. Laboratory included. *Laboratory charge for course. Prerequisite: junior status or consent of instructor.*

**349 Expedition Planning.** (3) Provides students the opportunity to examine the components of an outdoor expedition. An expedition is then planned. *Prerequisite: RPTA 249 or consent of instructor.*

**351 Therapeutic Recreation Assessment and Evaluation.** (3) Examines assessment instruments, techniques, and testing protocols used in the practice of Therapeutic Recreation. *Field experience required. Prerequisite: RPTA 251 and junior status, or consent of instructor. Laboratory charge for course and field trip required.*

**362 Tourism.** (3) Examines the principles, practices, and philosophy of the travel industry. *No course prerequisite for nonmajors. Prerequisite: junior status or consent of instructor.*

**366 Commercial Recreation.** (3) Examines the diversity of commercial recreation enterprises; also general trends and personal attributes associated with a career in commercial recreation. *No course prerequisite for nonmajors. Prerequisite: junior status or consent of instructor.*

**367 Event Industries.** (3) Examines the principles, practices, and philosophy of the meeting, incentives, conferences, and events industries including formats, legal considerations, professional associations, and industry standards. *Prerequisite: junior status or consent of instructor.*

**370 (Formerly RPTA 270) Administration of Nonprofit Organizations.** (3) The course will introduce the history, mission, programs, and staffing of nonprofit organizations in the U.S. and focus on the role they have in meeting the needs of youth and adults, including those of under-represented groups, in society. *Prerequisite: junior status or consent of instructor.*

**376 Perspectives in Outdoor Recreation.** (3) Examines outdoor recreation movement in America and its impact on natural resources; reviews relationships between changing public demand and the many agencies involved in supplying outdoor recreation. Includes technical writing instruction. *Prerequisite: junior status or consent of instructor.*

# Recreation, Park, Tourism, and Hospitality

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**398 Internship Seminar.** (1) Assists students to determine personal goals and objectives, conduct survey and apply to various agencies before making final selection for location of internship. *Prerequisites: RPTA majors of junior status; RPTA minors by petition.*

**399 Professional Issues and Practices in Leisure Services.** (3) Review and discussion of the intersections between foundations of the leisure disciplines (history, philosophy, and social and behavioral science underpinnings) and emerging leisure industry issues as students determine professional practices, goals, objectives, and apply to and are hired for internships. *Not open to students who successfully completed RPTA 398 prior to FL 23. Prerequisites: RPTA major and junior status.*

**422 Advanced Administration of Leisure Services.** (3) Investigates advanced concepts and processes related to the administration of leisure services, including marketing applications and the management of human and fiscal resources. *Prerequisites: RPTA 322 and junior status, or consent of instructor.*

**424 Fund Raising and Volunteerism in Leisure Services.** (3) A study of the principles and practices associated with fundraising and utilization of volunteers in public as well as private nonprofit leisure service organizations. *Prerequisite: junior status or consent of the instructor.*

**428 Youth and Leisure Services.** (3) A study of the theories, principles, and practices related to youth and leisure including social trends and issues, youth development, youth services agencies, program planning and evaluation, behavior management, leadership, and public relations. Fieldwork observations required. *Prerequisites: junior status or consent of the instructor.*

**430 Principles of Recreational Sports.** (3) The role of sport as a developmental tool by organizations such as local government, youth, and family nonprofit organizations, universities, corporations, military bases, and specialized amateur athletic organizations. Emphasis is placed on various instructional and competitive program delivery models. *Prerequisite: junior status or consent of the instructor.*

**444 Outdoor Education.** (3) Prepares students to lead outdoor education activities commonly used in outdoor recreation and natural resource settings. *Prerequisite: junior status or consent of instructor. Laboratory charge for course and field trip required.*

**446 Wilderness Leadership.** (3) Prepares students to become qualified wilderness trip leaders. Expedition behavior, emergency procedures, and wilderness leadership responsibilities will be examined during a 14–21 day expedition. *Prerequisite: consent of instructor. Laboratory charge for course and field trip required.*

**448 Interpretation of Cultural and Environmental Resources.** (3) Develops basic understanding of interpretation of natural, environmental, and cultural resources. Includes philosophy and techniques. *Prerequisite: junior status or consent of instructor. Laboratory charge for course and field trip required.*

**449 Management of Outdoor Recreation.** (3) Provides advanced understanding of concepts and processes related to the administration of outdoor recreation and natural resource management including marketing, risk management, and fiscal management. *Prerequisite: RPTA 322 or consent of instructor. Laboratory charge for course and field trip required.*

**450 Travel Workshop.** (1–3, repeatable to 6) Opportunity for students to observe the operations of a variety of leisure service agencies and to discuss on-location the trends, problems, and techniques in leisure service delivery. *Prerequisite: consent of instructor. Laboratory charge for course and field trip required.*

**451 Principles of Therapeutic Recreation.** (3) Examines and applies therapeutic recreation processes and fundamental principles of program planning for people with disabilities in clinical, residential, and community-based settings to provide a conceptual basis for professional practice. *Field experience required. Prerequisites: RPTA 251 and junior status, or consent of instructor.*

**452 Leisure Services for Older Adults.** (3) Examines theories and concepts related to leisure and aging; includes field experiences with older adults. *Prerequisite: junior status or consent of instructor.*

**453 Clinical Therapeutic Recreation Processes.** (3) Examines interventions, modalities, and relevant terminology used in therapeutic recreation treatment for persons with disabilities in clinical, residential, and community-based settings. *Field trip required. Prerequisites: RPTA 251 and junior status, or consent of instructor.*

**454 Management of Therapeutic Recreation.** (3) Understanding and professional practice of Therapeutic Recreation services in health and human-service settings with focus on quality management, finance and reimbursement, budgeting, clinical supervision, risk management, professional ethics, issues, and certification. *Field trip required. Prerequisites: junior status and RPTA 251, 351, and 451; or consent of instructor.*

**455 Casino Operations.** (3) Description of basic casino operations and principles of casino marketing, mathematics of casino games, and utility analysis of gaming motivation and gaming addictions. Exploration of career opportunities in the gaming industry. Historical background and impact of gaming on hospitality industry. *Not open to students with credit in HM 455. Prerequisites: junior status, 21 years of age. Activities outside of class and field trips are required.*

**460 Sustainable Tourism Development.** (3) Provides essentials for successful development of a local tourism economy including organizing, planning, developing, and operation. *Prerequisites: junior status or permission of instructor.*

**461 Conference and Convention Planning and Management.** (3) Prepares students for positions as planners and managers of conferences and conventions at resorts, hotels, cruise ships, camps, universities, or other private or municipal convention centers. *Prerequisite: junior status or consent of instructor.*

**462 International Tourism.** (3) **(Global Issues)** Analysis of contemporary leisure travel behavior emphasizing world tourism markets,

# Recreation, Park, Tourism, and Hospitality

products, attractions, sales, and industry trends. *Prerequisite: junior status or consent of instructor.*

**464 Issues and Trends in Therapeutic Recreation.** (3) Capstone course for the Therapeutic Recreation minor. Examines current issues and trends in the field and advancement of the Therapeutic Recreation profession. *Prerequisite: RPTA 251, 351, 451, 453, and 454.*

**465 Tourism Destination Promotion.** (3) A comprehensive study of the functions of community tourism promotion. Examines management strategies and methods to fund and operate a promotional agency and fulfill responsibilities to community, local service providers, and potential visitors. *Prerequisite: junior status or consent of instructor.*

**466 Resort and Country Club Management.** (3) Principles and practices to plan, develop, manage, and operate leisure-based facilities and services in resorts and country clubs. *Prerequisites: RPTA 362 and junior status, or consent of instructor.*

**467 Event Planning and Management.** (3) The application of methods and techniques to plan, implement, and evaluate successful community events. Content includes selection of event theme and coordination of set up, staff, finance, promotion, partnerships, and operations and evaluation. *Prerequisite: RPTA 235 or 367.*

**476 Special Topics.** (3, repeatable to 9 for different topics) This course explores a topic of current interest in recreation, park, and tourism administration. *Prerequisites: RPTA 111 or permission of instructor.*

**478 Great Smoky Mountains Outdoor Recreation Consortium.** (3) Involves students from several major universities in developing understanding, knowledge, and appreciation of and for agencies and resources in an on-site experience such as at Great Smoky Mountains Institute at Tremont. *Prerequisites: junior status or consent of instructor. Trip charge for course.*

**481 Human Dimensions of Resource Management.** (3) Considers theory and practice for human dimensions oriented use of land, water, and wildlife resources for recreation experiences. Examines social and physical carrying capacity of land and cultural treatment of ecological systems. *Prerequisite: junior status or consent of instructor.*

**482 Facility Management.** (3) Explores problems, principles, and techniques of acquisition, management, design, and operation of facilities (e.g., parks, community centers, event venues) commonly used in leisure industries. Consideration given to factors affecting energy conservation and reducing operational costs. *Prerequisite: junior status or consent of instructor. Field trip charge for course.*

**485 (Cross-listed with ZOOL 485) Resource Management for Fly Fisheries.** (3) Students will learn trout stream ecology and management, and gain fly-fishing experience. Course includes a one-week trip to a stream for students to meet with resource professionals and to practice their skills. *Not open to students with credit in ZOOL 485. Prerequisite: One of the following: BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better), RPTA 110, RPTA 111, or permission of instructor. Charge for on-site trip and equipment required.*

**487 Site Planning in Recreation and Parks.**

(3) Introduction to basic planning principles and techniques as they apply to park and recreation projects. Special consideration given to the use of GIS and GPS technology and field techniques. Emphasis on problem solving in the planning process. *Prerequisite: junior status or consent of instructor.*

**488 Open Space Management.** (3) Investigates theory, principles, and methods of planning recreation land systems. Explores procedures to preserve, acquire, and develop recreation lands and green space throughout a district or urban area. *Prerequisite: junior status or consent of instructor.*

**490 Independent Study.** (1-3, repeatable to 8) Research projects or independent study not covered in other courses. Credit assigned according to the nature and scope of project. *Prerequisites: junior status or consent of instructor; written description of proposal including justification, objectives, and procedures must be submitted to department chairperson prior to enrollment; permission of department chairperson required.*

**493 (Cross-listed with KIN 493) Sport and Recreation for Individuals with Disabilities.**

(3) The course will provide students with information about sport and recreation opportunities for individuals with disabilities across the lifespan at all levels from community programs to elite levels of competition. *Not open to students with credit in KIN 493. Prerequisite: PETE 393, RPTA 251, or consent of instructor. Laboratory charge for course and field trip is required.*

**497 (Formerly RPTA 397) Research and Evaluation in Leisure Services.** (3) Examines and applies concepts and procedures for design and implementation of evaluative research in leisure industries. *Prerequisites: RPTA 235 or consent of instructor.*

**499 Internship in Leisure Services.** (12) Field experience provides for practical application of knowledge and theory in a professional setting. Student acquires experience in all phases of leisure service delivery with highly qualified personnel in a selected agency with University faculty supervision. *Cannot apply to minor except by petition. Prerequisites: junior status, all Core courses completed with an average of at least C (2.00) with no course below C- (1.67), and approval of departmental committee.*

## HOSPITALITY MANAGEMENT (HM)

**151 Principles of Safety, Security and Food Sanitation in Hospitality Operations.** (2) Basic principles of sanitation, safety, and security in food, beverage, and lodging operations. *Recommended to be taken concurrently with HM 200, or permission of instructor.*

**200 Food Service Principles and Applications.** (3) Application of food service principles and safety practices including identification/function of ingredients, use of professional equipment/tools, experiential learning of cooking skills/techniques, meal creation, and plate presentation/garnish techniques commonly used in Hospitality and Leisure Service industries. *Prerequisite: HM 151 or consent of instructor.*

# **Recreation, Park, Tourism, and Hospitality**

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## **250 Quantity Food Production and Service. (3)**

Through the hands-on application of food service and safety principles, students will plan, procure, prepare, manage, market, and serve foods in a commercial/institutional operation. *Not open to students who successfully completed HM 251 prior to SP 24.* Prerequisites: HM 151 with successful ServSafe certification, or demonstrated ServSafe certification and permission of instructor; HM 200.

## **256 Bar and Beverage Management. (3)**

Principles of beverage science, mixology; bar and beverage management including controlling personnel, purchasing, inventory, and equipment; and legal issues related to clientele. Prerequisite: 21 years of age. Field trips will be required.

## **350 Wedding Planning. (3)**

This course focuses on the wedding planning process and examines the role of the wedding planner in creating the couple's timeline and budget, selection of wedding apparel, venue, photography, and music, while honoring features of traditional and non-traditional weddings. Prerequisite: junior status or consent of instructor.

## **353 Foodservice Financial Systems. (3)**

Introduction to the principles and procedures employed in the Uniform System of Accounts for the Lodging Industry (USALI). Prerequisite: junior status or consent of instructor.

## **354 Hospitality Promotions. (3)**

Study of marketing concepts, methods, and techniques used in the hospitality industry with emphasis on event promotion, customer retention, research, and data analysis. Prerequisite: junior status or consent of instructor.

## **356 Catering. (3)**

Principles and application of catering management including staffing,

recipe and menu development, procurement, production, presentation and service, and cost analysis. Prerequisites: HM 151 with successful ServSafe certification, or demonstrated ServSafe certification and permission of instructor. 1 hr. lect.; 4 hrs. lab. Activities outside of class required.

## **359 Legal Aspects in Hospitality Management. (3)**

Survey of laws applied to hospitality establishments with emphasis on managerial approach to solving or avoiding potential tort and contractual violations while managing hospitality establishment. Prerequisite: junior status or consent of instructor.

## **451 Hospitality Systems Management. (3)**

An exploration of theories, principles, and functions of management as they apply to food service operations. Emphasis placed on qualitative and quantitative evaluations of food service operations. Prerequisite: RPTA 300 or consent of instructor.

## **452 Wines of the World. (3)**

In-depth study of local, national, and international wine producing areas and foods that are specifically paired with those vintages. Industry accepted tasting method presented. Prerequisites: junior standing and 21 years of age. Activities outside of class and field trips are required.

## **453 Lodging Systems Management. (3)**

An exploration of theories, principles, and functions of management as they apply to lodging service operations. Emphasis on strategic planning and strategic management of lodging systems operations. Writing Instruction in the Disciplines (WID) course. Prerequisites: HM 353, ENG 180 and 280, and MGT 349.

**Chairperson:** Dr. Tawnya J. Adkins Covert  
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**Telephone:** (309) 298-1056  
**Fax:** (309) 298-1857  
**Email:** TJ-AdkinsCovert@wiu.edu  
**Website:** [wiu.edu/sociology](http://wiu.edu/sociology)

## Program Offerings and Locations

- Bachelor of Arts in Anthropology: Macomb, Online<sup>Δ</sup>
- Bachelor of Arts in Sociology: Macomb, Online
- Minor in Anthropology: Macomb, Online
- Minor in Cannabis and Culture: Macomb, Online
- Minor in Sociology: Macomb, Quad Cities, Online

<sup>Δ</sup> See note in Degree Programs section.

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Adkins Covert, Alveshere, Anderson, Bideshi, Chang, Davis, Ebert Wallace, Hironimus-Wendt, Mannion, McGinty, McIlvaine-Newsad, Skousen, Tollini, Warner, Werner, Wilson.

## GradTrac

GradTrac is available to Sociology and Anthropology majors. See page 79 for information about GradTrac.

## Honors Curriculum

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Integrated Baccalaureate and Master's Degree Programs

An integrated baccalaureate and master's degree program is available for the Bachelor of Arts in Sociology: Master of Arts in Sociology. Two integrated baccalaureate and master's degree programs are available for the Bachelor of Arts in Anthropology: Master of Arts in Museum Studies and Master of Liberal Arts and Sciences. An integrated degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Please refer to the Graduate Studies catalog for details about the integrated program.

## Department Information

Sociology is the study of human societies, their structure, and the ways individuals and groups relate to one another. Sociological knowledge is vital to the understanding of contemporary issues and topics such as poverty, race and gender relations, crime,

# **Sociology and Anthropology**

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delinquency, deviance, mental illness, urban growth and decay, marriage and family life, behavior in bureaucracies, and the organization and delivery of human services.

Since its curriculum emphasizes everyday issues and the workings of society in general, the **B.A. in Sociology** is useful in a great variety of occupational fields and positions such as personnel, industry, survey research, public-opinion polling, marketing and advertising research, and in government or nonprofit agencies which provide for the delivery of human services. Many Sociology graduates also work in hospitals or health-care organizations as well as in education and business and undertake graduate studies in Sociology and other fields. Majors in other disciplines will find that Sociology courses provide valuable background for careers in law enforcement, medicine, public health, counseling, personnel management, education, and social work.

The **B.A in Anthropology** provides students with skills to think holistically about human behavior, diversity, and social problems through the combination of human biology, cultural analysis, linguistics, and study of past societies. Graduates from this Anthropology program will gain a broad understanding of human biological and cultural diversity and acquire skills to successfully navigate the rapidly changing global environment. The curriculum of this program enables an opportunity to apply anthropological research to environmental and community-based practical learning experiences. The degree in Anthropology prepares students interested in a range of professional fields such as law, social work, international economic development, business, public administration, health care, forensic science, human rights advocacy, and other human service professions. Local schools, the National Park Service, consultants, and museums also offer employment opportunities for these students. The Anthropology program also presents a theoretical and practical foundation for graduate studies in Anthropology and Archaeology.

In addition to the major in Sociology and major in Anthropology, the department offers minors in Sociology and Anthropology. Such minors are useful accompaniments to majors in Health, Social Work, Agriculture, Family and Consumer Sciences, the Social Sciences, and Education.

## **Degree Programs**

### **Bachelor of Arts—Sociology**

All students seeking the Bachelor of Arts in Sociology must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85) .....	60 s.h.
II.	Core Courses.....	15 s.h.
	SOC 100, 323†, 324, 333, 334	
III.	Directed Electives.....	18 s.h.
A.	Sociology Electives .....	15 s.h.
	Select any five SOC or ANTH courses, not to include more than 6 s.h. in ANTH	
B.	Capstone Experience .....	3 s.h.
	Select one course from SOC 433, 494, 497	
IV.	Open Electives .....	11 s.h.
V.	Any Minor.....	16 s.h.
#	The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language	

# Sociology and Anthropology

requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.

- † SOC 323 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

## Bachelor of Arts—Anthropology<sup>A</sup>

All students seeking the Bachelor of Arts in Anthropology must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education and College of Arts and Sciences Curriculum Requirements (p. 85)	60 s.h.
II.	Core Courses.....	12 s.h. ANTH 110, 111, 380, 419†
III.	Anthropology Directed Electives	
A.	Complete one of the following.....	3 s.h. ANTH 201 or 249
B.	Complete one of the following.....	3 s.h. ANTH 305, 310, 325, or 326
C.	Complete at least 15 s.h. of Anthropology coursework (with at least two upper-division [300 level or higher] courses).....	15 s.h.
IV.	Any Minor.....	16 s.h.
V.	Open Electives .....	11 s.h.

<sup>A</sup> This major is available online with the selection of designated courses. Please contact advisor for details.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved study abroad program.

† ANTH 419 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

## Minors

### Minor in Sociology..... 18 s.h.

1. SOC 100..... 3 s.h.
2. Sociology Electives ..... 15 s.h.

### Minor in Anthropology..... 18 s.h.

1. ANTH 110, 111 ..... 6 s.h.
2. Anthropology Electives ..... 12 s.h.

### Minor in Cannabis and Culture..... 18 s.h.

See Interdisciplinary Minors (p. 255).

## Course Descriptions

### SOCIOLOGY (SOC)

**100 Introduction to Sociology. (3) (General Education/Social Sciences)** Basic sociological concepts and studies in such areas as culture,

social organization, personality, family, and community.  
*IAI: S7 900.*

**200 Contemporary Social Problems. (3) (General Education/Social Sciences)** An investigation of problems pertaining to group conflict, race relations, crime, family

# Sociology and Anthropology

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disorganization, and other significant aspects of contemporary society.

IAI: S7 901.

**202 (Cross-listed with AGE/ANTH/PSY/RPTA 202) The Aging Person in the Social Context. (3)** An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/ANTH/PSY/RPTA 202.*

**250 American Institutions. (3) (General Education/Social Sciences)** An overview of the more enduring clusters of roles and values by which family, economic, religious, educational, and political processes are conducted.

*Prerequisite: SOC 100 or consent of instructor.*

**255 Deviant Behavior. (3) (General Education/Social Sciences)** An analysis of research findings and theories relating to a variety of forms of "deviant behavior."

*Prerequisite: SOC 100 or consent of instructor.*

**272 Individual and Society. (3) (General Education/Social Sciences)** This course explores sociological theories and research on the relationship between the individual and society. Students will learn how individuals participate in the construction of society and how social structure impacts our everyday lives. *Prerequisite: SOC 100 or consent of instructor.*

**285 (Cross-listed with WS 285) Women: A Global Perspective. (3) (General Education/Social Sciences or Multicultural Studies) (Global Issues)** This course emphasizes the voices of women across the globe from an interdisciplinary perspective. Special attention will be paid to women's activism, the transnational feminist movement, and an examination of the category "woman" in the global context. *Not open to students with credit in WS 285. Prerequisite: SOC 100 or WS 190.*

**300 Minority Peoples. (3) (General Education/Multicultural Studies)** Group relations of ethnic, racial, religious, and sexual minorities. Conflict, separation, assimilation, and related processes. *BGS online writing course. Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

IAI: S7 903D.

**312 Community. (3)** Systems of interrelated organizations, institutions, and persons clustered in the same locations. *Prerequisite: SOC 100 or consent of instructor.*

**313 Self and Identity. (3)** The relationships between culture, social structure, socialization, and self and identity are investigated applying perspectives in sociological social psychology. *Prerequisite: SOC 100 or consent of instructor.*

**316 Collective Behavior and Social Movements. (3)** Analysis of group formations, collective activity, and collective action processes including crowds, mass behavior, flash mobs (and other spontaneous events), fads, and social and political movements. *Prerequisite: SOC 100 or consent of instructor.*

**323 Social Research Methods I. (3)** Hypothesis construction and testing with emphasis on research design, data gathering techniques, and scale construction. The course includes the construction of a research proposal. *Writing*

*Instruction in the Disciplines (WID) course. Prerequisites: SOC 100 or consent of instructor; ENG 280.*

**324 Social Research Methods II. (3)**

Introduction to the application of the scientific method and statistics in sociological research. Emphasis on sampling, measures of central tendency, dispersion, association, and introduction to inferential statistics. Students will gain proficiency with data-analytical software (e.g. SPSS, STATA, or SAS). *Prerequisites: SOC 100 and 323, or consent of instructor; completion of the University General Education Curriculum baccalaureate-level skills in Mathematics requirement.*

**333 Classical Sociological Theory. (3)** A critical examination and analysis of major classical theories in Sociology and their influences upon the development of contemporary social thought. *Prerequisite: SOC 100 or consent of instructor.*

**334 Contemporary Sociological Theory. (3)**

Detailed examination, analysis, and evaluation of selected modern sociological theories. Emphasis on critical analysis and interpretation of schools such as structural functionalism, conflict, neo-Marxian, symbolic interactionist, exchange, network, rational choice, critical race, feminist, and integrative theories. *Prerequisites: SOC 100 and 333.*

**345 Rural Social Organizations. (3)** An examination of rural society from feudalism to agri-business. Emphasis on changes wrought by demographic, bureaucratic, and technological factors and their consequences for contemporary farming. *Prerequisite: SOC 100 or consent of instructor.*

**355 Criminology. (3)** Theories of crime causation and control are discussed in relation to specific behavior systems in crime. In addition, various problem areas in criminology are discussed. *Prerequisite: SOC 100 or consent of instructor.*

**360 (Cross-listed with WS 360) Gender and Society. (3) (General Education/Multicultural Studies)** This course provides a sociological examination of theories of gender, socio-historical gender patterns, gender and American social institutions, social structure and gender, and cross-cultural comparisons. *BGS online writing course. Not open to students with credit in WS 360. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

**365 Sociology of Health and Illness.**

**(3)** Examines the medical institution using sociological theories. Focus on illumination of the social context of health and the medical system using sociological research methods. Topics include the social construction of illness, the provider-client relationship, and medicalization in Western cultures. *Prerequisites: SOC 100 and another Sociology course, or consent of instructor.*

**370 American Family. (3)** A survey of major American marriage and family trends with an emphasis upon changes in mate selection, marital roles, marital adjustment, family life, and other related issues. *Prerequisite: SOC 100 or consent of instructor.*

**405 Sociology of Aging in Rural and Urban America. (3)** An investigation of the social and political consequences for communities and

society at large from the expanding populations of the aged and a sociological examination of the relationships between community and institutional arrangements and the social and social-psychological dimensions of aging. *Prerequisite: SOC 100 or consent of instructor.*

**410 (Cross-listed with WS 410) Women and Poverty.** (3) The poverty of women in the United States including factors of race, place of residence, and age are covered. Structural hierarchies that maintain poverty are examined from a sociological perspective. *Not open to students with credit in WS 410. Prerequisite: WS 190 or SOC 100 or permission of instructor.*

**414 Population.** (3) The distribution, growth, and characteristics of human population and their relationship to social organization. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**415 Social Stratification.** (3) Distribution of wealth, power, and prestige and related structures and values. *Prerequisite: SOC 100 and one additional Sociology course, or consent of instructor.*

**420 (Cross-listed with AAS 420 and WS 420) Race, Class, and Gender.** (3) The course will examine issues of race, class, and gender in historical, cultural, and contemporary societal contexts. *Not open to students with credit in AAS 420 or WS 420. Prerequisite: SOC 100, or AAS 100, or WS 190; or permission of instructor.*

**424 Sociology of Mental Health.** (3) A survey of the history, causes, treatment, and effects of mental illness in the U.S. with emphasis on sociological factors such as social class, race, definitional process, etc. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**425 Juvenile Delinquency.** (3) A survey of various theories of juvenile delinquency and an examination of the juvenile justice system and its relationship to rehabilitation prospects. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**427 Sociology of Sexual Orientation.** (3) Overview of how sociologists approach the study of sexual orientation and of recent sociological research related to sexual orientation, with an emphasis on heterosexism and collective responses to heterosexism. *Prerequisite: SOC 100 or consent of instructor.*

**430 (Cross-listed with WS 430) Sociology of Women's Health.** (3) Uses sociological theories and research to examine the gendered experience of illness. Includes sociological analysis of medical knowledge about women's health. Topics include medicalization of women's health, the gendered hierarchy of professions, and feminist critiques of scientific research. *Not open to students with credit in WS 430. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

**433 Individual Investigations in Sociology.** (3) Students identify a topic of sociological interest and work under the direct supervision of faculty member to complete the proposed project (case study paper, policy paper, literature review, research project, etc.). *Prerequisites: 12 s.h. of Sociology coursework and consent of department chairperson.*

**435 (Cross-listed with WS 435) Women and Crime.** (3) Theories of female criminality, patterns of female crime and victimization, women in corrections, and women as criminal justice practitioners are examined. *Not open to students with credit in WS 435. Prerequisite: SOC 100 or consent of instructor.*

**440 Global Sociology.** (3) **(Global Issues)** This course examines socio-cultural, economic, political, and technological processes of globalization using sociological concepts and theories to provide students with a systematic way of studying our interconnected world. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**445 Sociology of Corporate Crime.** (3) A sociological analysis of theories and research concerning the nature, extent, costs, and control of crimes committed by corporations. *Prerequisite: SOC 100 or consent of instructor.*

**455 Sociology of Corrections.** (3) An analysis of correctional institutions, including the inmate structure, custodial and administrative personnel, treatment programs, and the social factors which affect prison structure and function. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**460 The Family.** (3) Institutions and systems of kinship, marriage, family grouping, child rearing, personal maintenance, and status placement. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**462 Political Sociology.** (3) An analysis of power structures, decision making systems, conflict, conflict resolution, and various theories of power. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**463 Sociology of Law.** (3) An analysis of the social origins of law, the effects of law on human behavior and social institutions, and the relationship between law and social change. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**465 Deviance, Crime, and Control in Socio-Historical Perspective.** (3) Historical conceptions of deviance, origins of prisons, asylums; emergence of police; rates and types of deviance and varieties of social control in particular historical periods. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**471 Urban Sociology.** (3) History of urban growth, location, ecology, planning, and land use of cities; social organization and institutions in urban societies compared with rural and other models. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

**487 Application of Fire Research.** (3) Involves the understanding of fire research and its application. Data from available research on fire prevention and protection programs are studied. *Prerequisite: permission of instructor/chairperson, or acceptance into National Fire Academy Certificate program, or enrollment as LEJA Fire Protection Services major, or Fire Administration or Fire Science minor.*

**488 Community and the Fire Threat.** (3) Sociological and economic characteristics of communities and their influence on the fire

# Sociology and Anthropology

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problem. Housing, structure abandonment, rent control, crime, false alarm, and incendiary fire rates are studied. *Prerequisite: permission of instructor/chairperson, or acceptance into National Fire Academy Certificate program, or enrollment as LBFA Fire Protection Services major, or Fire Administration or Fire Science minor.*

**490 Readings in Sociology. (1–3, repeatable to 3)** Supervised individual readings on sociological topics. *Prerequisites: 12 s.h. of Sociology coursework, 2.70 GPA, and consent of department chairperson.*

**494 (Cross-listed with ANTH 494) Internship.** (3) Supervised applied experience in occupationally related area. Seminars and written reports required. *Not open to students with credit in ANTH 494. Prerequisites: approval of department chairperson and junior or senior status.*

**497 Senior Honors Thesis in Sociology.** (3–6, repeatable to 6) Thesis research under the direction of at least two Sociology faculty members on a topic of mutual agreement; 6 s.h. required for honors. *Prerequisite: approval of departmental honors advisor.*

**499 Seminar in Sociology. (3, repeatable for different topics)** Topics to be announced. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

## ANTHROPOLOGY (ANTH)

**110 Introduction to Cultural Anthropology. (3) (General Education/Social Sciences or Multicultural Studies) (Global Issues)** Survey of basic concepts and approaches of Anthropology to the study of human beings. Study of worldwide cultures from prehistoric to the present.  
*IAI: SI 901N.*

**111 Introduction to Physical Anthropology and Archaeology. (3) (General Education/Social Sciences)** Study of human evolution from the perspectives of both biological and social sciences. Examination of the evolution of culture and the methods of its interpretation.  
*IAI: SI 902.*

**180 Cannabis Cultures: The Anthropological Study of Cannabis. (3)** Examines the anthropological approaches to cultures of cannabis, including medical and recreational marijuana. Two questions frame this course: What is the influence of cannabis on cultures? What is the influence of cultures on cannabis?  
*Prerequisite: ANTH 110 or consent of instructor.*

**201 World Culture Regions. (3, repeatable to 9 for different culture regions)** Surveys of the cultural adaptations of different regions of the world. Either the peoples of Africa, Asia, Latin America, the Middle East, or the Pacific will be studied each time the course is offered. The region will be announced in the time schedule.  
*Prerequisite: ANTH 110 or consent of instructor.*

**202 (Cross-listed with AGE/PSY/RPTA/SOC 202) The Aging Person in the Social Context. (3)** An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/PSY/RPTA/SOC 202.*

**210 Medical Anthropology. (3) (General Education/Social Sciences)** Introduction to medical anthropology, an area of anthropology concerned with human health and the socio-cultural, political, and economic factors that contribute to illness and suffering.

**215 Fantastic Archaeology: Ancient Astronauts, Shape Shifters, and Bigfoot. (3) (General Education/Social Sciences)** This course examines alternate interpretations of the human past as a way to explore the nature of knowledge, develop critical thinking skills, and learn how anthropological and archaeological theory and methods may be used to distinguish between science and pseudoscience.

**225 (Cross-listed with REL 225) (Formerly REL 457) Myth and Ritual. (3) (General Education/Multicultural Studies)** An introduction to the anthropological study of myth and ritual systems and their importance in religious development and anthropological thought. The course focuses on a cross-cultural comparison of myth and its relationship to ritual. *Not open to students with credit in REL 225.*

**249 Native North American Cultures. (3) (General Education/Multicultural Studies)** Introduction to aboriginal North American cultures with an examination of the rich diversity of cultural development and its relationship to the natural environment. *Prerequisite: ANTH 110 or consent of instructor.*

**305 Applied Anthropological Methods. (3) (Global Issues)** Applies anthropological knowledge and methods to regional, national, and global contemporary problems. Includes current theoretical, ethical, and methodological debates. Social issues may include discrimination, hunger, disease, and underdevelopment. *Prerequisite: ANTH 110 or consent of instructor.*

**310 Methods in Physical Anthropology. (3)** This course provides an introduction to physical anthropological methods, including assessing human variation, interpreting the human fossil record, and techniques in forensic anthropology. Students gain an understanding of the tools used in the analysis of primate and human skeletal remains. *Prerequisite: ANTH 111 or ZOOL 200 or permission of instructor.*

**315 (Cross-listed with WS 315) Gender and Anthropology. (3)** Exploration of cross-cultural ethnographies of variations in gender roles in economic, religious, and political domains. This course also addresses gender identity and gender diversity issues. *Not open to students with credit in WS 315. Prerequisite: ANTH 110 or consent of instructor.*

**320 New World Archaeology: North America. (3)** Survey of North American archaeology. Special emphasis on pre-Columbian culture adaptations of eastern United States and the Mississippi Valley, particularly the Illinois region. *Prerequisite: 6 s.h. of Anthropology coursework including ANTH 111, or consent of instructor.*

**321 New World Archaeology: Central and South America. (3)** A survey of Central and South American archaeology with emphasis on the prehispanic civilizations of Mexico and Peru. *Prerequisite: ANTH 111 or consent of instructor. Recommended: ANTH 110.*

**324 (Cross-listed with REL 324) Religion, Magic, and Shamanism. (3) (Global Issues)** Survey of cross-cultural perspectives on beliefs and practices dealing with the supernatural, magic, and religion. The functions and social positions of spiritual leaders from different cultures are explored. *Not open to students with credit in REL 324.* Prerequisite: ANTH 110 or consent of instructor.

**325 Laboratory Analysis of Archaeological Material. (1-3, repeatable to 6 for different projects)** Instruction in the study of material remains recovered from archaeological sites. Processing techniques and methods of analysis presented to introduce students to research in prehistory. *Only 3 s.h. may count toward major.* Prerequisite: permission of instructor.

**326 Archaeological Field Methods. (1-6, repeatable to 12 for different projects)** Intensive field training in the theory, problems, methods, and ethics of archaeological research. Usually taught during summer months at a camp located some distance from campus. *Only 6 s.h. may count toward major.* Prerequisite: permission of instructor.

**330 (Cross-listed with WS 330) Sex and Gender in Archaeology. (3)** The study of sex, gender, and power in archaeological investigations and theory, including cross-cultural comparison of gender and social differentiation in past societies. Changing perspectives on the roles of females in human evolution and prehistory are emphasized. *Not open to students with credit in WS 330.* Prerequisite: ANTH 110 or 111 or WS 190, or consent of instructor.

**333 (Formerly ANTH 205) Drugs and Cultures: From Magic Mushrooms to Big Pharma. (3)** Examines the nature and use of mind-altering drugs from a cross-cultural perspective, including study of the varieties and effects of drugs around the world, in socio-cultural contexts, and functions of drugs. Prerequisite: ANTH 110 or 180, or consent of instructor.

**353 (Cross-listed with PSY 353) Cultural Psychology. (3) (Global Issues)** Examines culture as the physical environment, social institutions and practices, language, and the media that influences human behavior and mental processes. *Not open to students with credit in PSY 353.* Prerequisites: 9 s.h. of Psychology coursework and junior standing or permission of instructor.

**380 Language and Culture. (3)** Study of language as an aspect of culture. Structural and historical analysis of language. Examination of the relationship of language to social structure. Prerequisite: ANTH 110 or consent of instructor.

**381 Old World Archaeology. (3)** Study of major developments in the prehistory of Africa, Europe, and Asia. Examination of earliest man and his cultures through the rise of complex societies. Prerequisite: ANTH 111 or consent of instructor. Recommended: ANTH 110.

**395 (Cross-listed with WS 395) Gender, Race, and the Environment. (3) (General Education/Multicultural Studies)** Explores research, scholarship, and fictional ecofeminist works. Students will consider the influence of women, feminists, and ecofeminist writings on local and global environmental movements. *Not open to*

*students with credit in WS 395.* Prerequisite: ANTH 110 or WS 190 or permission of instructor.

**404 Dynamics of Cultural Change. (3)** Examination of cultural change resulting from social forces, intercultural contact, and changes in the natural environment, focusing on the role of "conflict" and peace-building in the past and present societies, globalization, and modern applications. Prerequisite: ANTH 110 or consent of instructor.

**405 Forensic Anthropology. (3)** Forensic Anthropology deals with the medicolegal problem of identifying human skeletal remains. This course provides an elementary understanding of human skeletal biology, forensic archaeology, and the recovery and identification procedures involved when unknown skeletal remains are discovered. Prerequisite: ANTH 111 or consent of instructor.

**410 Anthrozoology. (3)** Anthrozoology examines human-animal relationships from the perspective of Anthropology with an emphasis on culture and its influence on attitudes toward animals. Prerequisite: ANTH 110 or consent of instructor.

**415 Environmental Anthropology. (3) (Global Issues)** Study of environmental issues from the perspectives of different cultures; students will study ecological and cultural adaptations of humans, and explore strategies for solving environmental problems involving cross-cultural stakeholders. Topics may include global climate change, biodiversity, and environmental sustainability. Prerequisite: ANTH 110 or permission of instructor.

**417 (Cross-listed with ZOOL 417) Primate Ecology, Behavior and Evolution. (3)** This course takes an interdisciplinary approach to primatology utilizing principles from Anthropology, Ecology, Paleontology, and animal behavior. Students gain an understanding of the evolutionary history, adaptations, and conservation of primates and their habitats. *Not open to students with credit in ZOOL 417.* Prerequisite: ANTH 111 or ZOOL 200 (C grade or better) or permission of instructor. Junior standing recommended.

**419 Anthropological Theory. (3)** Study of the intellectual currents which led to the establishment of Anthropology as a discipline. Writing Instruction in the Disciplines (WID) course. Prerequisites: 12 s.h. of Anthropology coursework including ANTH 110 and 111.

**420 Cultural Feast: The Anthropology of Food. (3)** Anthropological study of food symbolism, rules, consumption, health, and the gendered dimensions of food, including gathering, preparation and distribution, and commoditization of food. Issues of scarcity and links to environmental sustainability, global social hierarchies, and power relations are also addressed. Prerequisite: ANTH 110.

**425 Culture and Catastrophe: The Anthropology of Disaster. (3)** Introduces critical theoretical and methodological approaches in the anthropological study of disasters. Examines human preparedness and response to disaster events, issues of social stratification and inequality, and environmental and social forces that influence vulnerability and

## Sociology and Anthropology

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social policy from an international perspective.  
*Prerequisite: ANTH 110.*

**451 Special Topics in Anthropology. (1–2, repeatable to 6 for different topics)** In-depth investigations of special topics from broader subfields of Anthropology. *Prerequisite: 6 s.h. of Anthropology coursework including ANTH 110 or 111 (as most relevant), or consent of instructor.*

**463 (Cross-listed with BOT 463) Ethnobotany. (4) (Global Issues)** A survey of how indigenous people use and classify plants in comparison to modern, scientific principles of botany and plant chemistry, and the use of traditional knowledge by modern science. *May require field work travel at student expense. Not open to students with credit in BOT 463. Prerequisites: BIOL 100, 101; BOT 200 (C grade or better); ZOOL 200 (C grade or better); ANTH 110 or SOC 100; or permission of instructor.*

**490 Individual Investigation in Anthropology. (1–3, repeatable to 3)** Students will pursue a topic of special interest to the individual to be chosen in consultation with an instructor. *Prerequisites: permission of instructor and department chairperson.*

**494 (Cross-listed with SOC 494) Internship. (3)** Supervised applied experience in occupationally related area. Seminars and written reports required. *Not open to students with credit in SOC 494. Prerequisites: approval of department chairperson and junior or senior status.*

**497 Senior Honors Thesis in Anthropology. (3–6, repeatable to 6)** Honors thesis research under the direction of one Anthropology faculty member on a topic of mutual agreement. *Prerequisite: approval of departmental honors advisor.*

# **Speech Pathology and Audiology**

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**Chairperson:** Dr. Amanda B. Silberer  
**Office:** Memorial Hall 232  
**Telephone:** (309) 298-1955  
**Fax:** (309) 298-2049  
**Email:** AB-Silberer@wiu.edu  
**Website:** [wiu.edu/spa](http://wiu.edu/spa)

## **Program Offerings and Locations**

- Bachelor of Science in Speech Pathology and Audiology: Macomb
- Minor in American Sign Language: Macomb

## **Learning Outcomes**

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## **Faculty**

Burke, Cox, Curless, Elbe, Hamilton, Martin, McGarry, Pierson, Ruebush, Sharp, Silberer.

## **Adjunct Faculty**

Doyle, Marrier.

## **Academic Advisor**

Grimm.

## **GradTrac**

GradTrac is available to Speech Pathology and Audiology majors. See page 79 for information about GradTrac.

## **Honors Curriculum**

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## **Department Information**

The Department of Speech Pathology and Audiology offers a Bachelor of Science degree in Speech Pathology and Audiology. Undergraduates in Speech Pathology and Audiology study speech and language development; anatomy and physiology of speech and hearing; speech and hearing science; speech, language, and hearing disorders; and evaluation and treatment procedures.

Most undergraduates plan to apply to graduate school and pursue careers as speech-language pathologists or audiologists. The undergraduate program in Speech Pathology and Audiology provides the foundation for graduate work in either speech-language pathology or audiology. For students who plan to seek employment immediately after graduation, the major provides a solid background in typical and

# Speech Pathology and Audiology

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atypical communication, professional report writing, and scientific thinking, all of which are useful in many professional settings.

## Degree Program

### Bachelor of Science—Speech Pathology and Audiology

All students seeking the Bachelor of Science in Speech Pathology and Audiology must complete I, II, III, IV, and V below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses..... SPA 100, 121, 210, 212, 311, 312, 381, 383, 385, 386, 390, 472, 481†, 482, 494	45 s.h.
III.	Any Approved Minor* .....	16–20 s.h.
IV.	Open Electives* .....	11–15 s.h.
V.	Other..... A. PSY 100 B. STAT 171 C. One of: BIOL 100, 101, 204; ZOOL 200 D. One of: PHYS 100, 114, 115, 211; CHEM 101, 102, 150, 201, 202	14 s.h.

**Note:** 3 s.h. of Category A and 10 s.h. of Categories B–D may count toward the University General Education Curriculum requirement.

- # The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved Study Abroad program.
- † SPA 481 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.
- \* Categories III and IV must provide a minimum of 31 s.h. A range of semester hours is listed for each of these categories because the breakdown depends on the student's choice of minor.

## Minor

Minor in American Sign Language (ASL) .....	16–18 s.h.
1. SPA 121, 122, 223, 225 .....	12 s.h.
2. Select 2–3 of the following courses, 4–6 s.h. total: SPA 325, 391, 418, 494, 499 .....	4–6 s.h.

## Course Descriptions

### SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

**100 Introduction to Communication Sciences and Disorders.** (3) Introduction to the fields of speech-language pathology and audiology including theories and methods related to typical and disordered speech, language, and hearing. Examination of how communication disorders impact a person's psychological and social functioning. Opportunity to observe clinical procedures.

**121 American Sign Language I.** (3) Introduction to American sign language with special focus on topics

dealing with the Deaf community's culture, heritage, and language.

**122 American Sign Language II.** (3) An intermediate course that builds on introductory signs, focuses on supplemental areas of sign language including profession-specific signs, and American Sign Language (ASL). *Prerequisite: SPA 121 or permission of instructor.*

**210 Anatomy and Physiology of Speech Production.** (3) Study of the anatomy, physiology, and neurology required for human speech production. Consideration of the processes of respiration, phonation, resonance, and articulation.

# Speech Pathology and Audiology

**212 Phonetics.** (3) Study of the articulatory and acoustical nature of speech sounds used in English and other phonetic-phonemic phenomena. Instruction in using the International Phonetic Alphabet for transcription. Some attention to dialectal differences.

**223 Vocational Application of American Sign Language.** (3) An advanced course focused on continued development of receptive and expressive skills in American Sign Language with an emphasis on applying these skills to the student's career field. *Prerequisites: SPA 121 and 122, or permission of instructor.*

**225 Deaf Culture.** (3) This course provides an overview of the lives and experiences of Deaf individuals. Topics include: education of the D/deaf, Deaf films, preservation of American Sign Language, technology for communication, safety, education, and vocational services, cochlear implantation, and more.

**311 Speech and Hearing Science.** (3) Introduction to acoustics, perception of sound by normal hearing listeners, acoustic characteristics of speech, and speech perception. *Prerequisite: SPA 210 or consent of instructor.*

**312 Normal Development of Speech and Language.** (3) Study of the development of speech and language from birth through six years of age.

**325 Teaching Deaf and Hard of Hearing Students.** (3) Focus on the education of d/Deaf and hard of hearing individuals in the school setting. Specific components include special education, behavior interventions, collaboration with families/other team members, assistive technology, language and literacy development, cultural influence, assessment, and differentiating instruction. *Prerequisites: SPA 225.*

**381 Speech Sound Development and Disorders.** (3) Study of speech sound development of General American English. Investigation of production, perception, evaluation, and treatment of children's articulatory and phonological disorders and childhood apraxia of speech. Cleft lip and palate and its effects on speech sounds are included. *Prerequisite: SPA 212.*

**383 Neuroscience for Speech, Language, and Hearing.** (3) Overview of the neuro-anatomy and neuro-physiology related to speech, language, and hearing. Emphasis will be placed on both the central and peripheral nervous systems. *Prerequisite: SPA 210.*

**385 Developmental Language Disorders.** (3) Study of the characteristics, etiology, assessment, and treatment of developmental language disorders. *Prerequisites: SPA 212 and 312.*

**386 Acquired Communication Disorders.** (3) Study of the characteristics, etiology, assessment, and treatment of acquired communication disorders. Topics will include aphasia, apraxia, dysarthria, voice disorders, and dementia. *Prerequisite: SPA 383.*

**390 Audiometry and Hearing Disorders.** (3) Introduction to audiology. Covers the anatomy and physiology of the peripheral and central auditory systems. Students will learn to screen and evaluate these systems using subjective and objective measures; determine type, degree, and configuration of hearing loss. *Prerequisite: SPA 210, 311, or consent of instructor.*

**391 Auditory System and Hearing Loss.** (3) The course will focus on understanding the peripheral auditory system, types of hearing loss, assessment,

and treatment. *Prerequisite: enrollment in the American Sign Language minor.*

**400 Senior Honors Thesis Research.** (3) Bibliographic and other preliminary work in preparation for a senior honors thesis (see SPA 401). Students will produce a final, graded project for this course. *This course may not be taken concurrently with SPA 401. Prerequisites: ENG 180 and 280; students must be in good standing in the Centennial Honors College and must be second-semester juniors or first-semester seniors majoring in Speech Pathology and Audiology.*

**401 Honors Thesis.** (3) Students will write a senior honors thesis under the supervision of a faculty member. *This course may not be taken concurrently with SPA 400. Prerequisites: SPA 400; ENG 180 and 280; students must be in good standing in the Centennial Honors College and must be seniors majoring in Speech Pathology and Audiology.*

**418 Independent Research in Communication.** (1–6, repeatable to 6) Individual reading or research under supervision of the faculty. Open to juniors and seniors who have demonstrated competence in speech-language-hearing sciences. *Prerequisites: ENG 180 and 280; consent of instructor and department chairperson.*

**472 Scientific Thinking in Communication Sciences and Disorders.** (3) Overview of the scientific method and interpretation of research literature in the field of communication sciences and disorders. Emphasis will also be placed on the use of evidence based practice in the fields of audiology and speech-language pathology. *Prerequisites: ENG 280 and STAT 171 and either junior or senior standing in SPA or permission of instructor.*

**481 Evaluation Procedures in Speech-Language Pathology.** (3) Consideration of the general role of evaluation in speech and language therapy with intensive study of diagnostic tests and procedures used to assess communication disorders. *Writing Instruction in the Disciplines (WID) course.* *Prerequisites: ENG 180 and 280; SPA 390.*

**482 Clinical Methods in Speech-Language Pathology.** (3) Study of the clinical management of communication disorders with particular emphasis on intervention methods such as developing treatment plans and monitoring treatment progress. Interviewing and counseling skills will also be addressed. *Prerequisites: SPA 385 and 386.*

**488 Clinical Practicum in Speech-Language Pathology.** (1, repeatable to 3) Supervised clinical practice with children and adults having speech or language disorders. Students must meet academic and observation hour requirement. *Prerequisites: SPA 385 and 386; 30 clinical observation hours; minimum GPA of 3.0 in SPA coursework.*

**494 Aural Rehabilitation.** (3) Focus on changing modes of communication in the pediatric deaf/hard of hearing (DHH) population. Topics include communication with ASL, total communication, listening and spoken language, provision of holistic therapy, and management of amplification devices for facilitating optimal communication. *Prerequisites: ENG 180 and 280, or permission of instructor.*

**499 Clinical Practicum in Audiology.** (1, repeatable to 3) Supervised clinical practice in the Speech-Language-Hearing Clinic with children and adults having hearing disorders. Students must meet academic and clinic observation hour requirements. *Prerequisites: SPA 390; 30 clinical observation hours; minimum GPA of 3.0 in SPA coursework.*

# **Teacher Education**

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## **Office of Teacher Education**

**Licensure Officer:** Ms. Tammy Wilson

**Field and Clinical Coordinator:** Ms. Lisa Litchfield

**Office:** Horrabin Hall 40

**Telephone:** (309) 298-2117

**Fax:** (309) 298-3386

**Website:** [wiu.edu/teacher](http://wiu.edu/teacher)

The Office of Teacher Education provides services to undergraduate and graduate students seeking teaching, school administration, and school service personnel licensures and endorsements. The office staff is responsible for advising services, field and clinical supervision, and licensure issues for prospective teachers, school support personnel, and school administrators.

To be recommended for teacher licensure, an individual must complete a State-approved Teacher Education Program, be of good character, in good health, and legally present in the United States and authorized for employment. Individuals seeking licensure must complete all University requirements as well as Teacher Education requirements. Early and continuous consultation and careful advising and planning are essential for individuals seeking initial teacher licensure.

Admission to the University does not automatically constitute acceptance to the Teacher Education Program. Candidates for baccalaureate degrees who plan to complete licensure requirements for teaching must make special application for admission to the Teacher Education Program. Application and requirements for full acceptance are available in the online Teacher Education Program Handbook at [wiu.edu/teacher](http://wiu.edu/teacher).

Western Illinois University must meet the mandates issued by the Illinois State Board of Education and the State Licensure Board. State Licensure Board requirements take precedence over the catalog of record for individuals seeking teacher licensure recommendation.

## **Accreditation**

Western Illinois University is accredited by the Higher Learning Commission, and all of its Teacher Education Programs are approved by the Illinois State Board of Education.

## **Approved Teacher Licensure Programs**

The Illinois State Licensure Board mandates that each institution list in its catalog those programs which are classified as approved programs. The following programs at Western Illinois University have been approved by the Illinois State Licensure Board:

- I. Secondary (9-12)
  - Agriculture Education (5-12)
  - English
  - Mathematics
  - Science/Biology
  - Science/Chemistry
  - Science/Physics
  - Social Science/History
- II. Middle Grades (5-8)
  - Language Arts
  - Mathematics
  - Science
  - Social Science

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- III. Elementary Education (1–6)  
Bilingual/English as a Second Language endorsement (PK–12)
  - IV. Early Childhood Education (Age 0 through Grade Two)
  - V. Special (PK–12)
    - Art
    - French
    - Music
    - Physical Education
    - Reading Specialist (graduate program)
    - Spanish
    - Special Education—Learning Behavior Specialist I (K–age 22)
    - Technology Specialist (graduate program)
  - VI. Alternative Teacher Licensure Program  
Master of Arts in Teaching
  - VII. Administrative (graduate programs)
    - School Principal
    - Superintendent
  - VIII. School Service Personnel (graduate programs)
    - School Counseling
    - School Psychology
    - Speech and Language Impaired

## **Teacher Education Program**

The University Committee for Educator Preparation (UCEP) has oversight of all Teacher Education Programs approved by the Illinois State Board of Education (ISBE) at both the Macomb and Quad Cities campuses. UCEP determines all procedures, requirements, and student discipline protocol for the Teacher Education Program as a whole. It also approves unique requirements for discipline-specific programs.

Individuals who intend to earn a teaching license must be formally admitted to the Teacher Education Program as outlined in the Teacher Education Program Handbook. Once admitted, the student becomes a teacher education candidate and must conform to all requirements and regulations of the Teacher Education Program. Candidates who fail to meet all programmatic expectations may be dismissed from the Teacher Education Program.

Individuals seeking teacher licensure must complete an approved Teacher Education Program. An approved program consists of the following components: General Education, major program, professional education including core courses, Special Education requirement, reading in the content area requirement, pre-student teaching clinical experiences, student teaching, technology competency, curriculum modules addressing English Language Learners (ELL), and supporting coursework. In addition, candidates will undergo periodic disposition assessments, criminal background investigations, and national registry checks. The prospective teacher must be able to perform the essential functions of teaching, with or without a reasonable accommodation, as approved by the Western Illinois University Disability Resource office in collaboration with the Assistant Dean for Teacher Education in the College of Education and Human Services.

Candidates are required to exhibit the following professional dispositions at all times during their enrollment at Western: collaboration, commitment to learning, valuing diversity and equity, responsibility, and respect. Failure to adhere to these professional dispositions is grounds for dismissal from the program.

# **Teacher Education**

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Teacher Education candidates must comply with fingerprint background investigation requirements as set forth by the Illinois State Board of Education and the Illinois school code. Prior to any field work in schools/agencies, candidates are to supply verification of having a completed fingerprint background investigation to each school/agency assigned. In addition, the National Sex Offender Registry, the National Registry of Violent Acts Against Children, and the Illinois Methamphetamine Manufacturer Registry are checked for each candidate. Candidates may be prohibited from completing field work if the background checks or registry checks disclose arrests and/or convictions deemed problematic.

## **Formal Admission and Retention in the Teacher Education Program**

Candidates are to consult with their academic advisor to determine the appropriate time for formal admission to the Teacher Education Program. Candidates must satisfy all requirements of the approved Illinois State Board of Education program. Candidates are responsible for expenses related to program and/or licensure requirements.

Full acceptance into the Teacher Education Program is required prior to enrolling in EDS 303 or any field experience that requires teaching (see departmental program requirements), EDS 401, and applying for student teaching. All applicants will be screened according to the following criteria:

1. Completed 30 s.h. of college-level coursework and an established WIU GPA, including the following courses:
  - ENG 180 with a grade of C or better. A transferred course equivalent must have a C grade or better.
  - General Education Mathematics course with a grade of C- or above (MATH 101, 102, 123, 133, 134, 137, 138, 139; STAT 171). **Note:** Math Competency does not satisfy this Teacher Education requirement.
2. Earned, in accordance with the Illinois State Board of Education licensure rule, a "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.
3. Earned WIU cumulative and WIU major grade point averages (GPAs) of 2.0 or above for Early Childhood; 2.75 or above for History; and 2.50 or above for all other programs.
4. Submitted an acceptable Reflective Paper.
5. Successfully completed the online ELL Modules.
6. Successfully completed the online Safety Training.
7. Cleared all applicable background registries.
8. Received and submitted a positive recommendation from the major department.

The above requirements apply to all persons (graduate and undergraduate) who wish to participate in the Teacher Education Program. More detailed information about selection and retention of candidates may be requested from the Office of Teacher Education. This includes information for candidates who may be transferring from other institutions or who may wish to change programs within this University at times other than those noted in the preceding paragraphs.

## **Appeals Procedures**

The Selection, Retention, and Appeals Committee considers various appeals for candidates enrolled in the Teacher Education Program. Should an appeal be necessary, candidates should contact their advisor. The appeal form is available in Horrabin Hall 40 or on the website at [wiu.edu/teacher](http://wiu.edu/teacher).

## **Retention**

Candidates must continue to maintain good standing in the Teacher Education Program once admitted. Candidates must continue to exhibit the required professional dispositions at all times during their enrollment at Western. These include: collaboration, commitment to learning, valuing diversity and equity, responsibility, and respect. Failure to adhere to these professional dispositions is grounds for dismissal from the program.

## **Professional Education**

All persons seeking initial teaching licensure in the Teacher Education Program must complete the professional education sequence offered by the School of Education.

The sequence includes EDS 202, 301 or 306, 305, and 401\*. (Exception: Early Childhood Education majors consult department advisors.) Full acceptance to the Teacher Education Program is required to enroll in EDS 303 or any field experience requiring teaching. The Teacher Education program has specific grade point average requirements (depending on the major) to enroll in EDS 303 or any field experience that requires teaching (see departmental program requirements). A grade of C- or better is required for all professional education courses. In addition, a minimum of 12 s.h. of student teaching is required (see departmental program requirements).

A grade of C- or better is required for all professional education courses, whether completed at WIU or transferred from another institution. All courses in the professional education sequence completed at other institutions must be evaluated by the School of Education for equivalency.

## **Special Education**

All persons seeking an Illinois professional educator license (early childhood, elementary, middle grades, secondary, or special) must satisfy a State mandate which requires coursework in the identification, psychology, and methods of teaching the exceptional child, including without limitation, the learning disabled child. Courses at Western Illinois University which satisfy this requirement are (grade of C- or better required):

- SPED 390—Characteristics and Methods for Teaching Students with Special Needs
- PETE 393—Adapted Physical Education and PETE 395—Assessment in Adapted Physical Education
- MUS 334—Music for the Learner with Exceptionalities

Candidates should check with their advisors to determine the course required for their major.

## **Reading in the Content Area**

All persons seeking an Illinois professional education license (early childhood, elementary, middle grades, secondary, or special) must satisfy a state mandate which requires coursework in reading in the content area. Courses at Western Illinois University which satisfy this requirement are (grade of C- or better required):

- ENG 366—Reading Instruction in Middle and High Schools
- RDG 382—Literacy Development: Birth through Preschool
- RDG 383—Literacy Instruction in the Early Grades
- RDG 384—Literacy Instruction in the Intermediate Grades
- RDG 387—Literacy Instruction in Content Areas

# **Teacher Education**

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Candidates should check with their advisors to determine the course(s) required for their major.

## **Pre-Student Teaching Field Experiences**

The Teacher Education Program requires that all persons seeking teacher licensure must complete the college-supervised, pre-student teaching field experiences in the major. A grade of C- or above or Satisfactory is required for all field experiences completed. A successful fingerprint background investigation and clearance of applicable registries are required prior to participating in any pre-student teaching field experience. Field experiences will typically be provided in the following courses:

1. EDS 202
2. EDS 303/304
3. Major Methods Course(s)
4. Major Department Pre-Student Teaching Field Experiences

Also available are experiences which may be provided in other courses in the major.

Each candidate should consult his/her major department advisor to determine how this requirement will be met for that major's program.

Candidates who transfer courses with a required field experience will need to provide verification of clinical experiences completed or supplement the transferred course with comparable clinical experiences at Western.

## **Application for Student Teaching**

It is the responsibility of the candidate to apply for a student teaching assignment one year prior to the semester in which it is anticipated that the student teaching assignment will be completed. This application is reviewed and approved by the candidate's academic advisor and the Coordinator of Field and Clinical Experiences. A clinical/student teaching application meeting will be held in September for those requesting student teaching assignments the following Fall semester. Similarly, a meeting will be held in February for those persons eligible to student teach in the Spring of the following year. Specific dates will be announced and posted. No summer session student teaching program is available.

## **Student Teaching Admission Requirements**

Student teaching credit is required for graduation in the Teacher Education Program and is open to qualified candidates who are enrolled in the Teacher Education Program. Candidates must fulfill the requirements for admission to and retention in the Teacher Education Program and are responsible for meeting the student teaching admission requirements listed below:

1. Maintain the required major and cumulative GPAs for the program: 2.0 required for Early Childhood; 2.75 required for History; 2.50 required for Agriculture, Art, Elementary, English, English as a Second Language, French, Mathematics, Middle Level, Multilingual, Music, Physical Education, Science/Biology-Chemistry-Physics, Spanish, and Special Education.
2. Complete EDS 202, 301 or 306, 305, and 401 with a grade of C- or better. (Exception: Early Childhood Education majors consult department advisors).
3. Complete all required coursework with a grade of C- or better, unless specified otherwise.
4. Complete all pre-student teaching field experiences as described above with a grade of C- or better or a grade of Satisfactory.
5. Meet all departmental prerequisites for student teaching.

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6. Receive and submit a positive recommendation from the major department.
  7. Complete the DCFS mandated reporter training.
  8. Successfully complete the required Illinois state-mandated licensure tests, including the applicable content tests.
  9. Successfully complete a criminal fingerprint background investigation and clear all applicable registries.
  10. Complete a state-mandated physical.

The candidate must continue to exhibit the dispositions and professional behaviors needed to perform the essential functions of teaching, with or without reasonable approved accommodations. Failure to adhere to these professional dispositions is grounds for dismissal from the program.

## **Student Teaching Requirements**

Each candidate must complete a minimum 12 s.h. (16 weeks) student teaching experience to meet graduation requirements. Some programs necessitate split assignments in two fields or at two grade levels for a total of 16 weeks. A maximum of 12 s.h. of STCH may be included in the minimum total of 120 s.h. required for graduation.

The student teaching experience semester provides direct teaching experience in a public school under the supervision, and with the guidance of, a highly qualified classroom mentor teacher and a University supervisor.

Requirements for Illinois licensure include passing the edTPA, which must be completed during the student teaching experience.

Student teachers may not participate in campus-based extra-curricular activities such as athletics or the Student Government Association and are discouraged from working while student teaching. Candidates wishing to enroll in additional coursework while student teaching must appeal to the Selection, Retention, and Appeals Committee prior to the student teaching term.

## **Student Teaching Sites**

The Office of Teacher Education offers the following regional sites for clinical (student teaching) experiences: the Quad Cities area, Western Illinois area, Chicago, and Suburban Chicago area(s). Specific student teaching sites are determined by the field supervisors charged with the responsibility for placement and supervision of student teachers in each region. Students who wish to be placed outside these regions must meet with the Field and Clinical Coordinator. Providing student teachers with quality student teaching experiences in school districts with outstanding teaching reputations is the primary objective of each field supervisor. Housing arrangements and transportation during the student teaching semester are the responsibility of each student teacher.

## **Grading of the Student Teaching Experience**

The clinical/student teaching experience is evaluated on an S/U grading system. Candidates must have satisfactorily completed all specific departmental/program requirements to satisfactorily complete student teaching.

## **Teaching Licensure**

Candidates must complete all graduation, teacher education assessments, and major department requirements before recommendation will be made to the Illinois State Board of Education.

# Teacher Education

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Candidates planning to teach should keep in mind the special requirements of the licensure laws in Illinois or other states where they may plan to teach. Recommendation for licensure is made only by the University Licensure Officer located in Horrabin Hall 40.

Candidates seeking an Illinois professional educator license must apply online for the license after the student teaching semester.

Any candidate seeking a teaching license must pass the following State-mandated licensure assessments:

1. Illinois Licensure Content Test(s) required prior to student teaching.
2. Illinois edTPA, a subject-specific assessment, must be passed prior to licensure.

**Note:** Some candidates may be required to take more than one content test. (See education advisor for additional information.)

**Note:** Tests are offered online at various approved testing sites throughout the country. Advanced registration and payment of the test fee is required.

**Note:** Registration information is available in Horrabin Hall 40 and online at [il.nesinc.com](http://il.nesinc.com).

**Note:** Program/licensure requirements are subject to change without notice. Any new state-mandated requirements will supersede program requirements identified herein.

## Course Descriptions

Student teaching is the process whereby a prospective teacher candidate demonstrates his/her competence as an effective beginning teacher. Each student teacher is expected to possess, or develop, the knowledge, skills, and dispositions needed to successfully manage a classroom teaching-learning situation. The successful completion of an approved student teaching experience is documented through one or more of the following courses.

### **STUDENT TEACHING (STCH)**

**430 Student Teaching—Special Needs—Elementary Level. (1-16)** Kindergarten through the sixth grade.

**431 Student Teaching—Special Needs—Secondary Level. (1-16)** Grades 7–12.

**437 Student Teaching—Bilingual. (1-16)** Bilingual student teaching in grades kindergarten through eighth grade.

**459 Student Teaching in Early Childhood Education (PK-K). (1-16)** A pre-school through kindergarten level student teaching experience. Open only to persons in the Early Childhood program.

**460 Student Teaching—Primary Grades (1-3). (1-16)** Student teaching in grades 1, 2, or 3.

**461 Student Teaching—Intermediate Grades. (1-16)** Student teaching in grades 4, 5, and 6.

**462 Student Teaching—Middle Level. (1-16)** Student teaching in middle level departmentalized settings, grades 5–8.

**480 Student Teaching—Secondary. (1-16)** Student teaching in grades 9–12.

**481 Student Teaching in Music. (1-16)** Grades kindergarten through the sixth grade.

**482 Student Teaching in Art. (1-16)** Grades kindergarten through the sixth grade.

**483 Student Teaching in Physical Education. (1-16)** Grades kindergarten through the sixth grade.

**485 Student Teaching in Elementary Foreign Languages. (1-16)** Student teaching in a foreign language in grades K–6.

**Chairperson:** Ms. Tammy L. Killian  
**Office:** Browne Hall 101  
**Telephone:** (309) 298-1543  
**Fax:** (309) 298-2695  
**Email:** Theatre@wiu.edu  
**Website:** [wiu.edu/theatre](http://wiu.edu/theatre)

## Program Offerings and Locations

- Bachelor of Arts in Theatre: Macomb
- Bachelor of Fine Arts in Musical Theatre: Macomb
- Minor in Dance: Macomb
- Minor in Stage Combat: Macomb
- Minor in Theatre: Macomb

## Learning Outcomes

For student learning outcomes, please see [wiu.edu/provost/learningoutcomes](http://wiu.edu/provost/learningoutcomes).

## Faculty

Blackinton, Clow, Conner, Fox, House, Kamminga-Peck, Kavanagh, Killian, Laney, Lewis, Mickelson, Nott, Schmidt, Wipperling, Wright, Wroblewski.

## GradTrac

GradTrac is available to Theatre majors. See page 79 for information about GradTrac.

## Honors Curriculum

Academically qualified students in this department are encouraged to complete an honors curriculum in University Honors, Honors in the Major, or General Honors. All Honors students must complete the one-hour honors colloquium (G H 299). General Honors includes General Honors coursework. Honors in the Major includes honors work in the major. University Honors combines Honors in the Major and General Honors. For more information about honors curricula, see page 101 or visit the Centennial Honors College website at [wiu.edu/Honors](http://wiu.edu/Honors).

## Department Information

The Department of Theatre and Dance offers a Bachelor of Arts (B.A.) degree in Theatre, a Bachelor of Fine Arts (B.F.A.) degree in Musical Theatre, and minors in Theatre, Dance, and Stage Combat.

The **B.A. in Theatre** degree program offers options in Performance and Production/Design. The program develops skilled and creative artists for vocational and professional careers and/or future study in Theatre and related arts and aims: (1) to develop creativity, artistic skills, and professionalism in students through an active production program that melds scholarship and practice; (2) to encourage and develop skills in communication, problem solving, research, and effective writing; (3) to enable majors and non-majors to expand and perfect their knowledge of the literary, historical, and philosophical aspects of Theatre through a rich curriculum that has both depth and breadth; (4) to foster students' understanding and appreciation of the arts; and (5) to enhance the cultural life of the campus and the region.

The **B.F.A. in Musical Theatre** degree program is a comprehensive pre-professional training program, teaching students to combine and synthesize the areas of singing,

# Theatre and Dance

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acting, and dancing. Students in the Musical Theatre program are afforded a variety of in-class and onstage performance opportunities throughout the undergraduate career, culminating in a final senior project. A professional summer experience is an integral part of the requirements for graduation.

## Degree Programs

### Bachelor of Arts—Theatre

All students seeking the Bachelor of Arts in Theatre must complete I, II, and III.A or III.B below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h.

I.	University General Education Curriculum (p. 69) .....	43 s.h.
II.	Core Courses.....	28 s.h.
	THEA 100, 101*, 150, 151, 172*, 251, 321, 381, 390, 391†, 392	
III.	Options of Study (Select A or B)	
A.	Performance	
1.	Special Courses .....	10 s.h.
a.	THEA 170 and 171.....	4 s.h.
b.	Either THEA 145 or 165.....	3 s.h.
c.	Either THEA 311 or 382 .....	3 s.h.
2.	Directed Electives.....	9 s.h.
	Select a minimum of 9 s.h. of THEA courses	
3.	Minor.....	16-24 s.h.
4.	Open Electives.....	9-17 s.h.
B.	Production/Design	
1.	Special Courses .....	9 s.h.
a.	THEA 350, 450, and 451 .....	6 s.h.
b.	Either THEA 145 or 165.....	3 s.h.
2.	Directed Electives.....	10 s.h.
	Select a minimum of 10 s.h. of THEA courses	
3.	Minor.....	16-24 s.h.
4.	Open Electives.....	9-17 s.h.

# The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) THEA 390; or 4) an approved Study Abroad program.

\* May count toward the University General Education requirement.

† THEA 391 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

### Bachelor of Fine Arts—Musical Theatre

*Program Admission:* Admission to the program is by audition only. In order to be admitted to the B.F.A. program, students will present two contrasting songs, two contrasting monologues, and be prepared to learn a dance combination. The audition also qualifies the students for consideration for departmental scholarships. Auditions are held on campus in the Fall and the Spring. Video auditions may also be considered.

*Program Requirements:* Students accepted into the B.F.A. in Musical Theatre program must pass a proficiency test on basic music skills. All B.F.A. students also participate in an annual proficiency exam (at the end of the Spring semester) involving all three skill areas (acting, singing, and dancing), and may be put on probation in one or more areas. Those put on probation must pass a Fall proficiency exam the following semester in the

area(s) of weakness. Faculty may provide individual guidance and coaching through this probationary process. After the Fall proficiency, students are either removed from probation or asked to leave the program. B.F.A. students also successfully pass voice juries in the School of Music at the end of each semester.

All students seeking the Bachelor of Fine Arts in Musical Theatre must complete I, II, and III below, and the foreign language/global issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 132 s.h.

- |      |   |         |
|------|---|---------|
| I.   | University General Education Curriculum (p. 69) .....   | 43 s.h. |
| II.  | Core Courses.....   | 74 s.h. |
|      | THEA 101*, 130, 171, 172*, 176, 230, 270, 271, 274, 276, 311, 330, 430, 476,<br>479 (6 s.h.), 492, 497†, 499; MUS 216 (8 s.h.), 416 (8 s.h.); DAN 110, 112, 113,<br>116, 212, 216, 316  |         |
| III. | Directed Electives.....   | 21 s.h. |
|      | <u>Theatre (minimum 5 s.h.):</u> THEA 150, 151, 269, 273, 337, 372, 373, 381, 390,<br>391, 392, 470, 472, 473, 479  |         |
|      | <u>Music (minimum 5 s.h.):</u> MUS 105, 106, 107, 108, 109, 141, 181, 190, 195*,<br>196*, 242, 248, 394*, 397*  |         |
|      | <u>Dance (minimum 5 s.h.):</u> DAN 117, 119, 210, 213, 219, 310, 313, 413   |         |
| #    | The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement [see Foreign Language/Global Issues Requirement, p. 63]; 2) a General Education global issues course; 3) THEA 390; or 4) an approved Study Abroad program. |         |
| *    | May count toward the University General Education requirement.  |         |
| †    | THEA 497 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.  |         |

## Minors

### **Minor in Dance..... 19 s.h.**

1. Required Courses ..... 11 s.h.  
DAN 119, 210, 213, 219, 310, 313
  2. Select a minimum of 3 s.h. from the following courses: ..... 3 s.h.  
DAN 382, 385
  3. Select a minimum of 5 s.h. from the following courses: ..... 5 s.h.  
DAN 110, 112, 113, 116, 210, 212, 213, 216, 310, 313, 316, 386^,  
413, 490
- ^ Maximum of 2 s.h. may count toward the minor

### **Minor in Stage Combat..... 19 s.h.**

1. THEA 100..... 3 s.h.
2. THEA 470..... 4 s.h.
3. THEA 474 (taken for 3 different weapons) ..... 12 s.h.

### **Minor in Theatre ..... 18 s.h.**

1. Special Courses..... 9 s.h.  
THEA 100, 150, 172
2. Select 2-3 s.h. from the following: ..... 2-3 s.h.  
THEA 101, 390, 391, 392
3. Theatre (THEA) electives..... 6-7 s.h.

# Theatre and Dance

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## Course Descriptions

### THEATRE (THEA)

**100 Theatre Arts: Practice and Profession. (3)** An introduction to all elements of the theatre by providing students with lecture/demonstrations and hands-on experience in eight areas of theatre study. Primarily for Theatre majors. *Lab.*

**101 Play Analysis. (3) (General Education/Fine Arts)** Analysis of plays in terms of plot, theme, character, dialogue, etc., preparatory to approaching the dramatic materials in terms of theatrical production. *Production attendance is required.*

**110 Introduction to the Theatre. (3) (General Education/Fine Arts)** Designed to acquaint the student with an overview of the aesthetics of drama and the practical aspects of the living theatre. *Production attendance is required.*  
*IAI: F1 907.*

**130 Theatre Practice. (1, repeatable to 2)** Designed to increase proficiency in preparation and presentation of theatrical performance. At least one facet of the student's contribution must be carried out under the direct supervision of a member of the Theatre faculty. *Open to freshmen only.*

**145 Fundamentals of Lighting and Sound. (3)** An introduction to stage lighting and audio production including basic electrical theory, control systems, instrumentation and equipment, industry practices, and safety. *Materials charge for course.*

**150 Stagecraft. (3)** Study of basic skills of play production including carpentry, scenic painting, and prop construction. *Materials charge for course.*

**151 Technical Theatre Practicum I. (1)** Training and supervised work in theatre production, including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 150.*

**165 Fundamentals of Costume Construction. (3)** An introduction to costuming and costume production for the theatre including sewing, draping, crafts, and wardrobe. *Materials charge for course.*

**170 Movement I. (2)** This course will develop an awareness of the actor's physical self while expanding the actor's physical potential. This course will also develop the actor's kinesthetic awareness to be sensitive to stimuli such as other people, various environments, and psychological moods.

**171 Voice Techniques I. (2)** Development of the physical and aesthetic nature of voice production. Individual analysis of voices directs attention to improvement of quality, articulation, and pronunciation.

**172 Acting I. (3) (General Education/Fine Arts)** Fundamental concepts, terms, and techniques in acting. Participation in class exercises and problems give the student an opportunity to begin developing skills in performance.  
*IAI: TA 914.*

**176 Techniques of Musical Theatre Performance. (3)** Designed to introduce the

student to the practical demands and staging of musical comedy in the theatre. Emphasis will be placed on specific dance routines, musical comedy styles, and audition pieces. *Prerequisite: permission of instructor.*

**201 Multiculturalism in Theatre. (3) (General Education/Multicultural Studies)** An analysis of multicultural issues found in drama. The class will survey cultural differences as well as the issues and topics unique and specific to various cultures and minorities.

**230 Theatre Practice. (1, repeatable to 2)** Same as THEA 130. *Open to sophomores only.*

### 251 Technical Theatre Practicum II.

**(1)** Continuation of THEA 151. Training and supervised work in theatre production including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 151.*

**269 Make-Up. (2)** Practice and theory of make-up in the theatre, designed to develop proficiency in the various techniques and styles of make-up application. *Materials charge for course.*

**270 Movement II. (3)** Continuation of THEA 170—Movement I. This course explores the actor's own movement habits and patterns, and develops methods for altering and implementing new physical mannerisms for created characters through movement and masks. *Prerequisite: THEA 170 or permission of instructor.*

### 271 Music Skills for Musical Theatre I.

**(2)** Basic musicianship skills with specific applications to Musical Theatre situations. *Prerequisites: Musical Theatre major with sophomore standing; B.F.A. music fundamentals proficiency or MUS 180—Fundamentals of Music; B.F.A. piano proficiency.*

**273 Improvisation for Theatre. (3)** Designed to enhance intuitive and spontaneous skills of acting through a series of structured exercises focusing on conflict, situation, and characterization. *Prerequisite: THEA 172.*

**274 Music Skills for Musical Theatre II. (2)** A continuation of THEA 271. *Prerequisites: Musical Theatre major with sophomore standing and THEA 271; B.F.A. music fundamentals proficiency or MUS 180—Fundamentals of Music; B.F.A. piano proficiency.*

**276 Musical Theatre Studio. (3)** Performance of major roles of Musical Theatre in studio projects. Emphasis on the student's integration of singing, acting, and movement into a unified performance. *Prerequisite: Musical Theatre major with sophomore standing or permission of the instructor.*

**298 Independent Study. (1-3)** Private work on specific problems in performance or tech/design with an approved advisor. *Student must request course the semester before enrolling.*

**311 Acting II. (3)** Continuation of THEA 172—Acting I, with the emphasis on script analysis and in-class scene study. *Prerequisites: THEA 170 or DAN 113; and THEA 171 and 172.*

**321 Stage Management. (3)** Study of the procedures involved in stage management with opportunities for the student to gain experience in this area.

**323 Theatre Organization and Management. (3)** Study of the procedures involved in theatre

publicity and sales with opportunities for the student to gain experience in this area.

**330 Theatre Practice. (1, repeatable to 2)**  
Same as THEA 130. *Open to juniors only.*

**337 Professional Semester. (12)** Designed to give the undergraduate student the opportunity and the learning experience to practice the craft of theatre off-campus in a professional situation. *Students may enroll in this course only after they have been accepted into a reputable theatre organization and have received approval from the Theatre faculty. Because most of the student's time will be spent off-campus working in a theatre, or with a theatre organization, students should not enroll in any other courses during the semester they are enrolled in THEA 337.*

**338 Advanced Topics in Technical Theatre. (2)** Creative and practical projects assigned in conjunction with major campus productions. *Prerequisite: THEA 150 or permission of instructor. Materials charge for course.*

**345 Lighting Design I. (3)** In-depth investigation of the varied aspects of stage lighting theory, design, and practice. The practice will include theoretical production experiences. *Prerequisite: THEA 145.*

**350 Technical Theatre Practicum III. (1)** Continuation of THEA 251. Training and supervised work in theatre production including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 251.*

**354 Theatrical Drafting. (3)** Advanced study of the principles and methods of drafting conventions and techniques employed by the theatre designer or technician. *Prerequisite: THEA 150 or permission of instructor.*

**355 Scene Design I. (3)** Introduction to the methodology and practice of scene design. Application of knowledge through a series of fundamental design projects. *Prerequisite: THEA 354 or permission of instructor.*

**356 Theatrical Rendering. (3)** Media and techniques employed in the presentation of theatrical designs. *Prerequisite: permission of instructor.*

**365 Costume Design I. (3)** History of fashion. Discussion of the theory of costume design and color. Projects assigned in interpreting historical clothing into theatrical costume. *Prerequisite: THEA 165. Materials charge for course.*

**372 Acting: Characterization. (3)** Intense and extensive character analysis and improvisation exploring possible strategies and approaches an actor may take in presenting a character. *Prerequisite: THEA 270 and 311.*

**373 Acting: Shakespeare. (3)** Designed to deal with individual problems of the actor. Consideration is given to acting in verse drama, particularly the works of Shakespeare. *Prerequisite: THEA 270 and 311.*

**381 Directing I. (3)** The director's function in theatrical production from an aesthetic and practical standpoint. *Prerequisite: THEA 101, 172, and 321.*

**382 Directing II. (3)** A continuation of the development of directorial skills using classroom exercises, discussions, and scene work. *Prerequisite: THEA 381 or permission of instructor.*

**390 World Theatre History I. (3) (Global Issues)** A survey of world theatre history and literature from its origins in antiquity through the 17th century, tracing the social, political, and economic conditions in which theatre has developed around the world. *Prerequisites: successful completion of ENG 180 and 280.*

**391 World Theatre History II. (3)** A survey of world theatre history and literature from the 17th century to the 1930s, tracing the social, political, and economic conditions in which theatre has developed around the world. *Writing Instruction in the Disciplines (WID) course. Prerequisites: successful completion of ENG 180 and 280.*

**392 World Theatre History III. (2)** A survey of world theatre history and literature from the 1930s to the present, tracing the social, political, and economic conditions in which theatre has developed around the world. *Prerequisites: successful completion of ENG 180 and 280.*

**400 Independent Research and Projects. (1-6, repeatable to 6 for different topics)** Individual study or research under supervision of the faculty. *Open to seniors who have demonstrated special competence in Theatre. By permission of the department chairperson only. Student must request course the semester before enrolling.*

**401 Honors Thesis/Project. (3)** A capstone course for students pursuing Departmental Honors in Theatre. Students will write a senior honors thesis or produce a final graded creative project. *Prerequisite: GH 299 and 6 s.h. of in-course honors in Theatre; good standing in the Centennial Honors College; senior Theatre major.*

**409 Playwriting I. (2)** Designed to instruct in the basic principles of the art of playwriting: objective, development of obstacles in incidents, characterization, and climax. *Prerequisite: ENG 180 and 280.*

**419 Playwriting II. (2)** Continuation of THEA 409. Students who have achieved a basic level of proficiency in the art of playwriting are encouraged to further develop their skills. *Prerequisites: THEA 409; ENG 180 and 280.*

**430 Theatre Practice. (1, repeatable to 2)**  
Same as THEA 130. *Open to seniors only.*

**446 Lighting Design II. (3)** Continuation of THEA 345. The varied aspects of production experience. *Prerequisite: THEA 345.*

**450 Technical Theatre Practicum IV. (1)** Continuation of THEA 350. Training and supervised work in theatre production including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 350.*

**451 Decor. (4)** Survey of architectural elements, furnishings, and decorative motifs useful to theatre designers: prehistoric through modern including Far Eastern styles.

**455 Scene Design II. (3)** The effects of the elements of scene design in the theatre and the designer's methods of working on design problems. Individual design skill development through creative project assignments. *Prerequisite: THEA 355.*

**456 Scene Painting. (2)** Introduction to painting for the stage with an emphasis on materials, texturing techniques, and three-dimensional effects. *Materials charge for course.*

# Theatre and Dance

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**465 Costume Design II. (3)** Projects assigned in interpreting historical clothing into theatrical costume. *Prerequisite: THEA 365 or permission of instructor.*

**470 Stage Combat: Unarmed. (4)** Students will learn safe, effective techniques for performing unarmed stage fights, falls, and rolls. Emphasis on acting the fight, safety, and realism. *Prerequisites: THEA 170 and 172, or permission of instructor.*

**472 Auditions. (2)** Designed to prepare the advanced acting student in the techniques, opportunities, and procedures of auditioning, interviewing, and constructing resumes for advanced study or career placement. *Prerequisite: THEA 372 or 373.*

**473 Acting and the Camera. (3, repeatable to 9)** A course designed to incorporate skills learned in basic acting classes and basic video or film production courses, emphasizing camera students working with actors and actors working in front of the camera. *Prerequisite: Performance students: THEA 311 or permission of instructor; Camera students: BC 110 or BC&J 311 or permission of instructor.*

**474 Stage Combat: Armed. (4, repeatable to 12)** Designed to teach safe, effective techniques for various weapons. Weapons could include broadsword, sword and shield, quarterstaff, rapier, and dagger. Emphasis on acting the story and safety. *Prerequisites: THEA 470 and/or permission of the instructor.*

**476 Advanced Techniques of Musical Theatre. (3)** Continuation of THEA 176. Further development of singing and acting abilities, enabling the student to fuse these talents and perform with greater success in the genre of Musical Theatre. *Prerequisites: at least two acting classes, proficient music skills, and permission of the instructor.*

**477 Dialects. (3)** Training in American regional and foreign dialects most frequently required in performance. Various approaches are introduced so that individuals may develop personal working methods. *Prerequisite: THEA 171 and 172, or permission of instructor.*

**479 Professional Summer Semester. (1-12, repeatable to 12)** Practical and theoretical work in all aspects of production during intensive eight-week rehearsal and performance of Summer Music Theatre. *Auditions required.*

**481 Rehearsal Techniques. (3)** The examination and practical application of techniques for the development of creative rehearsal environments, effective actor/director communication, and strategies for exploring the moment to moment dynamics of a scene. *Prerequisite: THEA 382.*

**482 Independent Projects in Directing. (3)** Supervised independent projects in directing. *Prerequisite: THEA 481 with a B or better.*

**483 Assistant Director Practicum. (1)** Designed to give the directing student the opportunity to participate in a mainstage production, the student will work on all aspects of the artistic development of a production under the mentorship of the faculty director. *Prerequisites: THEA 481 and permission of instructor.*

**492 Musical Theatre Auditions and Professional Preparation. (3)** Designed to

prepare students to be successful at professional Musical Theatre auditions and to provide them with practical skills and information related to show business (i.e.: agents, managers, unions, negotiating, contracts, headshots, resumes, casting directors, etc.). *Prerequisite: THEA 276.*

**496 Experiments and Topics in Theatre. (1-3, repeatable to 12)** Investigation and exploration of special projects or experiments which will immerse students in a specific topic, technique, or concept. *Prerequisites: ENG 180 and 280; junior or senior standing. Materials charge for course.*

**497 Musical Theatre History. (3)** History of Musical Theatre, primarily focusing on American Musical Theatre, from its defining influences and roots to the present. Topics to be covered include significant productions, composers, lyricists, librettists, choreographers, directors, designers, and actors. *Writing Instruction in the Disciplines (WID) course. Prerequisites: THEA 101 or permission of instructor, and successful completion of ENG 180 and 280.*

**498 Individual Study. (1-3)** Special projects in performance or design. *Prerequisites: junior or senior standing, and permission of advisor.*

**499 BFA Senior Project. (3)** BFA Musical Theatre seniors are to mount a fully-staged, recital format, production demonstrating high proficiency in the three primary areas of study: acting, singing, and dancing. Seniors are expected to direct their own productions, with faculty guidance. *Prerequisites: Musical Theatre major and senior standing.*

## DANCE (DAN)

**110 Ballet I. (2, repeatable to 4)** Introduction to exercises at barre, exercises at center, simple allegro work, and simple adagio.

**112 Jazz Dance I. (2, repeatable to 4)** Survey of the historical influences from which jazz dance evolved and beginning jazz techniques.

**113 Modern Dance I. (2, repeatable to 4)** Beginning modern dance technique and creative approach.

**116 Tap Dance I. (1, repeatable to 2)** Fundamentals of tap and soft shoe.

**117 (Cross-listed with KIN 117) Pilates Exercise. (1)** Pilates-based, mat-work fundamentals and basic concepts of Core Dynamics and floor exercises for physical/mental conditioning that change, tone, center, balance, and strengthen the body. Holistic exercise uses specific breath support while the body is engaged in dynamic exercise and includes a posture analysis to determine individual needs and goals. *Not open to students with credit in KIN 117.*

**119 Improvisation. (1)** Exploration of individual and group movement potential in a spontaneous context, as it relates to dance.

**210 Ballet II. (2, repeatable to 6)** Intermediate technique and skill. Continuation of Ballet I. *Prerequisite: permission of instructor.*

**212 Jazz Dance II. (2, repeatable to 6)** Intermediate skill, techniques, and movement combinations. Continuation of Jazz I. *Prerequisite: permission of instructor.*

**213 Modern Dance II. (2, repeatable to 6)**

Intermediate level skills and techniques. Continuation of Modern Dance I. *Prerequisite: permission of instructor.*

**216 Tap Dance II. (1, repeatable to 2)**

Intermediate tap dance and soft shoe skills and continued study of beginning skills and theory. *Prerequisite: D&N 116 or permission of instructor.*

**219 Composition. (2)**

Introduction to application of choreographic principles with emphasis on movement invention and development of evaluative skills. *Prerequisite: DAN 119. Concert attendance required*

**310 Ballet III. (2, repeatable to 6)**

Continuation of Ballet II. *Prerequisites: DAN 210 and permission of instructor.*

**313 Modern Dance III. (2, repeatable to 6)**

*Prerequisites: DAN 213 and permission of instructor.*

**316 Musical Theatre Dance. (2, repeatable to 6)**

This dance performance course focuses on the specific needs for a performer in Musical Theatre. Students will gain practical experience in dance areas pertinent to Musical Theatre performance such as partnering, solo work, and dancing in a

chorus. *Prerequisites: Musical Theatre major and permission of instructor.*

**382 Dance History and Philosophy. (3)**

A survey of dance from pre-literary times to the present in relation to philosophical and sociological factors of dance as an art form in society.

*IAI: F1 906.*

**385 Movement and Music Analysis. (3)**

Review of musical notation and application through playing of keyboard and percussion instruments. Analysis of recorded music for meter, rhythmic pattern, and phrasing.

**386 Special Projects in Dance. (1–6,**

**repeatable to 6 for different topics) By arrangement with Dance advisor one semester in advance.**

**413 Advanced Techniques of Modern Dance. (2, repeatable to 6)**

Advanced modern dance techniques with emphasis on performance qualities in projection, vitality, and execution. *Prerequisites: DAN 313 and permission of instructor.*

**490 Independent Study. (1–3, repeatable to 6 for different topics) By arrangement with instructor.**

# University Courses

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**Coordinator:** Dr. Mark Mossman

**Office:** Sherman Hall 211

**Telephone:** (309) 298-1066

**Fax:** (309) 298-2021

The courses listed below are designed to support graduation requirements, Study Abroad, and other opportunities for study not associated with academic departments.

## Course Descriptions

### LIBRARY (LIB)

#### 201 Using Libraries Today I—Information

**Access and Evaluation.** (1) Introduces concepts and techniques required to determine information need, develop search strategies, and access and evaluate print and online resources effectively and efficiently. The course provides hands-on experience with a focus on WIU Libraries information resources.

#### 360 (Cross-listed with UNIV 360) Research Methods for General and Professional

**Studies.** (3) Course covers the research process and application of methods appropriate to professional studies. Includes an introduction to research methodologies, project planning, and reporting. *Not open to students with credit in UNIV 360. Prerequisites: junior standing; ENG 180 and 280; or permission of instructor.*

### UNIVERSITY (UNIV)

#### 100 Personal Growth and Well-Being in Higher Education. (1) (General Education/Human Well-Being)

This course provides first-year students with an introduction to social, intellectual, personal, and physical wellness as they relate to college-level success. *Credit cannot be given for both UNIV 100 and CSP 110. Prerequisite: freshman standing with fewer than 24 s.h. earned, or permission of University Courses Coordinator.*

#### 200 Career Exploration. (1)

Introduces the concept of career exploration and lifelong career development. Guides students through researching career options and knowledge of one's personality, interests, and values in relation to career decision making.

#### 360 (Cross-listed with LIB 360) Research Methods for General and Professional

**Studies.** (3) Course covers the research process and application of methods appropriate to professional studies. Includes an introduction to research methodologies, project planning, and reporting. *Not open to students with credit in LIB 360. Prerequisites: junior standing; ENG 180 and 280; or permission of instructor.*

#### 390 Career Preparation. (1)

Assist students in developing tools and skills to effectively market and transition themselves into the workforce, increase student understanding of the job search process, and strengthen the students' confidence level in setting and reaching their professional goals. *Prerequisite: sophomore, junior, or senior standing.*

#### 490 Career Internship. (2-12, repeatable)

**to 12** Appropriate, supervised practical work experience in a career related setting. *BGS online writing course. Prerequisites: junior/senior*

*standing, 2.00 GPA, and permission of instructor. Graded S/U only.*

### WESL INSTITUTE (WESL)

#### 010 Foundation in English as a Second

**Language. (0, repeatable)** Basic language and academic skills in reading, writing, listening, speaking, integrated skills, and grammar. Reading strategies; sentence to paragraph writing; guided note-taking; conversation and simple discussion; computer skills. Orientation to American life and culture. 20 hours per week. *Prerequisite: admission to WESL Institute. Graded S/U only.*

#### 020 Intermediate English as a Second

**Language. (0, repeatable)** Continued development of intermediate language and academic skills in reading, writing, listening, speaking, integrated skills, and grammar. Reading strategies; sentence to paragraph writing; guided note-taking and lecture comprehension; conversation and simple discussion; speeches; computer skills. Orientation to American life and culture. 20 hours per week. *Prerequisite: admission to WESL Institute. Graded S/U only.*

#### 030 University Preparation in English as a Second Language. (0, repeatable)

Continued development of advanced academic and language skills in reading, writing, listening, and speaking; library and Internet research, essays and research paper; lecture comprehension and note-taking; interpersonal and intercultural communication; public speaking; computer skills. 20 hours per week. *Prerequisite: admission to WESL Institute. Graded S/U only.*

#### 040 Dual Program in Listening/Speaking or Reading/Writing. (0)

For students with advanced skills in English who need additional instruction in either listening/speaking or reading/writing as determined by the WESL Placement Test. Students enroll in University Preparation class 10 hours a week and up to 6 hours of graduate courses or 8 hours of undergraduate courses in the University. *Prerequisite: admission to WESL Institute and WIU. Graded S/U only.*

#### 060 TOEFL Preparation. (0)

Intensive preparation and practice for the TOEFL test of English as a foreign language, for matriculated non-native speakers of English and University Preparation and Dual Program students enrolled in WESL Institute. *Prerequisite: Fully matriculated non-native speaker of English, University Preparation student enrolled in WESL, or Dual Program student enrolled in WESL. Graded S/U only.*

## Experimental Studies Program

Western Illinois University offers students and faculty the opportunity to explore experiments in learning which lie outside the existing traditional curriculum structure. Under the framework of the Experimental Studies Program, students may design courses (298/498) to fit their specific interests and needs and receive academic credit through sponsorship by a faculty coordinator. Faculty, in turn, may propose new and innovative courses (275/475) for presentation to students on a trial basis with a minimum of the regular approval procedure, thereby permitting an experimental period for refinement before the course is proposed through regular channels for approval. The appropriate department chairperson should be contacted for additional information about the Experimental Studies Program.

**275-475 (Title to Be Assigned by Department). (1-3 each)** Students should consult the department to determine which experimental courses, if any, are being offered under this number during the current academic year. *May not be counted in the General Education Curriculum. Students pursuing undergraduate degree programs may take a maximum of 3 s.h. of 275 and 3 s.h. of 475 from one department for credit toward graduation. A student pursuing the B.A. in General Studies degree may take up to 12 hours of*

*275/475 courses from one department for credit toward graduation.*

**298-498 Individualized Studies. (1-3 each)** This course is available to students who are interested in the study of topics which are not currently a part of the curriculum. Students should consult their advisor or the department chairperson about procedures. *May not be counted in the General Education Curriculum.*

## Overseas Study

The following courses facilitate the registration and tracking of students who enroll for study outside the U.S.

### OVERSEAS STUDY (AII)

**279 Overseas Study\*. (1-18, repeatable to 18)** Coursework undertaken as part of an approved University overseas study program. *Prerequisite: approval of Study Abroad advisor and department chair.*

**379 Overseas Study\*. (1-18, repeatable to 18)** Coursework undertaken as part of an approved University overseas study program. *Prerequisite: approval of Study Abroad advisor and department chair.*

\* Title is flexible as approved by department chair.

### OVERSEAS STUDY (OVST)

**279 Overseas Study. (0-18)** Participation in an approved overseas study for up to one year at another approved university. *Prerequisite: approval of Study Abroad advisor.*

**379 Overseas Study. (0-18)** Participation in an approved overseas study for up to one year at another approved university. *Prerequisite: approval of Study Abroad advisor.*

## **Academic and Student Services**

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Center for Global Studies  
Council on Admission, Graduation, and Academic Standards (CAGAS)  
First Year Advising Center  
Graduate Studies  
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Transition and Academic Skills Center  
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WIU Harry Mussatto Golf Course  
Women's Center

### Academic Advising

[wiu.edu/academicsuccess](http://wiu.edu/academicsuccess)

At Western Illinois University, academic advising is an intentional, educational partnership between advisors and students. Grounded in teaching and learning, and approached from a developmental perspective, this multidimensional process considers and respects students' diverse backgrounds, interests, and abilities, while facilitating the identification and achievement of educational, career, and life goals. Students are assigned academic advisors based on the selected major or their admission program. Once a student is admitted, information about the advisor can be found on the online student record system (STARS).

### Center for Global Studies

**Memorial Hall 346; (309) 298-1920**

[wiu.edu/global](http://wiu.edu/global)

The Center for Global Studies manages the marketing of WIU abroad. Primarily focused on the recruitment of international students, Global Studies engages partner institutions, agencies, faculty, and individual students worldwide to begin the familiarization process with WIU.

In addition, the Center for Global Studies (CGS) offers a wide variety of programs including conferences, workshops, short-term international programs, sponsored credit, and residential programs coordinated through the Office of Study Abroad and Outreach. Students may participate in Study Abroad throughout the year in more than 60 countries worldwide. Staff development programs are offered independently, as well as in cooperation with University departments.

CGS collaborates with the Graduate School in processing international admissions as well as enabling the process for visas and resolving immigration problems. CGS also provides a comprehensive orientation program for new international students; coordinates special programs such as International Neighbors and Conversation Partners; University representation for international and intercultural matters; and publicity related to all University international activities. Western's English as a Second Language (WESL) Institute provides an intensive program in academic English for international students who are preparing to enter an American college or university.

### Council on Admission, Graduation, and Academic Standards (CAGAS)

**Sherman Hall 110; (309) 298-3101**

[wiu.edu/registrar/cagas](http://wiu.edu/registrar/cagas)

This Faculty Senate council (CAGAS) may be contacted through the Office of the Registrar in Sherman Hall. Undergraduate students seeking information concerning academic appeals (e.g., late withdrawals, course substitutions, and waivers of University requirements) may contact CAGAS at (309) 298-3101 or [CAGAS@wiu.edu](mailto:CAGAS@wiu.edu). Students filing such appeals may send them to CAGAS, Sherman Hall 110, or to the email address indicated above.

### First Year Advising Center (FYAC)

**Memorial Hall Lower Level; (309) 298-1871**

[wiu.edu/academicsuccess](http://wiu.edu/academicsuccess)

The First Year Advising Center specializes in supporting the transition of all new freshmen from high school to college. Students in our University Advising Program (undecided), Reach Program, and high school students who are taking dual credit courses are advised in the FYAC. Through multiple meetings, your FY advisor will help you choose appropriate courses for your first two semesters, explain University policies and procedures, and make referrals to resources and services available at

## **Academic Services**

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WIU. Your FY advisor can also provide assistance if you decide to change your major. Incoming freshmen not in the Reach program, transfer students, and students pursuing an online only degree will be advised by an advisor in their academic department.

### **Graduate Studies**

**Sherman Hall 116; (309) 298-1806**

[wiu.edu/grad](http://wiu.edu/grad)

The School of Graduate Studies is the coordinating agency for the University's graduate programs and international admissions. The Graduate School processes graduate student admissions, writes graduate assistantship contracts, verifies degree completion, and provides immigration services to all graduate and international students at the University. The School of Graduate Studies is responsible for implementing the policies, procedures, and academic standards established by the Graduate Council, a representative body elected by members of the graduate faculty.

### **Registrar**

**Sherman Hall 110; (309) 298-1891**

[wiu.edu/registrar](http://wiu.edu/registrar)

The Office of the Registrar determines the residency status of students, administers the registration of students, verifies degree completion, maintains student academic records, and reviews applications for undergraduate reentry. The office is also responsible for certifying NCAA academic eligibility, issuing official transcripts and verifications, printing diplomas, publishing class schedules, coordinating Commencement, issuing grade reports, processing student requests to change a major, minor, or address, and administering academic room scheduling. The Office of the Registrar also facilitates the GradTrac program.

### **University Libraries**

**(309) 298-2705**

[wiu.edu/libraries](http://wiu.edu/libraries)

University Libraries is comprised of the main Leslie F. Malpass Library, the Music Library, the Curriculum Library, and the WIU—Quad Cities Library in Moline. Together the libraries house an extensive collection; deliver online access to thousands of journals, documents, and e-books; offer research assistance both in person and virtually; and provide library instruction. All branches offer group study spaces, wireless access, computers, and printers. WIU Libraries is a member of the Consortium of Academic and Research Libraries in Illinois, giving our users easy access to the collections of 88 other libraries throughout the state. In addition, WIU Libraries participates in the federal and Illinois depository programs and is a designated Patent and Trademark Resource Center. Archives & Special Collections is the official repository for university records and scholarship, and collects materials that document the cultural, economic, and natural heritage of west-central Illinois. For more information, please visit [wiu.edu/libraries](http://wiu.edu/libraries).

### **University Technology**

**Stipes Hall 126; (309) 298-TECH**

[wiu.edu/utech](http://wiu.edu/utech)

University Technology (uTech) supports computer resources used by students and faculty for research and instruction. Computers are available for use in most instructional and residential buildings on both the Macomb and Quad Cities campuses. Wireless access is available in all academic buildings and in residence halls.

Computer labs are staffed by trained student personnel and are available for student use in Stipes, Horrabin, Memorial, and Morgan Halls and at Western Illinois

University—Quad Cities. Residence hall students in Macomb may use computer labs in each hall complex. Two labs are available 24 hours a day, while late-night access is available for off-campus students in the University Union and Malpass Library. Internet access is available in all residence hall rooms, including graduate and family housing.

Each student is provided a WIU email account, access to Google Workspace (Gmail, Docs, Sheets, Drive, and more), and Office 365 accounts at no additional cost. Discounted software is also available for purchase. Details regarding discounted and free software available to students can be found on the WIU website ([wiu.edu/studentsoftware/](http://wiu.edu/studentsoftware/)).

The uTech Support Center provides walk-in support for student, faculty, and staff technology needs. Walk-in technical support is available in Stipes Hall 126 from 8:00 a.m. to 4:30 p.m. Monday–Friday. For technical assistance, please contact the uTech Support Center at (309) 298-TECH [(309) 298-8324] or [support@wiu.edu](mailto:support@wiu.edu). You can also visit us online at [wiu.edu/utech](http://wiu.edu/utech).

**Western Illinois University—Quad Cities**  
**3300 River Drive, Moline, IL; (309) 762-9481**  
**[wiu.edu/qc](http://wiu.edu/qc)**

Located in a metropolitan area with a population over 380,000, WIU—Quad Cities is the public University in the Quad Cities area. WIU—Quad Cities offers bachelor's, master's, and doctoral degrees, as well as post-baccalaureate certificate programs. WIU—Quad Cities welcomes freshmen, transfers, and graduate students who seek an engaging university experience in and out of the classroom, with opportunities for experiential and service learning, networking, and internships that prepare students for a career and life after WIU.

**Writing Center**  
**Malpass Library, Third Floor (Macomb); Quad Cities Complex, Room 2219 (QC);**  
**(309) 298-2815**  
**[wiu.edu/uwc](http://wiu.edu/uwc)**

The University Writing Center (UWC), including the QC-based U.S. Bank Writing Center, provides a wide range of writing services to students, faculty, and staff. The UWC is staffed by highly qualified undergraduate and graduate students who can assist with writing from any discipline, at any academic level, and at any point in the writing process. For more information on locations and hours or to self-schedule an appointment, please visit us at [wiu.edu/uwc](http://wiu.edu/uwc).

## **Student Services**

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### **Beu Health Center**

**Corner of Western Avenue and Murray Street; (309) 298-1888**

**[wiu.edu/beu](http://wiu.edu/beu)**

Beu Health Center, located on the Macomb campus, provides outpatient primary care services for students and their spouses or domestic partners. The Center is equipped with its own pharmacy, laboratory, and x-ray facilities, and the Center's physicians and mid-level practitioners provide diagnosis, treatment, and prescriptive services for individuals. There are fees associated with services such as x-ray examinations, pharmacy products, injection services, laboratory services, equipment, and office visits. Information about Beu Health Center services can be found at [wiu.edu/beu](http://wiu.edu/beu), and appointments may be scheduled online at <http://beuonline.wiu.edu>.

### **Campus Recreation**

**Donald S. Spencer Student Recreation Center; (309) 298-1228**

**[wiu.edu/campusrec](http://wiu.edu/campusrec)**

Campus Recreation provides students the opportunity to pursue a healthy lifestyle and explore recreational interests through a variety of programs, facilities, and services. The Spencer Student Recreation Center features five multipurpose gym courts, two group fitness studios, a one-eighth mile elevated track, three weight rooms, three cardio areas, a boxing room, a core room, four racquetball courts, and an aquatics center with a pool, aqua climb, and hot tub. Intramural Sports offer over 30 events annually with leagues, tournaments, and events in men's, women's, co-recreational, and Greek divisions at competitive, intermediate, and recreational levels of play. Sport Clubs provide recreational opportunities, as well as regional and national competition. A variety of group fitness classes are offered daily. Informational programs and personal trainers are available to assist students with fitness equipment and goals. Please visit [wiu.edu/campusrec](http://wiu.edu/campusrec) for on-campus recreational facilities and activities. Add *wiurec* on Snapchat, and follow *wiucampusrec* on Instagram, Twitter, and Facebook.

### **Career Preparation and Employer Engagement**

**Memorial Hall 014 (Macomb); Quad Cities Complex Building C, Suite 1416;**

**(309) 298-1838**

**[wiu.edu/careers](http://wiu.edu/careers)**

The Center for Career Preparation and Employer Engagement focuses on career development and readiness for both the Macomb and Quad Cities campuses, as well as online students. The Career Center offers traditional resources like resume review, interview preparation, career navigation, and more; and also focuses on the enhancement of employer relations and engagement with our students to create increased experiential learning and career opportunities. More can be learned about the Career Center at [wiu.edu/careers](http://wiu.edu/careers) and through Handshake at [wiu.joinhandshake.com](http://wiu.joinhandshake.com).

### **Casa Latina Cultural Center**

**Multicultural Center, Suite 202; (309) 298-3379**

**[wiu.edu/casa](http://wiu.edu/casa)**

At Casa Latina Cultural Center, we are passionate about social justice, intersectionality, and developing students through education, engagement, and leadership. Casa provides a safe, unique, and empowering space for students to experience college life. Casa is a home away from home that offers a variety of events and programming during the academic year ranging from music performances, cultural celebrations, and our annual legacy programs BYOT (Bring Your Own Tortilla), Día de los Muertos, and Calle Murray. We look forward to having you visit our beautiful space at the Multicultural Center, featuring lounges, a computer lab, a dance studio, a kitchen, and a conference

room. Please visit [wiu.edu/casa](http://wiu.edu/casa) for more information, follow *casa\_latina\_wiu* on Instagram, and like our Facebook page *Casa Latina Cultural Center at WIU*.

### **Counseling Center**

**Memorial Hall 102; (309) 298-2453**

[wiu.edu/ucc](http://wiu.edu/ucc)

The University Counseling Center (UCC) provides free and confidential counseling to enrolled students. We are committed to providing comprehensive mental health services that promote the overall wellness and personal growth of our students. We offer a wide range of services to the WIU community that address students' psychological, developmental, interpersonal, and academic concerns. The Center is staffed by licensed mental health professionals who provide ethical, inclusive, culturally sensitive, and progressive treatment options to students working on self-identified goals. We believe in affirming the dignity, worth, and value of all students in our diverse population and strive to create an environment of openness, safety, and respect. More information about the Counseling Center is available online at [wiu.edu/ucc](http://wiu.edu/ucc).

### **Financial Aid**

**Sherman Hall 127; (309) 298-2446**

[wiu.edu/fa](http://wiu.edu/fa)

The Office of Financial Aid administers a variety of student assistance programs, including grants, scholarships, federal work study, tuition grants and waivers, and low interest loan funds. More than 84% of WIU undergraduate students receive financial aid from private, federal, state, or University sources. Additional information about financial assistance and applications are available at [wiu.edu/fa](http://wiu.edu/fa).

### **Go West Transit**

**Macomb Transit Center; (309) 575-3333**

[wiu.edu/gowest](http://wiu.edu/gowest)

Go West Transit provides students with safe, convenient transportation from and around campus and with service to the entire Macomb community. Carrying more than 1 million riders per year, Go West provides students with a reliable, low-cost public transportation system. Maps and schedules are available online at [wiu.edu/gowest](http://wiu.edu/gowest).

### **Gwendolyn Brooks Cultural Center**

**Multicultural Center, Suite 210; (309) 298-2220**

[wiu.edu/gbcc](http://wiu.edu/gbcc)

The Gwendolyn Brooks Cultural Center is named after the first African-American Pulitzer Prize-winning poet and Poet Laureate of Illinois, Gwendolyn Brooks. Founded in 1970, the Gwendolyn Brooks Cultural Center supports all students and promotes student success through cultural awareness, academic achievement, and social advocacy. The Gwendolyn Brooks Cultural Center also provides support services for Black-American, African-American, and Native-African students through educational programs, communal and public dialog, collections, exhibitions, and other initiatives by striving to engage and serve participants of varying ages, interests, and walks of life. Celebrate a wide variety of cultural events like Taste of Africa, Black History Month, and Feel Good Fridays! Visit our space and meet our wonderful team that is committed to your success. Please visit [wiu.edu/gbcc](http://wiu.edu/gbcc) for more information, and follow us on social media!

## **Student Services**

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### **Justice, Inclusion, Diversity and Equity (JIDE)**

**University Union, Suite 110; (309) 298-5179**  
**[wiu.edu/dei](http://wiu.edu/dei)**

The Office of Justice, Inclusion, Diversity and Equity is responsible for strengthening and advancing the University's commitment to being a just, inclusive, diverse, and equitable institution. We engage with the University's students, faculty, staff, and administration to carry out these responsibilities. The JIDE Office works collaboratively with University partners to develop and monitor student and staff diversity strategies. The Office leads and oversees the University's diversity plan; and shapes and implements appropriate strategies, policies, and procedures for creating a campus where individuals are permitted and encouraged to live up to their potential. We create and deliver educational workshops, programming, training, and tools to further support faculty, staff, and students in achieving a greater understanding of issues pertaining to JIDE. Please visit [wiu.edu/dei](http://wiu.edu/dei) for more information, and follow us on social media!

### **LGBT\*QA Resource Center**

**Multicultural Center, Suite 201; (309) 298-4004**  
**[wiu.edu/lgbtqa](http://wiu.edu/lgbtqa)**

The Lesbian, Gay, Bisexual, Trans\*, Queer/Questioning, Asexual/Ally (LGBT\*QA) Resource Center offers a welcoming and inclusive environment for people of all sexualities and gender identities/expressions. The LGBT\*QA Resource Center also serves as connection for LGBT\*QA individuals to resources, support, education, programming, and advocacy. Everyone is welcome to join our student organization Unity and our Queer book club. A gender affirming closet (The Qloset) is also available free of charge. The Big Picture Picnic, Camp OUT, Trans\* Day of Remembrance, Drag Shows, and Pride Month are a few of the great events you can be part of each year. Please visit [wiu.edu/lgbtqa](http://wiu.edu/lgbtqa) for more information, and follow us on social media!

### **Retention Initiatives**

**Sherman Hall 121; (309) 298-2446**  
**[wiu.edu/retention](http://wiu.edu/retention)**

The Office of Retention Initiatives provides mentorship programming resources and early intervention initiatives for students. The Office of Retention Initiatives works closely with the Office of the Provost on the implementation of the First Year Experience program, as well as the Division of Student Services to ensure processes are in place to support students. More can be learned about the Office of Retention Initiatives at [wiu.edu/retention](http://wiu.edu/retention).

### **Student Development and Success Center**

**Memorial Hall 125; (309) 298-1884 (voice), (309) 298-1856 (TTY)**  
**[wiu.edu/sdsc](http://wiu.edu/sdsc)**

The Student Development and Success Center is located in Memorial Hall and combines Disability Resources, Health Education and Wellness, and Student Development into one office that is focused on providing students with the resources to overcome educational challenges.

Western Illinois University is committed to equity, social justice, and diversity. To that end, the **Disability Resource** office collaborates with faculty and staff to facilitate inclusion and ensure accessibility to University programs for students with disabilities. Students experiencing barriers in the academic or physical environment or who are interested in accommodations such as alternative testing arrangements, sign language interpreters, text conversion (i.e., Braille, electronic, enlarged) services,

and note-taking assistance should contact Disability Resources at (309) 298-1884 or [disability@wiu.edu](mailto:disability@wiu.edu).

The **Health Education and Wellness** office contributes to the overall responsibility of Western Illinois University for the education of students in the area of lifestyle and behavior that promotes individual as well as community health. Professional staff, graduate assistants, and student health peer mentors provide a wide variety of wellness outreach programs and services. Outreach programs, as well as individual consultations regarding specific health issues are available to WIU students at no fee.

**Student Development** provides services and support to students as they navigate life in a University setting, with emphasis placed on student success and personal accountability. Services include assistance with absences including military activations, Leatherneck Care Referrals, emergency and crisis follow-up, and student advocacy. Student Development also works with students contemplating a University withdrawal and hears late total University withdrawal appeals for the current term.

### **Student Engagement**

**University Union; (309) 298-3232**

[wiu.edu/student\\_success/ose](http://wiu.edu/student_success/ose)

The Office of Student Engagement, located on the first floor of the University Union, is the primary resource for involvement on campus. Student life at WIU is enriched by involvement in any of the hundreds of campus organizations that meet the diverse, cultural, intellectual, and social interests of students. The Office of Student Engagement provides students with developmental learning experiences while ensuring that a spectrum of programs is provided to enhance the campus community. Opportunities for student involvement include leadership development, volunteer services, student programming, Student Government Association, fraternities and sororities, and 250+ student organizations. Co-curricular activities provide opportunities to develop leadership, organizational, and communication skills, and to meet new people and have some fun.

### **Student Rights and Responsibilities**

**Seal Hall 142; (309) 298-2436**

[wiu.edu/student\\_success/srrri](http://wiu.edu/student_success/srrri)

Student Rights and Responsibilities (SRR) strives to support safe, inclusive, and educational learning environments aiding in student success. SRR informs students and organizations of their rights and responsibilities through publication of the *Code of Student Conduct* and numerous program presentations. Through coordination and management of the conduct review process, Student Rights and Responsibilities endeavors to support Western Illinois University's core values by reinforcing standards of academic excellence, promoting educational opportunities both inside and outside the classroom, enhancing personal growth of community members, and highlighting the importance of social responsibility while protecting student rights and addressing behavioral problems.

### **Transition and Academic Skills Center**

**Memorial Hall 08; (309) 298-1131**

[wiu.edu/TASC](http://wiu.edu/TASC)

The Transition and Academic Skills Center (TASC) focuses on assisting students as they transition to campus and helping them find academic success throughout their time as students. Leatherneck Launch (new student orientation in fall, spring, summer) and Camp Leatherneck are two key programs coordinated from the center to focus on the first steps students take as Leathernecks. TASC also focus on all students' transition to their academic college life by focusing on academic skill development

## **Student Services**

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resources such as Rocky's Resources, the Academic Success Coaching Program, academic skill workshops, and other tutoring support. More can be learned about the Transition and Academic Skills Center at [wiu.edu/TASC](http://wiu.edu/TASC).

### **University Housing and Dining Services**

**Seal Hall; (309) 298-3000**

[wiu.edu/uhds](http://wiu.edu/uhds)

The mission of University Housing and Dining Services is to provide safe, clean, comfortable residence halls and apartment facilities; a nutritious, well-balanced food service program; and programs that support students' academic goals. The University Housing and Dining Services staff provide a wide range of services and programs for students living on campus. A wide variety of options are available to make life in WIU's residence halls a unique educational experience. Living Learning Community floor options include Agriculture, Broadcasting and Journalism, Business Studies, CLASS (Community of Liberal Arts and Sciences Students), Education, Fine Arts, Honors, Public Safety, ROTC (Reserve Officers' Training Corps), STEM (Science, Technology, Engineering, and Mathematics), and Transfer Year Experience. All residence hall rooms have access to the internet through either wireless or LAN connections. WIU offers one-bedroom apartments for graduate and non-traditional students and for students who are married, are in a documented domestic partnership, or have a child. Learn more at [wiu.edu/uhds](http://wiu.edu/uhds).

### **University Union**

**(309) 298-1986**

[wiu.edu/student\\_success/university\\_union](http://wiu.edu/student_success/university_union)

The Western Illinois University Union provides programs, services, and facilities to foster student and community growth and success. The University Union is centrally located and is the community center of the University. Union services available include a food court and convenience store, meeting and banquet rooms, lounge spaces, the University Bookstore, Union Hotel, computer lab, check cashing, cashier services, and WIU ID Card services. In addition, the Union is home to The 'Neck, a student space located on the lower level of the Union. The 'Neck has a pool table, Nintendo Switch video consoles, and large TVs throughout the space. With plenty of seating for everyone, our perfectly stress-free environment is a go-to destination for anyone spending time on WIU's campus. These services and conveniences are desired and needed by the University community in their life on campus and for getting to know and understand one another through informal associations outside the classroom.

### **Veterans Resource Center**

**Wright Residence (333 N. Ward St., Macomb IL); (309) 298-3505**

[wiu.edu/student\\_success/veterans](http://wiu.edu/student_success/veterans)

The Veterans Resource Center, located in the Wright Residence, is committed to assisting those who have served or are currently serving in the U.S. military and their family members. The Center, in collaboration with University departments and community organizations, provides coordinated services and resources in one centralized location to ensure that all veterans and service members are afforded the greatest opportunities for success. The Center staff strive to provide a streamlined approach to helping military personnel, veterans, and their family members with obtaining educational and military transcripts; completing applications for the GI Bill®, Illinois Veterans Grant, Illinois National Guard Grant, Illinois MIA/POW Scholarship, Federal Tuition Assistance, and Federal student aid programs. Individual assistance in additional areas includes, but is not limited to, questions/benefits regarding periods of military activation and deployment; National Guard/Military Reserves drill or training absences; securing appropriate housing accommodations;

requesting military records; and acquiring community living information, outreach services, and health benefits. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>. The Veterans Resource Center may be reached at (309) 298-3505 or [VeteransResources@wiu.edu](mailto:VeteransResources@wiu.edu).

**WIU Harry Mussatto Golf Course**  
**1215 Tower Road, Macomb, IL; (309) 298-3676**  
**[wiu.edu/student\\_services/golf\\_course/](http://wiu.edu/student_services/golf_course/)**

The Harry Mussatto Golf Course is a scenic and challenging 18-hole championship venue featuring beautiful vistas, spectacular elevation changes, four sets of tees, undulating greens, and bentgrass tees and greens. The newly-opened Arthur D. & Roselyn Chown Golf Learning Center offers the latest in golf equipment, apparel, and accessories. The facility also includes a full-service driving range with multiple short game areas and a large putting green. University golf classes, clinics, and individual instruction are also offered to help the golfer get started. WIU students with a valid student ID card are able to walk the course (either 9 holes or 18 holes) at no cost; there is a cost to rent a cart. More information about the course and daily fee rates can be found at [wiu.edu/student\\_services/golf\\_course/](http://wiu.edu/student_services/golf_course/).

**Women's Center**  
**Multicultural Center, Suite 209; (309) 298-2242**  
**[wiu.edu/wc](http://wiu.edu/wc)**

The mission of the Women's Center is to support a welcoming and gender-inclusive campus community. Student development is at the core of our work. We advocate for gender equity through examinations of feminisms, sexism, patriarchy, and misogyny. We lead the campus community in explorations of how gender is a social construction that influences power dynamics and intersects with all other identities, such as, but not limited to: ability, age, citizenship status, ethnicity, race, religion, sex, sexual orientation, and socioeconomic class. We promote opportunities to celebrate women, collaborate in programming and outreach, and seek unity and understanding. Students are encouraged to stop by the Center to hang out between classes and/or to get involved. The Women's Center team advises several student organizations and implements various educational opportunities throughout the year. Our programs, events, and resources are available to all, regardless of gender identity or expression. For additional information, please check out our website at [wiu.edu/wc](http://wiu.edu/wc) and follow us on social media!

## **Administration, Faculty, and Professional Staff**

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# **Trustees and Officers of the University**

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## **Trustees of the University**

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Interim Assistant Vice President for University Communications, Marketing and Media Relations .....	Ms. Alisha A. Looney

# Faculty and Professional Staff

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<b>Aanenson, Marian Ham</b> (2008) Senior Instructor—Biological Sciences M.S.—Western Illinois University (2007)	<b>Anderson, Alyssa J.</b> (2012) Associate Instructor—Sociology and Anthropology M.A.—Western Illinois University (2009)	<b>Bacon, Kevin J.</b> (2002) Professor—Agriculture Ph.D.—Oklahoma State University Main Campus (1995)
<b>Adeleke, Samson Adepoju</b> (1987) Professor—Mathematics and Philosophy Ph.D.—Johns Hopkins University (1978)	<b>Andrango, Graciela C.</b> (2017) Associate Professor—Agriculture Ph.D.—Kansas State University (2016)	<b>Bailey, C. Suzanne</b> (1998) Associate Professor—Law Enforcement and Justice Administration—Quad Cities J.D.—Thomas M. Cooley Law School (1981)
<b>Adkins Covert, Tawnya J.</b> (2000) Professor and Chair—Sociology and Anthropology Ph.D.—Purdue University Main Campus (2001)	<b>Andreev, Fedor</b> (2001) Professor—Mathematics and Philosophy Ph.D.—Russian Academy of Sciences (1997)	<b>Bainter, Tiffany E.</b> (2011) Associate Professor—Psychology Ph.D.—Northcentral University (2018)
<b>Afithile, Meshack</b> (2009) Professor—Biological Sciences Ph.D.—University of Kentucky (2001)	<b>Aouina, Mokhtar</b> (2013) Assistant Professor—Mathematics and Philosophy Ph.D.—Wayne State University (2005)	<b>Baker, Andrew J.</b> (1999) Professor and Director—Agriculture Ph.D.—University of Missouri-Columbia (1996)
<b>Alam, Md Shahin</b> (2023) Assistant Professor—Engineering and Technology Ph.D.—Oakland University (2021)	<b>Araya, Esteban D.</b> (2009) Professor—Physics Ph.D.—New Mexico Institute of Mining and Technology (2008)	<b>Baker-Sperry, Lori</b> (1999) Professor—Race, Religion, Gender, and Multidisciplinary Studies Ph.D.—Purdue University Main Campus (2001)
<b>Albarracin, Julia</b> (2005) Professor—Political Science Ph.D.—University of Florida (2004)	<b>Asare, Edmund</b> (2011) Associate Professor—Foreign Languages and Literatures Ph.D.—Kent State University Main Campus (2011)	<b>Baldi, Gregory</b> (2010) Professor and Chair—Political Science Ph.D.—Georgetown University (2010)
<b>Alexander, Dean C.</b> (2005) Professor—Law Enforcement and Justice Administration L.L.M.—Georgetown University (1991)	<b>Ashe, Whitney E.</b> (2022) Assistant Professor—Music M.M.—University of Illinois at Urbana-Champaign (2017)	<b>Banash, David</b> (2003) Professor—English Ph.D.—University of Iowa (2003)
<b>Alexander-Albritton, Carrie</b> (2008) Professor—Counselor Education and College Student Personnel—Quad Cities Ph.D.—Idaho State University (2008)	<b>Atherton, Daniel L.</b> (2015) Associate Professor—Agriculture Ph.D.—Southern Illinois University (2015)	<b>Baramidze, Gregory T.</b> (2009) Assistant Professor—Computer Sciences Ph.D.—University of Georgia (2017)
<b>Allison, Keri Leann</b> (2011) Academic Advisor—General Studies M.S.—Western Illinois University (2004)	<b>Athiyaman, Adee</b> (2006) Professor—Illinois Institute for Rural Affairs Ph.D.—Hong Kong Polytechnic (1997)	<b>Baramidze, Victoria</b> (2005) Professor and Chair—Mathematics and Philosophy Ph.D.—University of Georgia (2005)
<b>Allison, Marjorie C.</b> (1994) Professor and Chair—English Ph.D.—University of Minnesota-Twin Cities (1994)	<b>Aurand, Michele J.</b> (2021) Academic Advisor—College of Business and Technology M.S.—Western Illinois University (2017)	<b>Barclay, Daniel M.</b> (2010) Assistant Professor—English Ph.D.—University of Minnesota-Twin Cities (2001)
<b>Allwardt, Debra</b> (2006) Associate Professor—Health Sciences and Social Work Ph.D.—University of Nebraska-Lincoln (2008)	<b>Averbeck, Josh M.</b> (2012) Professor—Communication Ph.D.—University of Oklahoma (2011)	<b>Barclay, Kristen K.</b> (2022) Supervision Field Specialist—Office of Teacher Education M.S.Ed.—Western Illinois University (2013)
<b>Alveshere, Andrea J.</b> (2013) Associate Professor—Sociology and Anthropology Ph.D.—University of Minnesota-Twin Cities (2012)	<b>Babin, Jeffrey M.</b> (2017) Associate Professor—Accounting, Finance, Economics, and Decision Sciences Ph.D.—University of Memphis (2017)	<b>Barr, Denny H.</b> (2018) Assistant Professor—Education D.Ed.—University of Pennsylvania (2018)
	<b>Babu, Panakkattu K.</b> (2008) Professor—Physics Ph.D.—Indian Institute of Science (1995)	<b>Barrientos, Audrey R.</b> (2008) Counselor—Undergraduate Admissions M.A.—Wayne State University (2008)

## Faculty and Professional Staff

<b>Bartlett, Cheryl Lynn</b> (2009) Associate Instructor—Nursing M.S.N.—St. Francis College of Nursing (2008)	<b>Bitner, Christopher E.</b> (2017) Associate Professor—Law Enforcement and Justice Administration D.P.A.—University of Illinois-Springfield (2013)	<b>Brice, Lee L.</b> (2003) Professor—History Ph.D.—University of North Carolina at Chapel Hill (2003)
<b>Bean, Matt</b> (2000) Professor—Music D.M.A.—Indiana University at Bloomington (1991)	<b>Blackford, Jason Thomas</b> (2003) Professor—Mathematics and Philosophy Ph.D.—Ohio State University Main Campus (1999)	<b>Brines, Julie Ann</b> (2008) Assistant Professor—Counselor Education and College Student Personnel Ph.D.—Illinois State University (2017)
<b>Beardsley, Ashley</b> (2022) Assistant Professor—English Ph.D.—University of Oklahoma (2022)	<b>Blackinton, Carolyn M.</b> (2001) Professor—Theatre and Dance M.F.A.—Florida State University (1979)	<b>Brokaw, Trey</b> (2021) Head Coach, Track and Field/Cross Country—Intercollegiate Athletics B.S.—Emporia State University (2013)
<b>Beck, Matthew Jon</b> (2014) Associate Professor—Counselor Education and College Student Personnel—Quad Cities Ph.D.—University of Iowa (2017)	<b>Blankenship, Matthew R.</b> (1999) Professor—Psychology Ph.D.—Indiana University at Bloomington (2001)	<b>Brooks, Athena M.</b> (2021) Senior Executive Assistant to the President B.S.—Western Illinois University (2001)
<b>Bellott, Brian J.</b> (2012) Professor—Chemistry Ph.D.—University of Illinois at Urbana-Champaign (2010)	<b>Boeckelman, Keith A.</b> (1998) Professor—Political Science Ph.D.—University of Illinois at Urbana-Champaign (1990)	<b>Brooks, Susan C.</b> (2013) Associate Professor—Mathematics and Philosophy—Quad Cities Ph.D.—University of Iowa (2013)
<b>Bennett, Steven William</b> (1994) Associate Professor—Earth, Atmospheric, and Geographic Information Sciences Ph.D.—Indiana University at Bloomington (1994)	<b>Bogenschneider, Bret</b> (2022) Associate Professor—Accounting, Finance, Economics, and Decision Sciences Ph.D.—University of Vienna (2016)	<b>Broughton, Katherine A.</b> (2015) Associate Professor—Recreation, Park, Tourism, and Hospitality—Quad Cities Ph.D.—University of Illinois at Urbana-Champaign (2012)
<b>Berg, Dustin L.</b> (2022) Director, Radio Development—WIUM B.A.—Western Illinois University (2010)	<b>Bories, Tamara L.</b> (2005) Professor—Kinesiology Ph.D.—University of North Carolina at Greensboro (2004)	<b>Brown, Daniel H.</b> (2010) Associate Professor—Foreign Languages and Literatures Ph.D.—University of California-Los Angeles (2010)
<b>Bergeson, Amanda May</b> (2018) Assistant Director of Development—WQPT Public Television B.S.—Western Illinois University (2005)	<b>Boudreau, Michael Chad</b> (2023) Men's Head Basketball Coach—Intercollegiate Athletics B.S.—Southwest Baptist University (1999)	<b>Brown, Jeffrey</b> (2009) Professor and Director—Music D.M.A.—University of Rochester (2004)
<b>Bernards, Mark L.</b> (2011) Professor—Agriculture Ph.D.—Michigan State University (2004)	<b>Bowers Sharpe, Krista Ann</b> (1997) Associate Professor—Libraries M.A.—Western Illinois University (2004)	<b>Brown-Edwards, Tammie Leigh</b> (2022) Academic Advisor—First Year Advising Center B.A.—Eastern Illinois University (2014)
<b>Bezold, Maureen P.</b> (2010) Associate Professor—Health Sciences and Social Work Ph.D.—Virginia Polytechnic Institute and State University (1997)	<b>Braun, Martin Alexander</b> (2022) Complex Director—University Housing and Dining Services B.S.—Western Illinois University (2021)	<b>Bubb, Paul A.</b> (2018) Director of Athletics—Intercollegiate Athletics M.S.—Western Illinois University (2001)
<b>Bidesshi, Davison</b> (2008) Professor—Sociology and Anthropology Ph.D.—University of California-Riverside (2004)	<b>Brennan, Mary Patrice</b> (2004) Assistant Professor—Accounting, Finance, Economics, and Decision Sciences M.B.A.—Western Illinois University (1998)	<b>Buchanan, Rebekah Joy</b> (2011) Professor—English Ph.D.—Temple University Main Campus (2009)
<b>Biernbaum, John</b> (1994) Associate Vice President—Student Success M.S.Ed.—Eastern Illinois University (1994)	<b>Brewer, Benjamin C.</b> (2016) Instructor—Law Enforcement and Justice Administration M.B.A.—University of Phoenix (2012)	<b>Burke, Amy R.</b> (2010) Senior Instructor—Speech Pathology and Audiology M.S.—Western Illinois University (1990)
<b>Birnbaum, Barry W.</b> (2018) Associate Professor—Education Ed.D.—Nova Southeastern University (1991)		

# Faculty and Professional Staff

---

- Buss, William J.** (2016)  
Instructor—Broadcasting and Journalism  
M.A.—University of Illinois—Springfield (1998)
- Butcher, Jessica J.** (2021)  
Director, Student Life—University Housing and Dining Services  
M.S.—Western Illinois University (1996)
- Butts, Jonathan L.** (2019)  
Instructor—Law Enforcement and Justice Administration  
M.A.—Lincoln Christian University (2018)
- Cabal-Jiménez, Munia** (2009)  
Associate Professor—Foreign Languages and Literatures  
Ph.D.—University of Illinois at Urbana-Champaign (2013)
- Cabedo-Timmons, Guadalupe Maria** (1993)  
Associate Professor—Foreign Languages and Literatures  
Ph.D.—University of Illinois at Urbana-Champaign (2004)
- Cangro, Richard M.** (2008)  
Professor—Music  
Ph.D.—University of Hartford (2004)
- Cardenas-Haro, Jose Antonio** (2020)  
Assistant Professor—Computer Sciences  
Ph.D.—Arizona State University (2010)
- Carpenter, Christopher J.** (2010)  
Professor—Communication  
Ph.D.—Michigan State University (2010)
- Carr, Amy Renee** (2000)  
Professor—Race, Religion, Gender, and Multidisciplinary Studies  
Ph.D.—University of Chicago (2004)
- Cassady, Jill L.** (2003)  
Instructor—Recreation, Park, Tourism, and Hospitality  
M.S.—Eastern Illinois University (2006)
- Cerullo, Cara A.** (2008)  
Director—University Counseling Center  
M.S.W.—University of Iowa (2005)
- Cerullo, Chad** (2006)  
Athletic Trainer—Intercollegiate Athletics  
M.S.—University of Northern Iowa (2006)
- Chadwell, Charles** (2021)  
Assistant Professor—Music  
M.M.—Oklahoma State University (2017)
- Chakravorti, Samit** (2006)  
Associate Professor—Management and Marketing  
Ph.D.—Florida International University (2006)
- Chamberlin, Ute Elisabeth** (2008)  
Associate Professor—History  
Ph.D.—Arizona State University (2007)
- Chang, Gordon C.** (2010)  
Professor—Sociology and Anthropology  
Ph.D.—University of California-San Diego (2008)
- Chapla, Daniel J.** (2019)  
Women's Associate Basketball Coach—Intercollegiate Athletics  
M.S.—University of Central Missouri (2002)
- Chasteen, Terry L.** (2000)  
Professor—Music  
M.M.—Indiana University at Bloomington (1992)
- Chauhan, Haritima Singh** (2018)  
Assistant Professor—Accounting, Finance, Economics, and Decision Sciences  
Ph.D.—Northern Illinois University (2018)
- Cheak, Marie Jaegle** (1999)  
Professor—Education—Quad Cities  
Ph.D.—Southern Illinois University Carbondale (2000)
- Chen, Mai-Lei** (2012)  
Instructor—Chemistry  
Ph.D.—University of Southampton (1994)
- Chiang, Po-Chuan** (2015)  
Staff Accompanist—Music  
M.M.—Boston Conservatory (2009)
- Chin, Hong-Da** (2018)  
Assistant Professor—Music  
D.A.—Bowling Green State University (2017)
- Chinen, Paul A.** (2022)  
Assistant Professor—Music  
D.M.A.—University of Miami (2019)
- Choi, Jongnam** (2001)  
Professor—Earth, Atmospheric, and Geographic Information Sciences  
Ph.D.—University of Georgia (2001)
- Choi, Young Gin** (2017)  
Associate Professor—Recreation, Park, Tourism, and Hospitality  
Ph.D.—Kansas State University (2013)
- Chowdhury, Mohammed** (2022)  
Assistant Professor—Accounting, Finance, Economics, and Decision Sciences  
Ph.D.—George Washington University (2014)
- Clark, Brian F.** (2003)  
Professor—Libraries  
M.L.S.—Indiana University at Bloomington (2003)
- Clayton, Terry William** (2002)  
Senior Instructor—Computer Sciences—Quad Cities  
M.S.—Marycrest International University (1991)
- Clemens, Curtis** (2022)  
Instructor—Recreation, Park, Tourism, and Hospitality  
B.S.—Winona State University (2002)
- Clough, Janece B.** (1991)  
Professor—Art and Design  
M.F.A.—University of Wisconsin-Madison (1990)
- Clow, William T.** (2012)  
Dean—College of Fine Arts and Communication  
Professor—Theatre and Dance  
M.F.A.—Illinois State University (1989)
- Cody, Thomas J.** (1995)  
Professor—Education  
Ph.D.—Southern Illinois University Carbondale (1995)
- Coeur, Vivian J.** (2007)  
AOD Counseling Specialist—Beu Health Center  
M.S.Ed.—Western Illinois University (1986)
- Cole, Merrill** (2007)  
Professor—English  
Ph.D.—University of Washington (1999)
- Cole, Peter** (2000)  
Professor—History  
Ph.D.—Georgetown University (1997)

## Faculty and Professional Staff

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<b>Comrie, Angela D.</b> (2007) Academic Advisor—General Studies M.S.Ed.—Illinois State University (2005)	<b>Curless, Julie L.</b> (2018) Instructor—Speech Pathology and Audiology M.S.—Eastern Illinois University (2009)	<b>Delany-Barmann, Gloria A.</b> (1997) Professor—Education D.Ed.—Northern Arizona University (1997)
<b>Conner, Jason A.</b> (2001) Associate Professor—Theatre and Dance M.F.A.—Western Illinois University (1998)	<b>Curry, Jeremy L.</b> (2022) Assistant Football Coach—Intercollegiate Athletics B.A.—Western Illinois University (2014)	<b>Denecke, Patrick</b> (2023) Assistant Football Coach—Intercollegiate Athletics M.A.—University of Nevada-Reno (2015)
<b>Conrad, Craig A.</b> (2001) Dean—College of Business and Technology Professor—Management and Marketing D.B.A.—Louisiana Tech University (1994)	<b>Czechowski, Susan Ann</b> (2001) Professor—Art and Design M.F.A.—Syracuse University Main Campus (2002)	<b>Deng, Grace Yanrong</b> (2006) Instructor—Computer Sciences M.S.—Western Illinois University (2006)
<b>Cooper, Alfonzo, Jr.</b> (2022) Assistant Professor—Music D.M.A.—University of Nebraska-Lincoln (2020)	<b>Dace, Marsha J.</b> (2006) Counselor—University Counseling Center M.S.Ed.—Western Illinois University (1991)	<b>Deng, Yongxin</b> (2005) Professor—Earth, Atmospheric, and Geographic Information Sciences Ph.D.—University of Southern California (2005)
<b>Cooper, Ramessa L.</b> (2018) Professor—Biological Sciences Ph.D.—University of Alberta (2001)	<b>Dadelo, Cynthia</b> (2006) Academic Advisor—Health Sciences and Social Work M.S.W.—University of Illinois at Urbana-Champaign (2003)	<b>Determan, John J.</b> (2014) Assistant Professor—Chemistry Ph.D.—University of North Texas (2011)
<b>Coover, Denise N.</b> (2017) Instructor—Music M.M.—Colorado State University (2014)	<b>Daly, Kassandra J.</b> (2010) Associate Director—Undergraduate Admissions—Quad Cities M.Ed.—University of Illinois at Urbana-Champaign (2009)	<b>DeVolder, Dennis M.</b> (1996) Professor and Director—Computer Sciences Ph.D.—Florida State University (1996)
<b>Cordes, Christopher Sean</b> (2007) Professor—University Libraries Ph.D.—Iowa State University (2013)	<b>Daugherty, Glenn R.</b> (2014) Assistant Professor—Law Enforcement and Justice Administration D.Ed.—University of Phoenix (2017)	<b>Di Carmine, Roberta</b> (2006) Professor—English Ph.D.—University of Oregon Main Campus (2004)
<b>Covert, Jason Stanley</b> (2003) Senior Instructor—Computer Sciences M.S.—Western Illinois University (2005)	<b>Davis, Christina</b> (2012) Professor—Sociology and Anthropology Ph.D.—University of Michigan—Ann Arbor (2011)	<b>Dierenfield, Grace Marie</b> (2021) Athletic Trainer—Intercollegiate Athletics M.A.—University of South Dakota (2020)
<b>Cox, Julie L.</b> (2012) Assistant Professor—Speech Pathology and Audiology Ph.D.—Western Michigan University (2018)	<b>Davis, Tracy L.</b> (1998) Professor—Education—Quad Cities Ph.D.—University of Iowa (1997)	<b>Dimitrov, Rumen D.</b> (2003) Professor—Mathematics and Philosophy Ph.D.—George Washington University (2002)
<b>Crayton, Frank Tommy Leon</b> (2023) Assistant Football Coach—Intercollegiate Athletics	<b>Day, Jonathan P.</b> (2010) Professor—Political Science Ph.D.—University of Iowa (2010)	<b>Doh, Minsun</b> (2006) Professor—Recreation, Park, Tourism, and Hospitality Ph.D.—Texas A&M University Main Campus (2006)
<b>Creasey, Susan Rene</b> (2001) Assistant Professor—Management and Marketing M.B.A.—Western Illinois University (1992)	<b>Daytner, Gary Thomas</b> (2001) Associate Professor—Education Ph.D.—Indiana University at Bloomington (2005)	<b>Donahoo, Andrew Mark</b> (2015) Director, Foundation Communications/Donor Stewards—Foundation and Development Office M.S.—Western Illinois University (2011)
<b>Crosby, Amy L.</b> (2009) Director of Development—College of Arts and Sciences M.S.—Western Illinois University (2017)	<b>Daytner, Katrina M.</b> (2001) Associate Dean—College of Education and Human Services Interim Chair—Health Sciences and Social Work Professor—Education Ph.D.—Indiana University at Bloomington (2003)	<b>Dorsett, Stephanie</b> (1996) Academic Advisor—Office of Teacher Education B.A.—Western Illinois University (1989)
<b>Cruise, Tracy K.</b> (1998) Professor—Psychology Ph.D.—Illinois State University (1998)		

# Faculty and Professional Staff

---

- Downs, Lisa M.** (2020)  
Instructor—Nursing  
D.N.P.—Southern Illinois University Edwardsville (2013)
- Dowty, Shane** (2023)  
Assistant Football Coach—Intercollegiate Athletics  
M.Ed.—Iowa State University (2016)
- Drury, Todd** (2022)  
Assistant Football Coach—Intercollegiate Athletics  
M.Ed.—Evangel University (2015)
- Du Plessis, Andries Johannes Stephä** (2022)  
Instructor—Management and Marketing  
M.B.A.—North-West University Potchefstroom (2003)
- Dunkel, Curtis** (2007)  
Professor—Psychology  
Ph.D.—University of Nebraska-Lincoln (2002)
- Dunlap, Isaac Hunter** (1997)  
Professor—Libraries  
M.L.I.S.—University of North Carolina-Greensboro (1996)
- Duval, Elizabeth L.** (2018)  
General Counsel Attorney—Legal Services  
J.D.—Valparaiso University (2004)
- Ealy, Clifton F.** (2007)  
Professor—Mathematics and Philosophy  
Ph.D.—University of California-Berkeley (2004)
- Eathington, Patricia K.** (2009)  
Associate Professor and Interim Director—Nursing  
D.N.P.—University of Illinois at Chicago (2013)
- Eck, Shelby R.** (2013)  
Development Research Analyst Specialist—Foundation and Development Office  
M.A.—Ashford University (2008)
- Eggleston, Julie A.** (2017)  
Instructor—Recreation, Park, Tourism, and Hospitality  
M.S.—Western Illinois University (2008)
- Ekanayake, Amy J.** (2009)  
Professor—Mathematics and Philosophy  
Ph.D.—Texas Tech University (2009)
- Ekanayake Dinesh B.** (2009)  
Professor—Mathematics and Philosophy  
Ph.D.—Texas Tech University (2009)
- Ekici, Niyazi** (2018)  
Associate Professor—Law Enforcement and Justice Administration  
Ph.D.—Rutgers University-Camden (2009)
- Elbe, Heidi L.** (2016)  
Instructor—Speech Pathology and Audiology  
M.S.—Western Illinois University (2003)
- Ellefritz, Benjamin R.** (2019)  
Supervision Field Specialist—Office of Teacher Education  
M.S.Ed.—Western Illinois University (2005)
- Engel, Jeffrey E.** (2000)  
Associate Professor—Biological Sciences  
Ph.D.—University of Iowa (1995)
- Eskridge, Monica J.** (2000)  
Academic Advisor—Office of Teacher Education  
M.S.—Western Illinois University (2009)
- Fansler, Michael J.** (2001)  
Professor—Music  
D.M.Ed.—University of Illinois at Urbana-Champaign (2009)
- Farmer, Megan** (2022)  
Associate Director—Undergraduate Admissions  
M.L.S.—Texas Woman's University (2020)
- Feld, Tara Nussman** (1998)  
Associate Dean—College of Business and Technology  
Associate Professor—Accounting, Finance, Economics, and Decision Sciences  
Ph.D.—University of South Carolina (1998)
- Fietterer, Taylor** (2021)  
Counselor—Undergraduate Admissions  
M.S.—Eastern Illinois University (2015)
- Filipink, Richard M.** (2006)  
Professor—History  
Ph.D.—State University of New York at Buffalo (2004)
- Finch, Redina Lee** (2005)  
Professor—Earth, Atmospheric, and Geographic Information Sciences  
Ph.D.—University of Illinois at Urbana-Champaign (2003)
- Fisler, Leigh Ann** (2021)  
Associate Professor—Psychology  
Ph.D.—University of California-Riverside (2014)
- Ford, Amy M.** (2006)  
Senior Instructor—Accounting, Finance, Economics, and Decision Sciences  
M.Acct.—Western Illinois University (2002)
- Foulk, Stephanie S.** (2010)  
Assistant Director of Development—WIUM  
M.A.—Western Illinois University (2003)
- Fox, Kaila R.** (2015)  
Associate Instructor—Nursing  
M.S.N.—Olivet Nazarene University (2015)
- Fox, Lysa** (2012)  
Associate Professor—Theatre and Dance  
M.F.A.—California State University-Long Beach (2010)
- Franken, Jason R.** (2011)  
Professor—Agriculture  
Ph.D.—University of Illinois at Urbana-Champaign (2008)
- Frederick, Ashley N.** (2021)  
Instructor—Nursing  
M.S.N.—St. Francis College of Nursing (2020)
- Freed, Douglas A.** (2019)  
Director—Undergraduate Admissions  
M.A.—Wayne State University (1994)
- Gabbei, Ritchie C.** (1999)  
Professor—Kinesiology  
Ph.D.—University of South Carolina (2002)
- Gage, Jeanne C.** (2005)  
Academic Advisor—Centennial Honors College  
M.S.Ed.—Northern Illinois University (2000)
- Gardner, Jena E.** (2018)  
Assistant Professor—Music  
D.M.A.—Northwestern University (2018)
- Gates, Janice S.** (1997)  
Senior Instructor—Management and Marketing  
M.B.A.—Western Illinois University (1992)
- George, Binto** (1999)  
Professor—Computer Sciences  
Ph.D.—Indian Institute of Science (1999)

## Faculty and Professional Staff

- George, Sunita** (2009)  
Professor—Earth, Atmospheric, and Geographic Information Sciences  
Ph.D.—University of Georgia (1999)
- Ghimire, Sanjeeta** (2021)  
Assistant Professor—Engineering and Technology  
Ph.D.—University of Illinois at Chicago (2020)
- Ghimire, Shankar P.** (2015)  
Associate Professor—Accounting, Finance, Economics, and Decision Sciences  
Ph.D.—Western Michigan University (2013)
- Ginsberg, Eric L.** (1996)  
Professor—Music  
M.M.—The Juilliard School (1974)
- Glean, Roland Anthony** (2020)  
Associate Vice President—Global Studies  
D.P.S.—Washington University-St. Louis (1997)
- Gloviczki, Peter Joseph** (2022)  
Professor and Chair—Broadcasting and Journalism  
Ph.D.—University of Minnesota-Twin Cities (2012)
- Go, Eun** (2015)  
Associate Professor—Broadcasting and Journalism  
Ph.D.—Pennsylvania State University Main Campus (2015)
- Goler, Alisa H.** (2020)  
Head Softball Coach—Intercollegiate Athletics  
M.Ed.—University of Georgia (2012)
- Gomez, Anthony** (2022)  
Counselor—Undergraduate Admissions  
B.S.—Western Illinois University (2022)
- Gravina, James D.** (2011)  
Head Women's Basketball Coach—Intercollegiate Athletics  
M.S.—Emporia State University (2007)
- Gravitt, Denise D.** (2010)  
Professor—Engineering and Technology  
Ph.D.—Indiana State University (2004)
- Gray, Stephen S.** (2000)  
Associate Professor—Accounting, Finance, Economics, and Decision Sciences  
D.B.A.—University of Wisconsin-Whitewater (2017)
- Grimm, Jennifer K.** (2004)  
Academic Advisor—Communication  
M.S.—Western Illinois University (1999)
- Gruber, Joel** (2007)  
Professor—Agriculture  
Ph.D.—North Carolina State University (2008)
- Gupta, Aastha** (2022)  
Assistant Professor—Accounting, Finance, Economics, and Decision Sciences  
Ph.D.—Southern Methodist University (2022)
- Hall, Brittany S.** (2022)  
Academic Advisor—First Year Advising Center  
M.S.Ed.—Northern Illinois University (2018)
- Hall, Greg D.** (2003)  
Professor—History  
Ph.D.—Washington State University (1999)
- Hall, Kevin W.** (1995)  
Professor—Engineering and Technology  
Ed.D.—Illinois State University (2005)
- Hallinan, Timothy P.** (2008)  
Assistant Director, Development—Foundation and Development Office  
B.A.—Western Illinois University (1995)
- Hammersley, Jonathan J.** (2012)  
Professor—Psychology  
Ph.D.—Southern Illinois University Carbondale (2010)
- Hamner, Everett** (2008)  
Professor—English—Quad Cities  
Ph.D.—University of Iowa (2008)
- Hancks, Jeffrey L.** (2005)  
Professor—Libraries  
Ed.D.—Northern Illinois University (2011)
- Hansen, Elizabeth Ann** (2006)  
Associate Professor—Mathematics and Philosophy  
Ph.D.—University of Iowa (2006)
- Hanson, Daniel H.** (2009)  
Instructor—Engineering and Technology  
Ph.D.—University of Iowa (2004)
- Harbke, Colin R.** (2006)  
Professor—Psychology—Quad Cities  
Ph.D.—Washington State University (2007)
- Hardeman, Anita** (2012)  
Associate Professor—Music  
Ph.D.—University of Western Ontario (2010)
- Harden, Laura B.** (2016)  
Instructor—Nursing  
M.S.N.—Lewis University (2016)
- Hardin, Gregory** (2023)  
Assistant Football Coach—Intercollegiate Athletics
- Hardy, Richard J.** (2006)  
Professor—Political Science  
Ph.D.—University of Iowa (1978)
- Hartnett, Amelia Fay** (2009)  
Director, Talent Acquisition—Human Resources  
M.L.A.S.—Western Illinois University (2012)
- Hartnett, Niall Denis** (2008)  
Academic Advisor—College of Arts and Sciences  
M.S.Ed.—Indiana University at Bloomington (2001)
- Hartweg, Kimberly Kay** (1997)  
Professor—Mathematics and Philosophy  
Ph.D.—University of Iowa (2001)
- Hasebe, Yuko** (2001)  
Professor—Education  
Ph.D.—University of Illinois at Chicago (2000)
- Haverkamp, Rowan Paige** (2021)  
Athletic Trainer—Intercollegiate Athletics  
B.S.—University of Iowa (2020)
- Hawkins, Jason A.** (2017)  
Associate Professor—Music  
Ph.D.—University of Illinois at Urbana-Champaign (2018)
- Haynes, Sarah** (2007)  
Professor—Race, Religion, Gender, and Multidisciplinary Studies  
Ph.D.—University of Calgary (2006)
- Heikkinen, Kyle W.** (2020)  
Men's Associate Basketball Coach—Intercollegiate Athletics  
B.S.Ed.—University of Wisconsin-Whitewater (2017)
- Hemenover, Scott H.** (2006)  
Professor—Psychology  
Ph.D.—University of Nebraska-Lincoln (1998)

# Faculty and Professional Staff

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- Hemphill, Hoyet H.** (2002)  
Professor—Engineering and Technology  
Ph.D.—Utah State University (1996)
- Hemphill, Leaunda S.** (2003)  
Professor—Engineering and Technology  
Ph.D.—Utah State University (2000)
- Hendrickson, Hannah** (2022)  
Academic Advisor—Intercollegiate Athletics  
B.A.—Wichita State University (2013)
- Hendrickson, Myers** (2021)  
Head Football Coach—Intercollegiate Athletics  
M.B.A.—Kansas Wesleyan University (2015)
- Henning, Joseph E.** (2013)  
Assistant Professor—Law Enforcement and Justice Administration  
M.S.—Benedictine University (2006)
- Henning, Shelby** (2017)  
Assistant Professor—Agriculture  
Ph.D.—University of Illinois at Urbana-Champaign (2012)
- Henning, Tyler** (2006)  
Director—University Art Gallery  
M.F.A.—Northern Illinois University (2002)
- Hill, Sarah Lynn** (2012)  
Associate Instructor—Communication  
M.A.—Western Illinois University (2011)
- Hironimus-Wendt, Robert J.** (2005)  
Professor—Sociology and Anthropology  
Ph.D.—North Carolina State University (1997)
- Hoge, Mark D.** (2003)  
Associate Professor—Agriculture  
Ph.D.—Michigan State University (2009)
- Holt, Scott Michael** (1997)  
Professor—Biological Sciences  
Ph.D.—Iowa State University (1993)
- Holz, David Keith** (2004)  
Professor—Art and Design  
Ph.D.—Northwestern University (1992)
- Hopkins, Collin M.** (2020)  
Assistant Softball Coach—Intercollegiate Athletics  
M.S.—University of Louisiana at Lafayette (2020)
- Hotz, Heather F.** (2018)  
Director—Illinois Law Enforcement Training and Standards Board Executive Institute  
M.A.—Western Illinois University (2005)
- House, Steven P.** (2016)  
Associate Professor—Theatre and Dance  
M.F.A.—Illinois State University (2011)
- Howard, William R.** (2000)  
Professor—Art and Design  
M.F.A.—Colorado State University (1998)
- Howe, Michelle Christine** (2018)  
Instructor—Management and Marketing  
M.S.—Western Illinois University (2011)
- Hsu, Yu-Ping** (2018)  
Assistant Professor—Engineering and Technology  
Ph.D.—University of Kansas (2014)
- Huang, Guiyou** (2021)  
President  
Professor—English  
Ph.D.—Texas A&M University Main Campus (1993)
- Huang, Jenq-Kuen** (1990)  
Professor—Chemistry  
Ph.D.—Kansas State University (1985)
- Huerta, Miguel** (2023)  
Director—First Year Advising Center  
M.S.—California State University Fullerton (2017)
- Hughes, Matthew T.** (2011)  
Associate Professor—Music  
M.M.—Western Michigan University (1995)
- Hum, Sue M.** (2004)  
Professor—Biological Sciences  
Ph.D.—University of Arkansas Fayetteville (2002)
- Humphrey, Suzanne** (2007)  
Associate Instructor—Management and Marketing—Quad Cities  
M.B.A.—St. Ambrose University (1991)
- Hunt, Ryan J.** (1999)  
Associate Professor—Management and Marketing  
J.D.—Drake University (1996)
- Hunter, Garrett D.** (1996)  
Professor—Engineering and Technology  
Ph.D.—Purdue University Main Campus (1994)
- Hunter, Sharon L.** (2010)  
Counselor—Undergraduate Admissions  
M.L.A.S.—Western Illinois University (2013)
- Huntley, Andrea** (2022)  
Counselor—Undergraduate Admissions  
B.M.Ed.—Wartburg College (2019)
- Hyde, Andrea M.** (2008)  
Professor—Education—Quad Cities  
Ph.D.—University of Pittsburgh (2007)
- Hyden, Shawn T.** (2023)  
Admissions Counselor—Graduate Studies  
M.A.P.—University of Akron Main Campus (2009)
- Hyllegard, W. Randal, II** (1996)  
Professor and Interim Chair—Kinesiology  
Ph.D.—Oregon State University (1987)
- Intriери, Paige Goodwin** (1996)  
Associate Professor—Psychology  
Ph.D.—Pennsylvania State University Main Campus (1995)
- Intriери, Robert C.** (1998)  
Professor—Psychology  
Ph.D.—University of Southern Mississippi (1987)
- James, Anna Lee** (2015)  
Academic Advisor—First Year Advising Center  
M.B.A.—Western Illinois University (2011)
- Jenkins, Sean E.** (2000)  
Professor—Biological Sciences  
Ph.D.—University of Missouri-Columbia (1997)
- Jin, Jin** (2009)  
Professor—Chemistry  
Ph.D.—State University of New York at Albany (2006)
- Johnson, David Thomas** (2022)  
Assistant Professor—English  
Ph.D.—Ohio University Main Campus (2020)
- Johnson, Eric Paul** (1997)  
Head Men's Soccer Coach—Intercollegiate Athletics  
Ph.D.—University of New Mexico Main Campus (1995)

## Faculty and Professional Staff

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<b>Johnson, Jamie Lee</b> (2002) Professor—Law Enforcement and Justice Administration Ph.D.—Southern Illinois University Carbondale (2002)	<b>Kelly, Kristine M.</b> (1997) Professor—Psychology Ph.D.—University of Tennessee, Knoxville (1999)	<b>Konitzer, Paige L.</b> (2021) Academic Advisor—College of Education and Human Services M.S.—University of Wisconsin-Milwaukee (2019)
<b>Johnson, Timothy</b> (2011) Academic Advisor—First Year Advising Center M.S.—Western Illinois University (2009)	<b>Kelly, Robert Francis</b> (2019) Assistant Professor—Law Enforcement and Justice Administration J.D.—Widener University (2005)	<b>Koo, Wanmo</b> (2014) Associate Professor—Management and Marketing Ph.D.—University of Tennessee, Knoxville (2014)
<b>Jones, Jennifer D.</b> (2006) Professor—Music Ph.D.—Florida State University (2006)	<b>Killian, Tammy L.</b> (2014) Professor and Chair—Theatre and Dance M.F.A.—Florida Atlantic University (1999)	<b>Kovacs, Christopher R.</b> (2005) Professor—Kinesiology Ph.D.—University of North Carolina at Greensboro (2001)
<b>Jorgensen, Peter</b> (1994) Professor and Chair—Communication Ph.D.—University of Arizona (2000)	<b>Kim, Seongchan</b> (2007) Professor—Engineering and Technology Ph.D.—Texas A&M University Main Campus (2006)	<b>Kozhukhova, Yekaterina</b> (2019) Instructor—English M.A.—Western Illinois University (2021)
<b>Kain, Gregory</b> (2022) CIO and Executive Director—University Technology M.B.A.—Governors State University (2009)	<b>Kim, Yeongkwan</b> (2001) Professor—Computer Sciences Ph.D.—Illinois Institute of Technology (1996)	<b>Kreczmer, Brandon J.</b> (2022) Assistant Football Coach—Intercollegiate Athletics M.S.—Western Illinois University (2012)
<b>Kamminga-Peck, Hadley</b> (2018) Assistant Professor—Theatre and Dance Ph.D.—University of Colorado at Boulder (2015)	<b>Kincaid, Danielle</b> (2022) Counselor—Undergraduate Admissions B.A.—Jackson State University (2020)	<b>Ku, Ta-Teh</b> (2008) Associate Professor—Art and Design Ph.D.—Indiana University at Bloomington (2009)
<b>Kanauss, Lorri</b> (2002) Professor—Kinesiology Ph.D.—Walden University (2012)	<b>King, Brian G.</b> (2021) Instructor—Nursing D.N.P.—Marquette University (2016)	<b>Kurasz, Richard M.</b> (2002) Associate Dean—College of Fine Arts and Communication Professor—Music D.M.A.—University of Illinois at Urbana-Champaign (2007)
<b>Kapale, Kishor T.</b> (2007) Professor and Chair—Physics Ph.D.—Texas A&M University Main Campus (2002)	<b>Kiyani, Ghashia Obed</b> (2022) Instructor—Political Science Ph.D.—Kansas State University (2021)	<b>La Prad, James Gerard</b> (2003) Professor and Director—Education Ph.D.—University of Virginia (2005)
<b>Kastel, Jade M.</b> (2021) Assistant Professor—Libraries M.A.—University of South Florida (2020)	<b>Kline, Angela D.</b> (2011) Senior Instructor—Mathematics and Philosophy M.S.—Western Illinois University (2010)	<b>LaFlam, Richard Jeffrey</b> (2006) Senior Instructor—Computer Sciences M.S.—Western Illinois University (2006)
<b>Katz, Ashley E.</b> (2021) Director—University Union M.S.—Western Illinois University (2006)	<b>Klingler, Samantha J.</b> (2020) Director—Student Development and Success Center M.S.Ed.—Western Illinois University (2013)	<b>LaFountain, Douglas</b> (2012) Professor—Mathematics and Philosophy Ph.D.—State University of New York at Buffalo (2010)
<b>Kavanagh, Kristen</b> (2022) Instructor—Theatre and Dance M.F.A.—University of Arizona (2021)	<b>Knavel, Jenny M.</b> (1999) Professor—Art and Design M.F.A.—University of Wisconsin-Madison (1997)	<b>LaFrance, T. Casey</b> (2009) Professor—Political Science Ph.D.—Northern Illinois University (2009)
<b>Keefe, Kristy</b> (2012) Associate Professor—Psychology Doctorate—University of Indianapolis (2007)	<b>Knox, William L.</b> (2006) Professor—English Ph.D.—University of Michigan—Ann Arbor (1987)	<b>Land, Anneliese</b> (2020) Recruitment Coordinator—Music B.M.—University of Cincinnati Main Campus (2019)
<b>Keeran, Michael</b> (2022) Assistant Baseball Coach—Intercollegiate Athletics M.A.—Waldorf University (2019)	<b>Knupp, Jana M.</b> (2014) Instructor—Agriculture M.B.A.—Western Illinois University (2004)	<b>Land, James W.</b> (2019) Assistant Professor—Music D.M.A.—University of Memphis (2019)
<b>Keithley, Ember L.</b> (2000) Academic Advisor—College of Business and Technology M.B.A.—Western Illinois University (2001)	<b>Ko, Suyeon</b> (2020) Assistant Professor—Music D.M.—Indiana University at Bloomington (2019)	

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<b>Ladowski, Natalie K.</b> (2019) Assistant Professor—Music D.M.A.—University of Iowa (2018)	<b>Leonard, David W.</b> (2014) Associate Instructor— Engineering and Technology M.S.—Western Illinois University (2003)	<b>Lough, Todd Allen</b> (2007) Professor—Law Enforcement and Justice Administration Ph.D.—Loyola University Chicago (1998)
<b>Lane, David J.</b> (2003) Professor and Chair—Psychology Ph.D.—Iowa State University (2004)	<b>Lewis, Adam</b> (2011) Assistant Professor—Theatre and Dance M.F.A.—Western Illinois University (1998)	<b>Lu, Lu</b> (2022) Assistant Professor— Accounting, Finance, Economics, and Decision Sciences Ph.D.—Temple University Main Campus (2022)
<b>Laney, Donald J.</b> (2020) Assistant Professor—Theatre and Dance M.F.A.—University of California- Irvine (2004)	<b>Lidaywa, Lora Jean</b> (2021) Director—Purchasing B.S.—University of Illinois at Urbana-Champaign (1998)	<b>Ludlum, Lisa L.</b> (2010) Associate Instructor— Accounting, Finance, Economics, and Decision Sciences M.Acct.—Western Illinois University (1995)
<b>Lauer, Maceio Ilon</b> (2002) Professor—Communication Ph.D.—University of Georgia (2007)	<b>Lin, Jessica L.</b> (2009) Professor and Director— Accounting, Finance, Economics, and Decision Sciences Ph.D.—State University of New York at Binghamton (2010)	<b>Lukkarinen, Lia B.</b> (2005) Director, Golf Operations— Intercollegiate Athletics M.S.—Western Illinois University (2015)
<b>Lawhorn, Barbara C.</b> (2009) Associate Professor—English M.F.A.—Purdue University Main Campus (2000)	<b>Lindemann, Dana F.</b> (2006) Professor—Psychology—Quad Cities Ph.D.—Washington State University (2003)	<b>Lukkarinen, Michael D.</b> (2005) Professor and Chair— Recreation, Park, Tourism, and Hospitality Ph.D.—University of Illinois at Urbana-Champaign (2008)
<b>Lawson, Raymond L.</b> (2021) Director—Distance Education and Support Ed.D.—Northern Illinois University (2010)	<b>Lindquist, Sherry</b> (2012) Professor—Art and Design Ph.D.—Northwestern University (1995)	<b>Lung, Heidi K.</b> (2022) Associate Professor and Director—Museum Studies— Quad Cities Ph.D.—University of Missouri-St. Louis (2013)
<b>Lawson, Sarah Marie</b> (2002) Registrar M.S.—Western Illinois University (2007)	<b>Litchfield, Lisa A.</b> (2018) Coordinator, Field and Clinical Experiences—Office of Teacher Education M.S.—Western Illinois University (2014)	<b>Lynne, Jonathan D.</b> (2021) Professor—Management and Marketing Ph.D.—York University (1997)
<b>Lee, Bob Young</b> (2012) Associate Professor—Education Ph.D.—University of Georgia (2012)	<b>Little, Tonya</b> (2018) Instructor—Communication M.A.—Western Illinois University (1994)	<b>Lytle, Sara M.</b> (2005) Director—College of Business and Technology Academic Advising Center M.S.—Western Illinois University (2002)
<b>Lee, Byoung J.</b> (2000) Professor—Computer Sciences Ph.D.—University of Iowa (2001)	<b>Livingston, Victoria Jean</b> (2010) Associate Instructor—Biological Sciences M.S.—Western Illinois University (2008)	<b>Macchi, Stacey M.</b> (2004) Assistant Professor— Communication M.A.—Western Illinois University (2003)
<b>Lee, Hongbok</b> (2002) Professor—Accounting, Finance, Economics, and Decision Sciences Ph.D.—University of Missouri- Columbia (2002)	<b>Locke, Brian Stuart</b> (2006) Professor—Music Ph.D.—State University of New York at Stony Brook (2002)	<b>Madegowda, Bharathi</b> (2012) Associate Instructor—Nursing M.S.N.—University of Illinois at Chicago (2007)
<b>Lee, In</b> (2001) Professor—Computer Sciences Ph.D.—University of Illinois at Urbana-Champaign (1998)	<b>Londot, Alyson A.</b> (2022) Assistant Volleyball Coach— Intercollegiate Athletics B.A.—Robert Morris College (2021)	<b>Malachuck, Daniel S.</b> (2007) Professor—English—Quad Cities Ph.D.—Rutgers University-New Brunswick Campus (1996)
<b>Lee, Jongho</b> (2005) Professor—Political Science Ph.D.—University of Texas at Austin (2000)	<b>Lorenzen, Michael G.</b> (2013) Professor—Libraries D.Ed.—Central Michigan University (2009)	<b>Mallur, Saisudha B.</b> (2008) Professor—Physics Ph.D.—Indian Institute of Science (1996)
<b>Lee, Kenneth</b> (2020) Assistant Professor—Music D.M.A.—New England Conservatory of Music (2019)	<b>Louck Davis, Amy S.</b> (2019) Instructor—Psychology Psy.D.—Wright State University (2006)	
<b>Leff, Laurence L.</b> (1990) Associate Professor—Computer Sciences Ph.D.—Southern Methodist University (1989)		

## Faculty and Professional Staff

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- Man, Kasing** (2006)  
Professor—Accounting, Finance,  
Economics, and Decision  
Sciences  
Ph.D.—University of Chicago  
(1996)
- Mangalaraj, George** (2006)  
Professor—Computer Sciences  
Ph.D.—University of Texas at  
Arlington (2006)
- Mann, Robert Ronald** (2000)  
Associate Professor—  
Mathematics and Philosophy  
Ph.D.—University of Nebraska-  
Lincoln (2000)
- Mannion, Elgin** (2004)  
Professor—Sociology and  
Anthropology  
Ph.D.—University of Kentucky  
(2003)
- Mansfield, Eric Alan** (1998)  
Professor—Education  
Ph.D.—University of Northern  
Colorado (1997)
- Marchand, Hal** (2004)  
Associate Professor—Health  
Sciences and Social Work  
Ph.D.—University of New Mexico  
Main Campus (2001)
- Martin, Angi Lynn** (2016)  
Assistant Professor—Speech  
Pathology and Audiology  
D.Ed.—Illinois State University  
(2018)
- Martin, Jessica M.** (2020)  
Assistant Professor—  
Broadcasting and Journalism  
Ph.D.—Capella University (2018)
- Martinelli-Fernandez, Susan**  
(1993)  
Dean—College of Arts and  
Sciences  
Professor—Mathematics and  
Philosophy  
Ph.D.—University of Chicago  
(1993)
- Maskarinec, Martin J.** (2001)  
Professor—Computer Sciences  
Ph.D.—Northwestern University  
(1989)
- Mason, Hollie** (2022)  
Assistant Professor—Education  
M.Ed.—University of North  
Carolina-Greensboro (2013)
- Mayborn, Kyle Richard** (2000)  
Professor—Earth, Atmospheric,  
and Geographic Information  
Sciences  
Ph.D.—University of California-  
Davis (2000)
- Maymi-Sugrane, Hector J.**  
(2022)  
Professor and Dean—Libraries  
Ph.D.—University of Wisconsin-  
Madison (1996)
- McArthur, Damon** (2003)  
Professor—Art and Design  
M.F.A.—American University  
(2000)
- McBride, Anthony** (2009)  
Associate Professor—Law  
Enforcement and Justice  
Administration  
Ed.D.—Duquesne University  
(2004)
- McClanahan-Simmons, Angela**  
J. (2021)  
Assistant Professor—Museum  
Studies—Quad Cities  
Ph.D.—University of Manchester  
(2006)
- McClure, Kimberley A.** (1998)  
Professor—Psychology  
Ph.D.—University of Texas at El  
Paso (1998)
- McConnell, Matthew S.** (2021)  
Assistant Professor—Chemistry  
Ph.D.—University of Iowa (2015)
- McConnell, Rose Marie** (2006)  
Professor—Chemistry  
Ph.D.—Texas A&M University  
Main Campus (1983)
- McCormick, Bridget E.** (2001)  
Director, Residential Facilities  
and Administration—  
University Housing and Dining  
Services  
M.B.A.—Western Illinois  
University (2009)
- McCoy, Rachelle** (2019)  
Instructor—Nursing  
M.S.N.—Grand Canyon  
University (2019)
- McCravy, Barry S.** (2008)  
Professor—Law Enforcement  
and Justice Administration  
Ed.D.—Duquesne University  
(2003)
- McDaniel, Brooke Cece** (2020)  
Complex Director—University  
Housing and Dining Services  
M.A.—Western Illinois  
University (2022)
- McDaniel, Kimberly D.** (2005)  
Academic Advisor—Center for  
Global Studies  
M.A.—Western Illinois  
University (2006)
- McDonald, Blair** (2012)  
Professor—Engineering and  
Technology  
Ph.D.—University of Utah (1996)
- McFadden, Sandra L.** (2005)  
Professor—Psychology  
Ph.D.—Northern Illinois  
University (1993)
- McGarry, Jennifer E.** (2019)  
Instructor—Speech Pathology  
and Audiology  
M.S.—Illinois State University  
(2014)
- McGinty, Patrick Jay** (2005)  
Professor—Sociology and  
Anthropology  
Ph.D.—University of Missouri-  
Columbia (2005)
- McGuire, Kathy M.** (2012)  
Professor—Psychology  
Ph.D.—University of Toledo  
(2013)
- McIlvaine-Newsad, Heather**  
Lan (2000)  
Professor—Sociology and  
Anthropology  
Ph.D.—University of Florida  
(2000)
- McLean, Donald J.** (1998)  
Professor—Museum Studies—  
Quad Cities  
Ph.D.—University of Waterloo  
(1991)
- McLean, Rebecca A.** (2011)  
Professor—Counselor  
Education and College Student  
Personnel—Quad Cities  
Ph.D.—University of Akron Main  
Campus (2001)
- McQuillan, James M.** (2003)  
Professor—Computer Sciences  
Ph.D.—University of Western  
Ontario (1994)
- Meagher, Shawn Anthony**  
(1999)  
Professor—Biological Sciences  
Ph.D.—University of Michigan-  
Ann Arbor (1995)
- Meeker, Lindsay C.** (2018)  
Director—Center for Best  
Practices in Early Childhood  
Education  
M.S.Ed.—Western Illinois  
University (2012)
- Melim, Leslie Allison** (1996)  
Professor—Earth, Atmospheric,  
and Geographic Information  
Sciences  
Ph.D.—Southern Methodist  
University (1991)
- Melkumian, Alice Alla** (2003)  
Professor—Accounting, Finance,  
Economics, and Decision  
Sciences  
Ph.D.—West Virginia University  
(2003)

# Faculty and Professional Staff

---

- Meloni, Thomas E.** (2012)  
Associate Professor—Law Enforcement and Justice Administration  
Ph.D.—Northern Illinois University (2011)
- Melz-Jennings, Lisa A.** (1998)  
Academic Success Coach,  
Academic Advisor—Retention  
M.S.—Western Illinois University (1994)
- Menken, Kevin B.** (2008)  
Instructor—Communication  
M.A.—University of South Carolina Columbia (1995)
- Merrett, Christopher Douglas** (1995)  
Dean—Innovation and Economic Development  
Professor and Director—Illinois Institute for Rural Affairs  
Ph.D.—University of Iowa (1994)
- Meyers, Sheryl** (2022)  
Manager, Costume Shop—Theatre and Dance  
B.A.—Brigham Young University Main Campus (1986)
- Mhangi, Mary W.** (2013)  
Professor—Management and Marketing  
Ph.D.—Iowa State University (2006)
- Mhlanga, Bonny Manuel** (2004)  
Professor—Law Enforcement and Justice Administration  
Ph.D.—University of Surrey (1993)
- Mickelson, Rebel R.** (2022)  
Assistant Professor—Theatre and Dance  
M.F.A.—Southern Illinois University Carbondale (2009)
- Miczo, Nathan** (2001)  
Professor—Communication  
Ph.D.—University of Arizona (2004)
- Middendorf, Dakota Anne** (2022)  
Academic Advisor—First Year Advising Center  
B.A.—Western Illinois University (2013)
- Miguel, Nicholas E.** (2022)  
Assistant Professor—Music  
D.M.A.—University of Iowa (2018)
- Mihai, Julieta** (2004)  
Associate Professor—Music  
D.M.A.—University of Illinois at Urbana-Champaign (1996)
- Miller, John J.** (1999)  
Associate Professor—Communication  
Ph.D.—Wayne State University (2002)
- Mindrup, Kristi S.** (2004)  
Vice President—Quad Cities Campus Operations  
Ph.D.—University of Iowa (2012)
- Minnis, Jonathan David** (2020)  
Assistant Director of Athletics—Intercollegiate Athletics  
M.S.—Western Illinois University (2019)
- Mitchell, Jacob D.** (2020)  
Counselor—University Counseling Center  
M.A.—University of Illinois-Springfield (2020)
- Moon, Sherri R.** (2011)  
Director/Lead Teacher—Infant and Preschool Center  
M.S.Ed.—Western Illinois University (2010)
- Moore, Rita M.** (2023)  
Director—Internal Auditing  
B.B.—Western Illinois University (1985)
- Morck, Kelly** (2013)  
Lead Teacher—Infant and Preschool Center  
M.S.Ed.—Western Illinois University (2011)
- Moreno, Kimberly M.** (2000)  
Academic Advisor—College of Education and Human Services—Quad Cities  
M.P.A.—Drake University (2008)
- Morgan, Russell Edward** (1997)  
Senior Associate Provost for Budget, Personnel, and Research  
Professor—Psychology  
Ph.D.—Kent State University Main Campus (1995)
- Morris, Kelly A.** (2002)  
Academic Advisor—First Year Advising Center  
M.A.—University of Northern Iowa (1994)
- Mossman, Amy Patrick** (2006)  
Professor—English  
Ph.D.—University of Minnesota-Twin Cities (2006)
- Mossman, Mark A.** (2001)  
Associate Provost and Associate Vice President for Academic Affairs  
Professor—English  
Ph.D.—Saint Louis University (1998)
- Musser, Richard O.** (2003)  
Professor and Interim Chair—Biological Sciences  
Ph.D.—University of Arkansas Fayetteville (2002)
- Myers, Jill Joline** (2004)  
Professor and Director—Law Enforcement and Justice Administration  
J.D.—University of Baltimore (1982)
- Myers, Kathleen** (1999)  
Professor and Chair—Art and Design  
M.F.A.—Miami University Main Campus (1998)
- Narvaez, Miguel A.** (2017)  
Assistant Professor—Kinesiology  
Ph.D.—Michigan State University (2011)
- Nash, Sandra L.** (2008)  
Assistant Professor—Nursing  
Ph.D.—University of Wisconsin-Milwaukee (2013)
- Nepal, Vaskar** (2022)  
Assistant Professor—Biological Sciences  
Ph.D.—College of William and Mary (2020)
- Ness, Richard Randall** (2000)  
Professor—English  
Ph.D.—Wayne State University (2002)
- Ngwe Ali, Pechulano** (2022)  
Assistant Professor—Broadcasting and Journalism  
M.A.—Michigan State University (2017)
- Nichols, Kevin A.** (1998)  
Associate Professor—Music  
D.M.A.—University of Iowa (2012)
- Nikels, Holly J.** (2003)  
Professor and Chair—Counselor Education and College Student Personnel—Quad Cities  
Ph.D.—University of South Dakota Main Campus (2003)
- Nolte, Elizabeth** (2022)  
Director, Development—Foundation and Development Office  
B.A.—Western Illinois University (2008)
- Norman, Heather L.** (2014)  
Manager, Radio Operations—WIUM  
B.A.—Nebraska Wesleyan University (1993)

## Faculty and Professional Staff

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<b>Norris, Colette Christine</b> (2020) Counselor—University Counseling Center M.S.—Western Illinois University (2020)	<b>Park, Jiyoung</b> (2022) Assistant Professor— Kinesiology Ph.D.—University of Northern Colorado (2018)	<b>Picanço, Luciano C.</b> (2017) Professor and Chair—Foreign Languages and Literatures Ph.D.—Michigan State University (1998)
<b>Nott, Sharon Ann</b> (1986) Senior Instructor—Theatre and Dance M.A.—Western Illinois University (1986)	<b>Parker, Quintin</b> (2009) Assistant Professor— Broadcasting and Journalism M.S.—Western Illinois University (2016)	<b>Pierson, Nicole M.</b> (2017) Instructor—Speech Pathology and Audiology M.S.—Western Illinois University (2013)
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<b>Paciotto, Carla</b> (2000) Professor—Education Ed.D.—Northern Arizona University (2001)	<b>Petracovici, Lia</b> (2004) Associate Professor— Mathematics and Philosophy Ph.D.—University of Illinois at Urbana-Champaign (2003)	<b>Potter, Andria D.</b> (2004) Academic Advisor—College of Business and Technology M.S.Ed.—Western Illinois University (2003)
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<b>Stone, Brian</b> (2012) Professor—Engineering and Technology Ph.D.—Arizona State University (2012)	<b>Thomas, Brian M.</b> (2023) Director—Campus Recreation M.S.—Western Illinois University (2013)	<b>Viadero, Roger C., Jr.</b> (2007) Professor—Biological Sciences Director—Institute for Environmental Studies Ph.D.—West Virginia University (1997)
<b>Street, Kamrein</b> (2021) Director, Basketball Operations—Intercollegiate Athletics M.S.—Western Illinois University (2021)	<b>Thomas, Matthew J.</b> (2010) Professor—Music Ph.D.—Florida State University (2010)	<b>Von Kaenel, Jennifer N.</b> (2021) Director, Development— Foundation and Development Office M.A.—University of Illinois— Springfield (1998)
<b>Sutton, Christopher J.</b> (1998) Professor—Earth, Atmospheric, and Geographic Information Sciences Ph.D.—University of Denver (1995)	<b>Thompson, Samuel K.</b> (2000) Professor and Chair—Earth, Atmospheric, and Geographic Information Sciences Ph.D.—The University of Akron Main Campus (2001)	<b>Waldrop, Timothy D.</b> (2002) Professor—Art and Design M.F.A.—Southern Illinois University Edwardsville (2001)
<b>Sutton, Holly Sue</b> (2018) Director, Foundation Financial Affairs—Foundation and Development Office M.Acct.—Western Illinois University (2004)	<b>Tollini, Craig D.</b> (2005) Professor—Sociology and Anthropology Ph.D.—Western Michigan University (2005)	<b>Wallace, Lora Ebert</b> (2004) Professor—Sociology and Anthropology Ph.D.—Iowa State University (2001)
<b>Sutton, Shannon M.</b> (2012) Director—Sponsored Projects M.B.A.—University of Denver (1993)	<b>Tovella, Alexandra</b> (2019) Women's Assistant Basketball Coach—Intercollegiate Athletics M.A.—Edgewood College (2015)	<b>Wang, Pengqian</b> (2006) Professor—Physics Ph.D.—Peking University (1998)
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<b>Szyjka, Sebastian P.</b> (2010) Professor—Education Ph.D.—Southern Illinois University Carbondale (2009)	<b>Trusley, Karen Marie</b> (2022) Counselor—Undergraduate Admissions M.S.—Western Illinois University (2010)	<b>Waters, Michael L.</b> (2012) Medical Chief of Staff—Beu Health Center M.D.—Southern Illinois University Carbondale (1996)
<b>Tang, Yong</b> (2011) Professor—Broadcasting and Journalism Ph.D.—Pennsylvania State University Main Campus (2012)	<b>Turkelli, Seyfi</b> (2012) Associate Professor— Mathematics and Philosophy Ph.D.—University of Wisconsin— Madison (2009)	<b>Watts, Derek James</b> (2021) Director—Public Safety M.A.—Western Illinois University (2015)
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- White, Lindsay A.** (2012)  
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Professor—History  
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## IAI/WIU Course Match Index

The following listing shows the WIU courses that match Illinois Articulation Initiative (IAI) **General Education Core Curriculum** course descriptions as of May 1, 2023. The IAI course code and WIU course number and title are provided. Please see the IAI website for a current listing ([ittransfer.org/iai](http://ittransfer.org/iai)).

### IAI COMMUNICATION

#### IAI CODE WIU MATCH

C1 900	ENG 180 College Writing I
C1 901R	ENG 280 College Writing II
C2 900	COMM 241 Introduction to Public Speaking

### IAI MATHEMATICS

#### IAI CODE WIU MATCH

M1 900-1	MATH 133 Calculus with Analytic Geometry I
M1 900-2	MATH 134 Calculus with Analytic Geometry II
M1 900-3	MATH 231 Calculus with Analytic Geometry III
M1 900-B	MATH 137/138 Applied Calculus I/II (as a sequence)
M1 902	STAT 171 General Elementary Statistics
M1 904	MATH 101 Concepts of Mathematics
M1 904	MATH 102 Creative Perspectives in Mathematics
M1 907	MATH 123 Modeling with Mathematical Functions

### IAI PHYSICAL/LIFE SCIENCES

#### IAI CODE WIU MATCH

L1 900L	BIOL 100 Biological Concepts
P1 901L	PHYS 100 Physics for Society
P1 902L	CHEM 101 Principles of Chemistry I
P1 903L	CHEM 150 Contemporary Chemistry
P1 905L	GEOG 121 Planet Earth: Surface Processes and Interactions
P1 905L	METR 120 Introduction to Weather and Climate
P1 906	PHYS 101 Introduction to Astronomy
P1 907L	GEOL 110 Our Changing Earth
P1 907L	GEOL 112 History of the Earth

### IAI HUMANITIES/FINE ARTS

#### IAI CODE WIU MATCH

H1 900	FR 224 Intermediate French II
H1 900	GER 224 Intermediate German II
H1 900	SPAN 224 Intermediate Spanish II
H2 904	HIST 105 American History to 1877
H2 905	HIST 106 American History since 1877
H2 906	HIST 115 World History to 1500
H2 907	HIST 116 World History since 1500
H3 900	ENG 195 Introduction to Literature
H3 901	ENG 201 Introduction to Fiction
H3 902	ENG 202 Introduction to Drama
H3 903	ENG 200 Introduction to Poetry
H3 905	ENG 205 Introduction to Shakespeare

### IAI HUMANITIES/FINE ARTS (continued)

#### IAI CODE WIU MATCH

H3 906	ENG 353 Great Books
H3 908N	ENG 358 Studies in Non-Western Literature
H3 911D	ENG/WS 301 Women and Literature
H3 916	FR 327 Introduction to French Literature
H3 916	GER 327 Introduction to German Literature
H3 916	SPAN 327 Introduction to Hispanic Literature
H3 917	FR 328 Masterpieces of French Literature
H3 917	SPAN 328 Masterpieces of Spanish Literature
H4 900	PHIL 100 Introduction to Philosophy
H4 904	PHIL 120 Contemporary Moral Problems
H4 906	PHIL 140 Logic and Reasoning
H5 900	REL 101 Religion and Popular Culture
H5 901	REL 107 The Bible
F1 900	MUS 190 What to Listen for in Music
F1 903N	MUS 394 Music in World Cultures
F1 904	MUS 195 American Popular Music
F1 906	DAN 382 Dance History and Philosophy
F1 907	THEA 110 Introduction to the Theatre
F2 900	ARTH 180 An Introduction to Art
F2 901	ARTH 282 History of World Art: to 1400
F2 902	ARTH 283 History of World Art: 1400-1900
F2 908	BC&J/ENG 290 Introduction to Film

### IAI SOCIAL/BEHAVIORAL SCIENCES

#### IAI CODE WIU MATCH

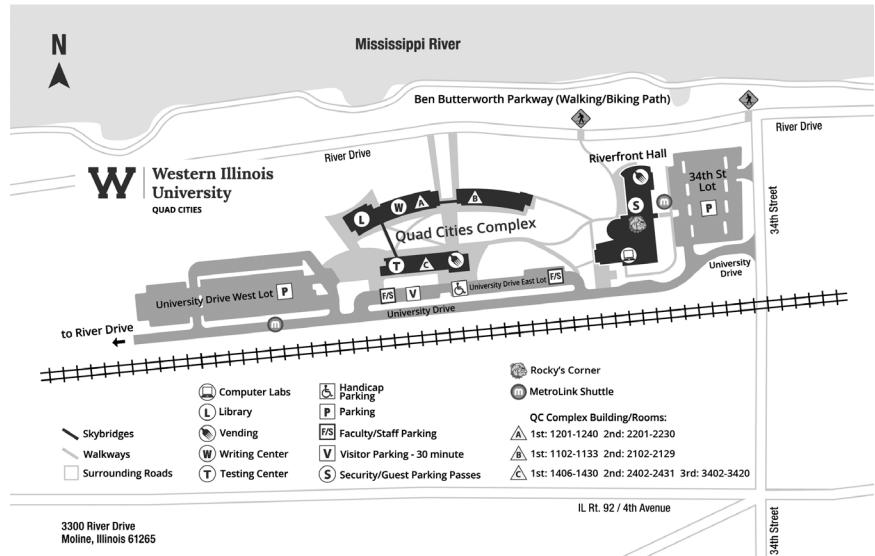
S1 901N	ANTH 110 Introduction to Cultural Anthropology
S1 902	ANTH 111 Introduction to Physical Anthropology and Archaeology
S3 900	ECON 100 Introduction to Economics
S3 901	ECON 231 Principles of Macroeconomics
S3 902	ECON 232 Principles of Microeconomics
S4 900N	GEOG 100 Introduction to Human Geography
S4 906	GEOG 110 World Regional Geography
S5 900	POLS 122 American Government and Politics
S5 902	POLS 223 State Government and Politics
S5 903	POLS 101 Introduction to Political Science
S5 904	POLS 228 Fundamentals of International Relations
S5 905	POLS 267 Introduction to Comparative Government and Politics
S6 900	PSY 100 Introductory Psychology
S6 903	PSY 221 Psychology of Child Development
S7 900	SOC 100 Introduction to Sociology
S7 901	SOC 200 Contemporary Social Problems
S7 903D	SOC 300 Minority Peoples
S8 900	PSY 250 Human Social Behavior

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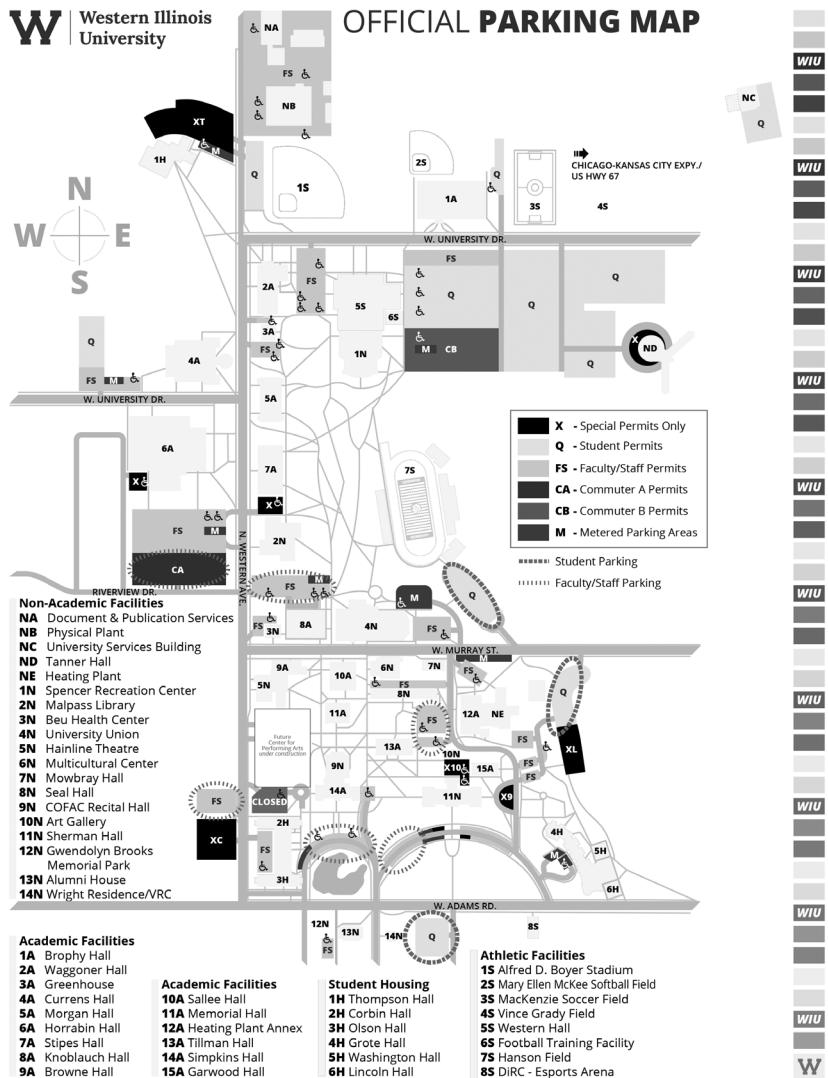
# WIU–Quad Cities Map



# Macomb Campus Map

**W** | Western Illinois University

## OFFICIAL PARKING MAP



## **For More Information**

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Inquiries about Western Illinois University are welcome. Please direct all inquiries to the appropriate departments listed below:

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