



Undergraduate Bulletin 2007 - 2009

St. John's College of
Liberal Arts and Sciences

The School of Education

The Peter J. Tobin College of Business

College of Pharmacy and
Allied Health Professions

College of Professional Studies

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Please note: A complete version of the undergraduate bulletin can be found at our Web site: <http://www.stjohns.edu/bulletins>.

Included on the site are the University's mission and vision statements, complete sections of all schools and colleges with full course descriptions, historic dates, study abroad programs, special and opportunity programs, financial aid, student support services, administration of the University, campus facilities and directions.

Academic Calendar

2007-2008

*Calendar subject to change. Consult the Web, www.stjohns.edu, for latest updates.

2007 Fall Semester

August

- 2 **Thursday:** Last day to file a diploma application for September degree conferral.
- 29 **Wednesday:** Fall semester begins. Monday classes meet.

September

- 1 **Saturday:** School Closed – No classes.
- 3 **Monday:** Labor Day – School closed – No classes.
- 5 **Wednesday:** Last day to drop/add classes. All registration ceases.
- 18 **Tuesday:** Last day to drop classes.
- 19 **Wednesday:** Withdrawal periods begins.
- 28 **Friday:** September degree conferral date.

October

- Web Registration begins – Schedule to be announced. Consult the Web for details.
- 8 **Monday:** Columbus Day – School closed – No classes.
 - 9-15 **Tuesday–Monday:** Midterm examination period.
 - 17 **Wednesday:** Last day to file a diploma application for the January degree conferral.

November

- 1 **Thursday:** All Saint's Day – School closed – No classes.
- 6 **Tuesday:** Last day to withdraw from classes without receiving a penalty. Last day to apply for Pass/Fail Option.
- 20 **Tuesday:** Thursday classes meet.
- 21-25 **Wednesday–Sunday:** Thanksgiving Recess – School closed – No classes.
- 26 **Monday:** Classes resume.

December

- 1 **Saturday:** Last day of Saturday classes
- 5 **Wednesday:** Last day of weekday classes.
- 6-7 **Thursday – Friday:** Study Days – No classes.
- 8 **Saturday:** Immaculate Conception – School closed – No Final examinations.
- 10-15 **Monday–Saturday:** Final examination period.

2007 Fall

Weekend College Session

Queens and Staten Island campuses
(Check Web at www.stjohns.edu for details.)
September: 7, 8; 14, 15; 21, 22; 28, 29
October: 12, 13; 19, 20; 26, 27
November: 9, 10; 16, 17; 30
December: 1; 14, 15 (final exams)

2008 Spring Semester

January

- 2-3 **Wednesday–Thursday:** Make-up examinations. Permission of the Dean is required.
- 23 **Wednesday:** Spring semester begins.
- 29 **Tuesday:** Last day to drop/add classes. All registration ceases.
- 31 **Thursday:** January degree conferral date.

February

- 12 **Tuesday:** Last day to drop classes.
- 13 **Wednesday:** Withdrawal period begins.
- 18 **Monday:** President's Day – School closed – No classes.
- 25-31 **Monday–Saturday:** Spring Break. No classes.

March

- Web Registration begins – Schedule to be announced. Consult the Web for details.
- 3-8 **Monday–Saturday:** Midterm examination period.
 - 13 **Thursday:** Last day to file a diploma application for the May Commencement exercises.
 - 18 **Tuesday:** Thursday classes meet.
 - 20-24 **Thursday – Monday:** Easter Recess – School closed–No classes.
 - 25 **Tuesday:** Classes resume.
 - 26 **Wednesday:** Monday classes meet.

April

- 9 **Wednesday:** Last day to withdraw from classes without penalty. Last day to apply for Pass/Fail option.

May

- 1 **Thursday:** Ascension Thursday–School Closed–No classes.
- 6 **Tuesday:** Last day of classes.
- 7 **Wednesday:** Study Day–No classes.
- 8-14 **Thursday–Wednesday:** Final examination period.
- 17 **Saturday:** Staten Island campus commencement.
- 18 **Sunday:** Queens campus commencement.

2008 Spring

Weekend College Session

Queens and Staten Island campuses
(Check Web at www.stjohns.edu for details.)
January: 25, 26
February: 1, 2; 8, 9; 22, 23
March: 7, 8; 14, 15; 28, 29
April: 4, 5; 18, 19
May: 2, 3; 9, 10 (final exams)

Academic Calendar

2008-2009

*Calendar subject to change. Consult the Web, www.stjohns.edu, for latest updates.

2008 Fall Semester

August

- 5 **Tuesday:** Last day to file a diploma application for September degree conferral.
- 27 **Wednesday:** Fall semester begins. Monday classes meet.
- 30 **Saturday:** School Closed – No Classes.

September

- 1 **Monday:** Labor Day – School closed – No classes.
- 3 **Wednesday:** Last day to drop/add classes. All registration ceases.
- 16 **Tuesday:** Last day to drop classes.
- 17 **Wednesday:** Withdrawal period begins.
- 30 **Tuesday:** September degree conferral date.

October

- Web Registration begins – Schedule to be announced. Consult the Web for details.
- 13 **Monday:** Columbus Day – School closed – No classes.
 - 14-20 **Tuesday–Monday:** Midterm examination period.
 - 24 **Friday:** Last day to file a diploma application for the January degree conferral.

November

- 1 **Saturday:** All Saint's Day – School closed – No classes.
- 3 **Monday:** Last day to withdraw from classes without receiving a penalty. Last day to apply for Pass/Fail Option.
- 4 **Tuesday:** Election Day – School Closed – No classes.
- 26-30 **Wednesday – Sunday:** Thanksgiving Recess – School closed – No classes.

December

- 1 **Monday:** Classes resume.
- 3 **Wednesday:** Last day of weekday classes.
- 4-5 **Thursday–Friday:** Study Days–No classes.
- 6 **Saturday:** Last Day of Saturday classes.
- 8 **Monday:** Immaculate Conception – School closed – No classes.
- 9-15 **Tuesday–Monday:** Final examination period.

2008 Fall Weekend College Session

Queens and Staten Island campuses
(Check Web at www.stjohns.edu for details.)

September: 6, 7; 13, 14; 19, 20

October: 3, 4; 17, 18; 24, 25

November: 7, 8; 14, 15; 21, 22

December: 5*, 6; 12, 13 (final exams)

*Friday night classes will be held on Study Day.

2009 Spring Semester

January

- 7- **Wednesday–Thursday:** Make-up examinations. Permission of the Dean required.
- 21 **Wednesday:** Spring semester begins.
- 27 **Tuesday:** Last day to drop/add classes. All registration ceases.
- 30 **Friday:** January degree conferral date.

February

- 10 **Tuesday:** Last day to drop classes.
- 11 **Wednesday:** Withdrawal period begins.
- 16 **Monday:** President's Day – School closed – No classes.

March

Web Registration begins – Schedule to be announced. Consult the Web for details.

- 2-7 **Monday – Saturday:** Midterm examination period.
- 6 **Friday:** Last day to file a diploma application for the May commencement exercises.
- 9- **Monday–Saturday:** Spring Break – No classes.

April

- 3 **Friday:** Last day to withdraw from classes without receiving a penalty. Last day to apply for Pass/Fail Option.
- 9- **Thursday–Monday:** Easter Recess – School closed – No classes.
- 13 **Tuesday:** Classes resume.
- 14 **Wednesday:** Monday classes meet.

May

- 4 **Monday:** Last Day of Classes.
- 5 **Tuesday:** Study Day – No classes.
- 6- **Wednesday–Tuesday:** Final examination period.
- 12 **Saturday:** Staten Island Campus Commencement.
- 17 **Sunday:** Queens Campus Commencement.

2009 Spring Weekend College Session

Queens and Staten Island campuses
(Check Web at www.stjohns.edu for details.)

January: 23, 24; 30, 31

February: 6, 7; 20, 21

March: 6, 7; 20, 21; 27, 28

April: 3, 4; 17, 18

May: 1, 2; 8, 9 (final exams)

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General Information

Applications may be obtained from the Office of Admission at any of the following campuses:

St. John's University
8000 Utopia Parkway
Queens, NY 11439
1(888) 95TJOHNS

St. John's University
300 Howard Avenue
Staten Island, NY 10301
(718) 390-4500

St. John's University
101 Murray Street
Manhattan, NY 10007
(212) 277-5108

Completed applications should be sent to the Admission Office at the appropriate campus.

The University operates on a "rolling admissions" basis. Applications are processed as soon as all required credentials are received* (for exceptions, see application deadlines).

All applicants will receive written notification concerning the decision made by the Admission Committee.

St. John's University requires a recent physical examination (within one year of admission) including a diphtheria-tetanus booster and a tuberculin skin test.

New York State Public Health Law 2165, requires ALL students who were born ON OR AFTER JANUARY 1, 1957, to be immunized against measles, mumps and rubella. Students must submit documentation of TWO doses of the measles, and ONE dose each of mumps and rubella. All immunizations must have been received after 1967 and after your first birthday.

In addition, St. John's University is in compliance with New York State Public Health Law 2167, requiring ALL students attending colleges and universities in the state to be given information about immunization against meningococcal meningitis. Students must respond to the notification within 30 days.

DOCUMENTATION OF IMMUNIZATIONS AND MENINGITIS AWARENESS FORMS MUST BE COMPLETED AND RETURNED BEFORE CLASSES BEGIN.

**Notification to candidates begins on or about January 1.*

Application Fee and Deposit

St. John's University requires a non-refundable \$50 application fee. All candidates who have been accepted by St. John's University must confirm their intention to enroll by submitting a deposit of \$100 (\$250 for pharmacy majors) on or before May 1. This deposit is non-refundable but is credited toward tuition upon registration. St. John's University adheres to the National Deposit Policy recognizing May 1 as the official deadline for submitting enrollment deposits.

New Freshman Admission

Admission is determined by the applicant's previous academic performance, satisfactory achievement on appropriate standardized tests, recommendations and other factors that suggest academic potential and motivation. Applicants must ask their high school to forward to St. John's their official transcripts as soon as possible, including a listing of courses in progress as well as an official copy of their Scholastic Aptitude Test (SAT) or American College Test (ACT). Applicants with high school equivalency diplomas (based on the General Education Development tests) are considered for admission. They must submit an official copy of their GED scores and diploma.

The Committee may require a student to have a personal interview as part of this admission process.

All applicants who have been out of school for more than a semester are expected to include a letter explaining their activities since their last attendance in school. Home-schooled students must take an approved "Ability to Benefit" test prior to enrollment.

For information pertaining to specific schools or programs, you may consult the bulletin.

Application Deadlines

International Students

Fall admission	May 1
Spring admission	November 1

Pharm.D. Major

Fall admission	February 1
Applications are accepted for first-year students only. All applications and supporting documentation must be received by February 1 for consideration for fall only. Transfer applications to the Pharm.D. program are accepted on a space-available basis only.	

Physician Assistant (transfers only)

Fall admission	March 1
Spring admission	October 15

Fine Arts

Fall admission	March 1
Spring admission	November 1

The Liberal Arts Faculty Council approved the following motion at their March 27, 2007 meeting:

RESOLVED

That a deadline be established by which applicants must submit their portfolios for review in consideration of their acceptance into the BFA programs. For Fall admission, the deadline for submission of portfolios is March 1; for Spring admission, the deadline is November 1.

The Liberal Arts Faculty Council also strongly recommends that the University make every effort to make these dates known to high school guidance counselors, art teachers and prospective applicants.

Transfer Student Admission

External Students

St. John's University admits candidates who wish to transfer from other colleges or universities. Applicants must be in good academic standing at their current institution and present evidence of such during the admission process. Candidates are encouraged to submit their application by May 1 for the summer session, August 1 for the fall semester, and December 1 for the spring semester.

Applicants admitted with transfer credit must satisfy the requirements of the University for residence and for graduation. (see "Residence" in the Academic Information and Regulations section.)

A student transferring from another college or university needs to present the following:

1. A completed application including all transfer section information and official college transcripts
2. Official transcripts of high school—depending on intended majors and/or college work
3. A list of courses currently in progress
4. A letter explaining interim activities if the student has been out of school for one semester or more

It is the policy of the University to deny admission to an applicant who has been dismissed from another institution for academic or disciplinary reasons.

Internal Students

Matriculated students for the baccalaureate degree may qualify for transfer to another baccalaureate curriculum in the University by meeting the general scholastic requirements of a particular college or school.

Matriculated students for the associate degree may qualify for transfer to a baccalaureate curriculum of the University by meeting the general scholastic requirements of a particular school or college.

Matriculated students for the associate degree may qualify for transfer to a baccalaureate curriculum of the University by completing the requirements for the associate degree or by meeting one of the following requirements:

Completion of:

Credits	Quality Point Index
21 to 27	3.00
30 or more	2.75
45 or more	2.50
60 or more	2.25

Students who qualify for transfer to a baccalaureate program of the University by earning the associate degree will begin a new quality point index upon enrollment in that program. Students wishing to transfer from one University college or school to another must complete the Application for Undergraduate Transfer within the University.

International students applying to Pharm.D. are required to take the SAT or ACT.

Those who apply for undergraduate re-admission or transfer within the University and then decide not to transfer from one college or school to another must officially request withdrawal of the application in writing and submit the written request for withdrawal notice to the Office of the Registrar.

Applicants for transfer from one program to another (one major to another) within a college must seek approval from the college or school office.

Re-Admission Policy

Students who have not been in attendance at St. John's University for up to one year **and, in addition**, have not attended another college or university in the interim may be considered as candidates for re-admission. Eligible students must complete a brief re-admission form available in the Office of Admission.

Those students who have not been in attendance at St. John's University for longer than one year (two consecutive semesters) or who have attended another college or university (for any length of time) must re-apply for admission as a transfer student, must complete a transfer application and submit the required application documents.

International Student Admission

Qualified international students are admitted into all undergraduate schools of the University. Such candidates must have superior academic record, and show proof of English language proficiency if the native language is other than English.

Freshman Applicant: must present a formal application; official secondary school records, and/or official certificates/results from Ministry of Education (if applicable); official

examinations results, if taken, directly from the examining board; a letter of recommendation from an advisor and a personal statement or essay are strongly encouraged; score reports for the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS); SAT or ACT score reports if wishing to compete at the NCAA level; SAT or ACT score reports if wishing to apply to the Pharmacy (Pharm.D. degree) program.

Transfer Applicant: must present a formal application; official secondary school records, and/or official certificates/results from the Ministry of Education (if applicable); official examinations results, if taken, directly from the examining board; official university/post-secondary records; a letter explaining activities if the student has been out of school for one semester or more; score reports for the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS); SAT or ACT score reports if wishing to compete at the NCAA level.

The application deadline for international students is May 1 for the fall semester, and November 1 for the spring semester, except the following:

Freshman Pharmacy (Pharm.D.) applicant: February 1 for the fall semester

Transfer Physician Assistant applicant: March 1 for fall semester and October 15 for the spring semester.

Applicants who are academically admissible, but the TOEFL and IELTS score does not indicate satisfactory English proficiency, will be conditionally admitted through the Intensive English Program (IEP). Upon successful completion of the full-time non-credit IEP, students will continue at the University and begin taking credit classes leading to a degree program.

Questions concerning specific information about University programs or admission procedures should be directed to the Office of International Admission.

Upon acceptance into the University, all F1 and J1 students must provide documentation to the Office of International Student and Scholar Services, so that an I-20 or DS-2019 can be issued for the student to apply for a visa.

Entrance Requirements

Please see the major to which you have applied for general and specific entrance requirements.

Matriculation Status

A matriculated student is one who is permitted to pursue a specific college program leading to a degree.

A non-matriculated student is one who is not pursuing a degree program at St. John's University.

Accident and Sickness Insurance

The University makes available health insurance to all students through University Health Plans. This insurance allows students to be covered for illness and accidents.

The University requires all international students holding F1 and J1 visas and all resident students to have adequate health insurance coverage.

F1 and J1 Students: All F1 and J1 students will be automatically provided with and charged for health insurance each semester. The mandatory charge for the insurance will be added to the semester invoices, which is due and payable with the tuition and fee charges.

Resident Students: Resident students who have not waived the University-provided insurance will be automatically provided with and charged for this health insurance. The charge for this insurance will be added to the semester invoice, which is due and payable with the tuition and fee charges. To waive the insurance coverage, resident students are required to submit their insurance information online at www.universityhealthplans.com.

Penalties may be charged for failure to waive by specified dates set by the University.

Commuter Students: Insurance also is available to our commuter full-time and part-time undergraduate population and can be purchased at www.universityhealthplans.com.

Please direct any questions to the Office of Business Affairs at (718) 990-7592 (Queens campus); the Health Office at (718) 390-4447 (Staten Island campus); or University Health Plans at 1(800) 437-6448.

Expenses

All fees and the entire tuition for each semester are due and payable in full before registration can be completed. All payments must be made by check or money order payable to St. John's University or by credit card. American Express, MasterCard, VISA and Discover are accepted by the Office of the Bursar, or the Office of Enrollment Services on the Manhattan campus.

For those students and parents of students who wish to make tuition payments on a monthly basis, St. John's University makes available services of an outside independent educational credit company plan. Information regarding this plan can be obtained from the Office of Student Financial Services, or the Office of Enrollment Services on the Manhattan campus. Please ensure that your student ID is written on all checks to the University. University staff will write student ID numbers on checks when a student has not done so already.

Students whose accounts are in arrears will not be permitted to register for a subsequent semester, issued a diploma or a transcript of record. All past-due balances are

charged interest at the rate of 1% per month. Delinquent accounts may be referred to a third party for collection, which will result in the addition of collection costs to the account balance.

All outstanding tuition account balances are educational loans extended with the express understanding that future repayment shall be made to the University. Pursuant to federal bankruptcy law and regulations, such tuition expenses are educational loans that are not automatically discharged in bankruptcy.

Students holding full tuition scholarships are required to pay the General Fee and any other fees required for the courses they are taking.

The University reserves the right to change the schedule of tuition and fees when necessary, but every effort is made to maintain them at the lowest possible level.

Tuition Rates 2007-2008

Undergraduate:

Cost per credit	\$873
Cost per semester	
(12 to 18 credits—Block Tuition)	\$13,100

With the exception of:

The Peter J. Tobin College of Business Third and Fourth Years
(completed 56 credits or more)

Cost per credit	\$915
Cost per semester	
(12 to 18 credits—Block Tuition)	\$13,725

Pharm.D. Majors Third, Fourth, Fifth and Sixth Years

Cost per credit	\$1,007
Cost per semester	
(12 to 18 credits—Block Tuition)	\$15,100

2008-2009 tuition will be announced in April 2008.

Fees (Non-Refundable)

University General Fee per semester.

Students carrying 12 credits or more	\$250
Students carrying 9–11 credits.....	\$200
Students carrying 1–8 credits.....	\$125
<i>This fee includes the use of athletic facilities, the Counseling Center, Health Services, Library, Career Center, transcripts and registration.</i>	

Student Government Activity Fee per Semester

This additional fee, determined by the Student Government, goes to student organizations in accordance with procedures set by the Student Government.

Queens, Staten Island, Manhattan

Students carrying 12 credits or more	\$95
Students carrying 9–11 credits	\$47.50

Other Fees

Application Fee	\$50
Admission Deposit.....	\$100
or \$250 (Pharmacy)	
New Student Fee (freshman)	
All campuses.....	\$250
New Student Fee (transfer)	
All campuses.....	\$150
Late Registration	
(does not apply to new students).....	\$200
Late Payment	\$200
Deferment Fee	\$150
Parking Fee	\$100
Returned Check Fee	\$50
Locker, per semester.....	\$20
Make-up Examination Fee	\$80

Individual courses may carry a laboratory or studio fee. Please refer to the course description for fee information.

St. John's University requires all international students with and F-1 or J-1 visa to pay for health insurance through the University insurance company.

Room and Board

Queens Campus

2007-2008 Academic Year

Single Room	\$4,600 per semester
Standard Double Room	\$3,800 per semester
Junior Double Room	\$3,445 per semester
Standard Triple Room	\$3,800 per semester
Junior Triple Room	\$3,215 per semester
Board (Meal) Plan	\$2,235 per semester

Queens Off-Campus

2007-2008 Academic Year

Single Room	\$4,925 per semester
Large Single Room	\$5,025 per semester
Double Room	\$4,200 per semester
Triple Room	\$3,575 per semester

Staten Island Campus

2007-2008 Academic Year

Single Rooms range	
from \$3,675 to \$4,575 per semester	
Double Rooms range	
from \$3,400 to \$3,675 per semester	
Triple Room	\$3,125 per semester
Board (Meal) Plan	\$1,350 per semester

Manhattan Campus

2007-2008 Academic Year

Single Room	\$4,575 per semester
Double Room	\$3,450 per semester
Triple/Quad Room	\$3,450 per semester
Board (Meal) Plan	\$1,350 per semester

Room and Board Withdrawals

The following percentage of room and board charges may be credited for withdrawals:

Fall 2007

100%	.....through August 28
90%	.....through September 4
80%	.....through September 11
60%	.....through September 18
40%	.....through September 25
20%	.....through October 2
0%	.....after October 2

Spring 2008

100%	.....through January 18
90%	.....through January 29
80%	.....through February 5
60%	.....through February 12
40%	.....through February 19
20%	.....through February 26
0%	.....after February 26

Fall 2008

100%	.....through August 26
90%	.....through September 2
80%	.....through September 9
60%	.....through September 16
40%	.....through September 23
20%	.....through September 30
0%	.....after September 30

Spring 2009

100%	.....through January 16
90%	.....through January 27
80%	.....through February 3
60%	.....through February 10
40%	.....through February 17
20%	.....through February 24
0%	.....after February 24

Withdrawal from campus housing could affect your cost of attendance for financial aid purposes. Please contact the Office of Student Financial Services for details.

Withdrawal from Courses and Tuition Refunds

A student who wishes to withdraw from a course must complete a Change of Program Form and have it signed by the appropriate Academic Dean. The date of withdrawal shall be computed from the date the student completed and signed the Change of Program Form.

Withdrawal from courses may entitle the student to a credit of tuition. This policy refers only to tuition. Fees are not refundable.

A withdrawal from courses may also affect the student's eligibility for financial assistance. Students who are recipients of federal Title IV funds and who withdraw prior to the 60% point in the term are subject to a recalculation of Title IV aid eligibility and will have to return or repay unearned Title IV funds. Eligibility for all other institutional, state and external awards will be determined on an individual basis.

Students should allow an appropriate length of time from the date of filing a Change of Program with the Dean for refund claims to be approved, processed and for checks to be mailed.

Students will not be entitled to a refund until all federal Title IV programs are credited and all outstanding charges have been paid.

Students are considered in attendance until they officially withdraw from school or are requested to do so by a Dean.

Students who leave school voluntarily or drop a course must do so through the proper channels or otherwise risk assuming full tuition charges. Students who fail to formally withdraw may also be responsible for repaying all or part of the financial aid funds received in the term.

Please consult your Dean for additional details or questions regarding this withdrawal process.

Please also see p.10, "Officially Notifying the University of a Withdrawal from Class" and "Withdrawing from Class."

The following percentage of tuition may be credited for withdrawals:

Fall 2007

100%	.....through September 5
80%	.....through September 12
60%	.....through September 19
40%	.....through September 26
20%	.....through October 3
0%	.....after October 3

Spring 2008

100%	.....through January 29
80%	.....through February 5
60%	.....through February 12
40%	.....through February 19
20%	.....through February 26
0%	.....after February 26

Fall 2008

100%	.....through September 3
80%	.....through September 10
60%	.....through September 17
40%	.....through September 24
20%	.....through October 1
0%	.....after October 1

Spring 2009

100%	.....through January 27
80%	.....through February 3
60%	.....through February 10
40%	.....through February 17
20%	.....through February 24
0%	.....after February 24

Academic Information and Regulations

Attendance

Each of St. John's University's undergraduate colleges and schools has its own attendance regulations. Students are responsible for knowing the regulations of their school. When enrolled in a course in another school, students are held responsible for that school's attendance regulations.

Major Area of Study

A major is a concentration in one area of study having as its objective the acquisition of knowledge in depth, and complementing the remainder of the curriculum so that the whole will fulfill the institutional objectives while meeting the specific needs of the student. When professional or graduate work is contemplated, some measure of attention is given to the prerequisites of professional and graduate programs.

Approved Programs of Study

Students may only enroll in programs of study officially registered with the New York State Education Department or otherwise officially approved. Enrollment in non-registered or unapproved programs may jeopardize eligibility for certain student aid awards.

St. John's College of Liberal Arts and Sciences Queens campus

Major Name	HEGIS Code	Credentials
Anthropology	2202.00	BA
	1401.00	BA/JD
Adol Ed French	1102.01	BA
Adol Ed Math	1701.01	BA
Adol Ed Physics	1902.01	BA
Adol Ed Soc Studies	2201.01	BA
Adol Ed Spanish	1105.01	BA
Adol Ed Chemistry	1905.01	BA
Adol Ed Italian	1104.01	BA
Adol Ed English	1501.01	BA
Art	1002.00	BFA
Asian Studies	0301.00	BA
Biology	0401.00	BS
	1204.00	BS/DDS
	0401.00	BS/MS
	1209.00	BS/OD
		BS/DPM
Chemistry	1905.00	BS
	1905.00	BS/MS
Creative Photography	1101.00	BFA
East Asian Studies	0302.00	BA/MA
Economics	2204.00	BA
	1401.00	BA/JD
English	1501.00	BA
	1501.00	BA/MA
	1401.00	BA/JD
Environmental Studies (Ecology)	0420.00	BS

Environmental Studies (Soc. Sci.)	2299.00	BA
	1401.00	BA/JD
French	1102.00	BA
	1401.00	BA/JD
Government and Politics	2207.00	BA
	1401.00	BA/JD
	2207.00	BA/MA
Graphic Design	1009.00	BFA
History	2205.00	BA
	2205.00	BA/MA
	1401.00	BA/JD
Illustration	1009.00	BFA
Italian	1104.00	BA
	1401.00	BA/JD
Mathematical Physics	1902.00	BS
Mathematics	1701.00	BS
Mathematics	1701.00	BA
	1701.00	BA/MA
	1401.00	BA/JD
Philosophy	1509.00	BA
	1401.00	BA/JD
Physical Science	1901.00	BS
Physics	1902.00	BS
Psychology	2001.00	BA
	1401.00	BA/JD
	2002.00	BA/MA
Public Administration & Public Service	2102.00	BA
	1401.00	BA/JD
Sociology	2208.00	BA
	1401.00	BA/JD
	2208.00	BA/MA
	2209.00	BA/MA
Spanish	1105.00	BA
	1105.00	BA/MA
	1401.00	BA/JD
Speech (Public Address, General Speech)	1506.00	BA
	1401.00	BA/JD
Speech Pathology and Audiology	1220.00	BA
	1401.00	BA/JD
Theology (Religious Studies)	1510.00	BA
	1510.00	BA/MA
	1401.00	BA/JD
Speech-Language Pathology & Audiology	1220.00	BA/MA

Staten Island campus

Major Name	HEGIS Code	Credentials
Adol Ed English	1501.01	BA
Adol Ed Math	1701.01	BA
Adol Ed Soc Studies	2201.01	BA
Computer Science	0701.00	BS
	1401.00	BS/JD
Economics	2204.00	BA
English	1501.00	BA
	1401.00	BA/JD
	1501.00	BA/MA

Government and Politics	2207.00	BA
	1401.00	BA/JD
	2207.00	BA/MA
History	2205.00	BA
	2205.00	BA/MA
	1401.00	BA/JD
Liberal Arts	5649.00	AA
Mathematics	1701.00	BA
	1701.00	BA/MA
	1401.00	BA/JD
Mathematics	1701.00	BS
	1401.00	BS/JD
Philosophy	1509.00	BA
	1401.00	BA/JD
Psychology	2001.00	BA
	1401.00	BA/JD
	2002.00	BA/MA
Social Studies	2208.00	BA
	1401.00	BA/JD
Sociology	2208.00	BA
	1401.00	BA/JD
	2208.00	BA/MA
Speech	1506.00	BA
	1401.00	BA/JD
Speech Pathology and Audiology	1220.00	BA
Theology	1510.00	BA
	1510.00	BA/MA
	1401.00	BA/JD

College of Professional Studies Queens campus

Major Name	HEGIS Code	Credentials
Administrative Studies	0506.00	BS
Advertising		
Communication	0604.00	BS
Business Administration	5004.00	AS
Business Administration	5004.00	CERT
Communication Arts	0601.00	BS
	2207.00	BS/MA
	2208.00	BS/MA
	1401.00	BS/JD
Computer Science	0701.00	BS
	1401.00	BS/JD
Computer Science	5101.00	CERT
Computer Security Systems	0799.00	CERT
Computer Security Systems	0799.00	BS
Computer Security Systems	0799.00	AS
Criminal Justice	2105.00	BS
	2207.00	BS/MA
	2208.00	BS/MA
	1401.00	BS/JD
Criminal Justice	5505.00	CERT
Criminal Justice	5505.00	AS
Funeral Service Administration	1299.00	BS
Health Services	1202.00	BS
Administration	2207.00	BS/MA
	1401.00	BS/JD
	2208.00	BS/MA

Health Services Administration	5299.00	CERT
Hospitality Management	0508.00	BS
Human Services	2101.00	BS
	2208.00	BS/MA
Information Technology	0702.00	BS
Information Technology	5199.00	AS
Journalism	0602.00	BS
	1401.00	BS/JD
	2208.00	BS/MA
	2207.00	BS/MA
Legal Studies	0599.00	BS
	1401.00	BS/JD
	2208.00	BS/MA
	2207.00	BS/MA
Legal Studies	5099.00	AS
Legal Studies	5099.00	CERT
Liberal Arts	5649.00	AA
Liberal Studies	4901.00	BA
Public Relations	0604.00	BS
Sport Management	0599.00	BS
	1401.00	BS/JD
Sport Management	5299.30	CERT
Telecommunications	5199.00	AS
Telecommunications	0799.00	BS
Television & Film	5008.00	AS
Production	0605.00	BS
Social Science	2201.00	BA
	1401.00	BA/JD

Staten Island campus

Major Name	HEGIS Code	Credentials
Administrative Studies	0506.00	BS
Business Administration	5004.00	AS
Communication Arts	0601.00	BS
	2207.00	BS/MA
	2208.00	BS/MA
	1401.00	BS/JD
Criminal Justice	5505.00	AS
Criminal Justice	2105.00	BS
	2207.00	BS/MA
	2208.00	BS/MA
	1401.00	BS/JD
Funeral Service Administration	1299.00	BS
Health Services Administration	1202.00	BS
Hospitality Management	0508.00	BS
Legal Studies	0599.00	BS
	2207.00	BS/MA
	1401.00	BS/JD
Legal Studies	5099.00	AS
Liberal Studies	4901.00	BA
Sport Management	0599.00	BS
	1401.00	BS/JD
Television & Film	5008.00	AS
Television & Film Production	0605.00	BS
Security	2105.00	BS
Administration	1401.00	BS/JD

School of Education Queens campus

Major Name	HEGIS Code	Credentials
Adolescence Education:		
Social Studies	2201.01	BS/ED
Adolescence Education:		
Biology	0401.00	BS/ED
Childhood Education and		
Special Ed (1-6)	0808.00	BS/ED
Childhood Education (1-6)	0802.00	BS/ED
Adolescence Educ/English	1501.01	BS/ED
Adolescence Educ/Mathematics	1701.01	BS/ED
Adolescence Educ/Physics	1902.01	BS/ED
Adolescence Educ/Spanish	1105.01	BS/ED
Adolescence Ed/English (Non-Cert)	1501.01	BS
Adolescence Ed/Math (Non-Cert)	1701.01	BS
Adolescence Ed/Physics (Non-Cert)	1902.01	BS
Adolescence Ed/Social Studies (Non-Cert)	2201.01	BS
Adolescence Ed/Spanish (Non-Cert)	1105.01	BS
Childhood Ed and Special Ed (Non-Cert)	0808.00	BS
Childhood Education (Non-Cert)	0802.00	BS
Childhood 1-6	0802.00	BS
	0808.00	MS/ED

Staten Island campus

Major Name	HEGIS Code	Credentials
Adolescence Education:		
English	1501.01	BS/ED
Adolescence Education:		
Mathematics	1701.01	BS/ED
Adolescence Education:		
Social Studies	2201.01	BS/ED
Childhood Education & Special Ed (1-6)	0808.00	BS/ED
Childhood Education 1-6	0802.00	BS/ED
Gifted Education	0811.00	CERT
Childhood Education (Non-Cert)	0802.00	BS

Childhood/ Special Education (Non-Cert)	0808.00	BS
Adolescence Ed/English (Non-Cert)	1501.01	BS
Adolescence Ed/Math (Non-Cert)	1701.01	BS
Adolescence Ed/Soc Studies (Non-Cert)	2201.01	BS

The Peter J. Tobin College of Business Queens campus

Major Name	HEGIS Code	Credentials
Accounting	0502.00	BS
	0502.00	MS
Accountancy	0502.00	BS
	0502.00	MBA
Accountancy	0502.00	BS
	0502.00	MS
Accountancy and Management Info Systems	0502.00	BS
Accountancy and Finance	0502.00	BS
Accounting	0502.00	BS
Economics	2204.00	BS
Finance	0504.00	BS
Management	0506.00	BS
Management Information Systems	0702.00	BS
Marketing	0509.00	BS

Staten Island campus

Major Name	HEGIS Code	Credentials
Accountancy	0502.00	BS
	0502.00	MS
Accountancy	0502.00	BS
	0502.00	MBA
Accountancy and Finance	0502.00	BS
Accountancy and Management Information Systems	0502.00	BS
Accounting	0502.00	BS
Accounting	0502.00	BS
	0502.00	MS
Finance	0504.00	BS
Management	0506.00	BS
Marketing	0509.00	BS

Manhattan campus

Major Name	HEGIS Code	Credentials
Actuarial Science	1799.00	BS
Risk Management and Insurance	0512.00	BS

College of Pharmacy and Allied Health Professions (Queens campus)

Major Name	HEGIS Code	Credentials
Medical Technology	1223.00	BS MEDT
Pathologist's Assistant	1299.00	BS
Pharmacy	1211.00	PHARMD
Toxicology	0426.00	BS
	0426.00	BS/MS
Physician Assistant	1299.10	BS

Office of the Registrar

The Office of the Registrar provides service and support to students and alumni, to faculty and their departments, to the University as a whole and to its constituent colleges. The services it provides include registration, the maintenance of student records, grade processing, transcripts and classroom assignments.

The Office of the Registrar helps to build programs for new undergraduate students for their first semester at St. John's. External transfer students receive instructions about advisement and registration by mail. Continuing students register in October/November for the spring semester and in March/April for the summer and fall semesters.

Students must see an Advisor before registering. At advisement they receive their Priority Registration Number, which they need to register via the World Wide Web. Bills are mailed after the November and April registration periods with payment due dates in mid-December and mid-August. Financial Services Representatives are available year-round to assist students with satisfying their financial obligation to the University. Registration is not complete until payment is made, and the University reserves the right to drop a student from an individual class or from his or her entire program if payment is not made by the due date. The Bursar mails an official Class Schedule Receipt to students as they make their payment.

Students may change their programs with the approval of their Dean. While registration is in progress, students make changes via the Web. Students are not permitted to enroll in a course after the late registration period is over.

Students who wish to withdraw from a course must obtain the approval of their Dean. Students who stop attending a class and who fail to withdraw officially remain academically liable for that class. The professor will submit whatever grade is deemed appropriate based on the student's attendance and participation.

The Office of the Registrar mails grade reports for the fall and spring semesters on a rolling basis. Summer grade reports are mailed once at the end of all summer sessions; however, grades are available on the web shortly after being submitted.

In addition to allowing students to register and review their grades online, St. John's makes a considerable amount of information available to students via the World Wide Web. Students are encouraged to consult the University's Web site regularly. Course offerings and a wealth of individual student information are available at the following URL: <https://apollo.stjohns.edu/>

Registration and Liability

With the exception of first-semester freshmen and certain students in "block" programs of study, students at St. John's select their own classes via the St. John's University Information System (UIS).

This process of selecting classes is commonly called "registration," but it is only part of the total registration process. Registering for a class as approved by your Advisor does more than just reserve a seat for you in that class. It also generates a financial liability for that class and takes away a seat from another student. When you register, you take a seat that another student could have had: therefore, St. John's considers your registration as a clear indication of your intention to attend that class.

Complete Your Registration

There are two ways to complete your registration. The standard way is to pay your bill by its due date. When you do this, St. John's mails you an official Class Schedule Receipt, including the rooms where your classes meet, which contains the word **REGISTERED** in the lower left corner.

But some students receive bills that show a refund due or no payment due. This happens as a result of financial aid for which they have applied; scholarships they have accepted; or some other action they have taken. Since you must take some action to result in a bill with a refund or no payment due, the combination of this action and registration is the equivalent of making a payment when you have a balance due.

Together, these two actions are the second way to complete your registration. If you register for classes and receive a bill indicating either no payment due or a refund due, we automatically complete your registration for you.

Liability

Whether you complete your registration or we complete it for you, you are fully liable for your registration both academically and financially. This means you must notify us officially if you will not attend St. John's after your registration is complete, regardless of the reasons.

Officially Notifying the University of a Withdrawal from Class

When you register for a class, the University considers it a clear indication of your intention to attend that class. If you change your mind about attending class or if circumstances prevent you from attending, you must notify us officially of your change in status. There are two ways to officially notify St. John's that you will not attend a class for which you have registered.

The first way is to drop the class. You can drop a class the same way that you registered for it—via St. John's University Information System (UIS). Web registration is available through the last day of the first week of the semester. After this date, we shut off the system.

Note: You may drop classes via the Web as long as you are not dropping all your classes. The system will not allow you to drop your last class or the only class you have. If you want to drop all your classes, you must inform your Dean in writing.

During the second and third weeks of the semester, you may still drop a class, but you need to get permission from your Dean's Office. Bring this permission to the Office of the Registrar, and we will drop the class for you. There is no other way to drop a class during this period.

Classes dropped through the first three weeks of the semester do not appear on your transcript.

Withdrawing from Class

After the last day of the semester's third week, you can no longer drop a class. Any class for which you are still registered on the first day of the semester's fourth week will remain on your transcript. From this point on, you may withdraw from a class. To withdraw from one or more of your classes, contact your Dean's Office. If possible, you should visit the office in person so someone can discuss this decision with you. If you cannot visit the Dean's Office, you must put your request in writing.

Requests made through the deadline indicated in the academic calendar will be honored. You will receive a mark of WD in these courses. This mark does not calculate into your GPA.

There is no guarantee that a request for withdrawal after the date indicated in the academic calendar will be approved. If a request after the deadline is not approved, you will receive a grade in the course.

Dropping or withdrawing from a class are academic actions initiated by students. If you do not drop a class during the first three weeks of the semester, it will remain on your transcript whether or not you attended the class, even if you are subsequently allowed to withdraw. You may be entitled to a full or partial refund of tuition paid for a class.

Refunds are based on the official date that you drop or withdraw, whether via the Web or through your Dean's Office. Your Dean may not indicate as the date of drop or withdrawal any date prior to your official written request.

Student Advisement Reports

St. John's makes advisement reports available to all undergraduate students via St. John's Central, the University's web portal.

Advisement reports match courses that students have taken against requirements for degree programs. While unofficial in nature, these reports are invaluable complements to the advisement process. All students should bring an advisement report with them when they see their advisors prior to registration. For additional information, consult the Registrar's web site at this URL:

www.stjohns.edu/services/registrar/advisement.

Veterans and Their Dependents

Veterans and their dependents should contact the Department of Veterans Affairs regional office in Buffalo, New York, for information about educational benefits. The telephone number is 1 (888) 442-4551. The Department of Veterans Affairs also maintains a very useful Web site at the following URL: www.va.gov/. The Office of the Registrar certifies the enrollment of veterans and their dependents for educational benefits.

Time Limit for Undergraduate Courses

The validity of undergraduate credits for degree requirements has no time limit, but the University retains the authority to determine which courses previously taken meet current degree requirements.

Examinations and Reports

Students not present for a scheduled final examination must submit a written explanation together with substantiating evidence. The Academic Dean of the school or college in which the student is enrolled will determine if the student will be permitted to take a make-up examination. If permission is granted, the fee is \$40. The \$40 covers all exams missed for the substantiated reason.

The grade of ABF will be assigned if the student fails to sit for the make-up examination or fails to appear at the scheduled time.

Written tests, term papers and other assignments are given during the term at the discretion of the individual instructor. Credit will not be given for a semester's work unless all assignments have been satisfactorily completed. All work for a course must be submitted no later than the date of the last meeting of that course.

Auditing Courses

A student who audits a course is one who is qualified to register for a credit course for which no credit will be granted. *Students may not audit a course which they subsequently would be required to complete for their degree.* Auditors are expected to attend class but are not responsible for examinations or written assignments. A grade of AU for the course will be noted on the permanent record.

Permission to audit a course must be obtained on a Pass/Fail-Audit Option Request Form from the student's Dean. This written permission must be presented to the Office of the Registrar. Audit and credit courses may not exceed 18 semester hours per term. Full tuition and fees are charged for audited courses. *A student may not change from audit to credit status or vice versa once the semester begins.*

Grading System

A letter system is used in assigning grades for courses, and these quality points are given for each grade:

Grade	Quality Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
F	0
ABF Absent/Failure	0
WD Withdraw	0
AU Audit	0
P Passing	0
X Failure, No Penalty	0
UW Unofficial Withdrawal	0
ABX Absent/Pass-Fail Option	0

Notes:

- On the undergraduate level, the grade **P** is assigned to students whose application for the "Pass-Fail" option is approved and who do passing work. Undergraduates approved for the "Pass-Fail" option who do failing work are assigned the mark **X**. Undergraduates approved for the "Pass-Fail" option who miss their final examinations are assigned the mark of **ABX**.
- Undergraduates not exercising the "Pass-Fail" option who miss their final examinations are assigned the mark of **ABF**.
- The mark of **WD** (withdrawal) is assigned upon the completion of the official withdrawal process, a process that can only be initiated by a student.
- The mark of **UW** (unofficial withdrawal) may be assigned, at the instructor's discretion, in cases in which there is insufficient basis for an earned grade. Students may not request this mark.
- The mark of **AU** is assigned to both undergraduate and graduate students whose application for this option is approved. Students approved to audit a class receive no credit for it. Courses taken on an audit basis may not later be repeated for credit.

Computing the Grade-Point Average (GPA)

Credits Earned are credit hours awarded to the student for successful completion of academic course work.

Credits Attempted are the number of credit hours actually attempted by a student, except for audited courses and those from which one has been officially dropped.

Quality Points are computed by multiplying the quality points of the course by the credit hours of the course. Example: a B in a three-credit undergraduate course would generate 9.0 quality points.

For each semester's work, a semester's grade-point average is computed as follows:

$B = 3.000 \times 3 \text{ (credits)} = 9.0 \text{ quality points}$

$A = 4.000 \times 4 \text{ (credits)} = 16.0 \text{ quality points}$

$A = 4.000 \times 7 \text{ (credits)} = 28.0 \text{ quality points}$

The total number of quality points earned is divided by the total number of credits attempted. For example,

$\frac{53 \text{ Quality Points}}{14 \text{ Credits Attempted}} = 3.785 \text{ GPA}$

Please note that graduate schools, law schools, medical schools, and others typically recalculate the GPAs of applicants according to their own criteria.

Advanced Placement credit and/or transfer credit will not be computed in the cumulative grade-point average. Example: If a student presents 120 credits for graduation, eight credits of which are for Advance Placement or transfer credit, the cumulative grade-point average is computed on 112 credits. However, grades of all courses taken by students, including internal and external transfer students, will be calculated in the index for honors at graduation. In no case shall the honor conferred be higher than that which would have been earned solely on the computation of the St. John's grades.

Academic Standing

Students are in good academic standing when they are enrolled as matriculated students in a program of study leading to a degree, diploma, or certificate and are making satisfactory progress toward the completion of the program of study.

Nonprobationary: maintaining at least a 2.0 cumulative quality point index.

Probationary: Cumulative quality point index is below 2.0, but in the judgment of the Dean the student is considered to be making acceptable progress toward a 2.0 cumulative quality point index and is permitted to continue on a matriculated basis.

Academic Progress or Promotion: Credits Completed		Class
1–24		Freshman 1 Year
25–55		Sophomore 2 Year
56–90		Junior 3 Year
91+		Senior 4 Year and Pharmacy 5 Year

Recommendations of the Committee on Academic Standing for promotion, promotion on probation or dismissal for poor scholarship are based on the student’s cumulative quality point index.

Conditions of promotion in the College of Pharmacy and Allied Health Professions are found in that College’s section of this Bulletin.

Graduation Requirements

For graduation, students must complete the following semester hour minimums:

St. John’s College of Liberal Arts and Sciences		Hours
Bachelor of Arts		126
Bachelor of Science		126
Bachelor of Fine Arts		132
The School of Education		
Bachelor of Science		129-133
Bachelor of Science in Education		129-144
The Peter J. Tobin College of Business		
Bachelor of Science		130–134
College of Pharmacy and Allied Health Professions		
Pharmacy Program		201
Physician Assistant Program		130
Medical Technology Program		132
Toxicology Program		127
College of Professional Studies		
Bachelor of Arts		126
Bachelor of Science		126–127
Associate in Arts		60
Associate in Science		60–62

A cumulative quality point index of 2.0 for all those courses taken, and a cumulative quality point index of 2.0 for all courses in the major and minor areas are required [unless otherwise indicated by school.

The University conducts one commencement annually. Only students who complete all degree requirements by the end of the spring semester will be eligible to participate in the May commencement exercises. Candidates who satisfy degree requirements during the summer sessions will have their degrees awarded on the last business day in September and will be invited to participate in the May commencement exercises of the following year. Students who complete requirements during the fall semester will be eligible to participate in the May exercises will have their degrees awarded on the last business day in January.

For graduation with honors, a student must have fulfilled the obligation of

conducting himself or herself in a manner compatible with the University’s function as a Catholic institution of higher education and must have obtained the following point indexes for all courses taken by the student:
Summa Cum Laude 3.85
Magna Cum Laude 3.70
Cum Laude 3.50

Students who transfer to St. John’s University must complete at St. John’s a minimum of 50% percent of the total number of credits required for their degree in order to be considered for honors at graduation.

Grades of all courses taken by students, including internal and external transfer students, will be calculated in the index for honors for graduation. Students enrolled in the Bachelor’s/J.D. program will be considered for honors for September degree conferral, because their law school grades are unavailable in time for May commencement. Grades for senior-year courses (first-year law school) will be included in the calculation for honors for the September conferral of degrees. In no case shall the honor conferred be higher than that which would have been earned solely on the computation of the St. John’s grades.

Residence

Residence is necessary to assure adequate time for the faculty, on whom the responsibility to recommend candidates for degrees rests, to make a judgment concerning the student’s successful completion of degree requirements. This should not be seen merely in terms of degree credits or course requirements. It is a question of judging in view of graduation the breadth and maturity of the student’s development, particularly in its intellectual dimension. Such a judgment is readily made after the student has completed the advanced courses that typically form the academic program of the senior year.

The residence requirement for an undergraduate program at St. John’s University shall be the successful completion of the academic program (approximately 30 credits) of the student’s final two semesters in attendance. The student’s program shall include sufficient evidence of competency in the area of concentration.

Application for Diplomas

The University confers degrees three times a year: January, May and September. It holds commencement exercises in May. Students awarded degrees in September and January are invited to attend the May ceremony.

To ensure that we have all the information that we need to order your diploma correctly, we ask you to file a diploma card with the Office of the Registrar at least three months in advance of the month in which you expect to receive your degree. If your Dean does not provide you with a diploma card by this deadline, you may pick one up in the Registrar’s Office at your campus.

Regulations on Discipline

Specific regulations for which students are responsible, as well as procedures for processing violations of these regulations, are outlined in the Student Handbook. In all disciplinary situations, the right of students to due process is observed.

Study Abroad Program Discover the World Programs

Africa

This extraordinary new program spans three continents—starting in New York City, continuing in Rome and ending in Cameroon, a West African republic noted for its rich cultural heritage. When you complete the program, you’ll have earned an Africana Studies Minor.

Europe

This unique semester program takes place in three beautiful European cities. Students have the opportunity to take 15 credits in five 3-week modules in Paris, France, Salamanca, Spain and Rome, Italy. Courses range from language and culture classes to philosophy, theology, government and history. Discover the World Europe offers students a once-in-a-lifetime chance to explore Europe while working toward their degrees.

Latin America

Discover the World Latin America offers students the opportunity to study Spanish in the intensive settings of Puerto Rico and Costa Rica. Students can spend up to 6 weeks in each location during the summer months.

Argentina

Summer Program in Buenos Aires and Corrientes

Dr. Alina Camacho-Gingerich, *Faculty Coordinator*

This month-long summer program, in which students may take up to six credits in the fields of Spanish language, politics, economics, history or literature, introduces students to the majesty of Argentina’s natural environment and the charms of its capital city. Students also get a broader picture of the history and politics of Latin America.

Brazil

Semester and Summer Programs in Rio de Janeiro, Belo Horizonte, Brasília and São Paulo

Dr. Jefferson Fish, *Faculty Coordinator*

The semester program is offered in Rio de Janeiro, São Paulo, Belo Horizonte and Brasília. The summer program takes place in Rio. Students enrolled for a semester generally take 15 credits and can choose from a full range of courses taught in Portuguese, the national

focus on learning Portuguese and understanding Brazilian culture.

Bulgaria

Summer Program in Veliko Turnovo

Prof. Rossen Roussev, *Faculty Coordinator*

This summer program offers students the opportunity to participate in the culture of one of the oldest countries in Europe. The three-credit course Metaphysics is an introduction to the major questions and issues dealt with in philosophy. Basic concepts of metaphysics, epistemology, ontology, ethics, aesthetics, religion, and metaphilosophy will be introduced in both historical and systematic perspectives. The architecturally preserved town of Veliko Turnovo has become a symbol of the co-existence between humans and nature.

China

China Summer program in Beijing and Shanghai

Dr. Bernadette Li, *Faculty Coordinator*

This program offers an exciting educational experience in China in cooperation with Peking and Fudan University. The three-credit course, Chinese Culture and Society, takes an interdisciplinary approach, with a curriculum including undergraduate and graduate-level lectures. This course offers students the opportunity to learn the essential features of Chinese culture and society, with an emphasis put on China's modern transformation. Lectures are given by high-caliber scholars and specialists in their respective fields.

France

Semester and Summer Program in Paris

Dr. Zoe Petropolou, *Faculty Coordinator*

The semester program in Paris is offered through Dauphine University. Students enrolled for a semester generally take 15 credits. Students can choose from a full range of business and other classes taught in both French and English. Classes in French language are also offered.

St. John's Semester and Summer Program in Paris immerses students in the French environment by putting them in daily contact with French culture, art, theater, food and people. The Summer Program in Paris combines the linguistic and cultural benefits of studying abroad with the guidance and academic support of well-trained faculty. Students may take up to six credits during their month-long stay.

Hungary

Summer and Semester Study Abroad Programs in Budapest

Dr. Susan Glanz, *Faculty Coordinator*

You may spend your summer in Budapest. Typically, students take three credits in the summer. The course in Criminal Justice offers students an international perspective.

Ireland

Semester and Year Programs in Dublin, Maynooth and Galway

Dr. William Griffin, *Faculty Coordinator*

Students can experience the best of Ireland by studying abroad for a full academic year at Saint Patrick's College in Maynooth, Trinity College, Dublin; University College, Dublin; or a semester or entire academic year at University College, Galway.

Saint Patrick's College offers Celtic studies, classical languages, computer sciences, Irish language/Gaelic, Irish studies, foreign languages, liberal arts, philosophy, religion/theology and the sciences.

Trinity College offers art history, business, classical civilizations, computer science, drama and theatre studies, economics, education, English, foreign languages, history, Irish language/Gaelic, mathematics, philosophy, political science, psychology, sociology, theology and the sciences.

University College, Dublin offers Celtic archaeology, economics, English, foreign languages, geography, Greek, Greek and Roman civilization, history, history of art, early Irish, Irish, Latin, linguistics, mathematics, mathematical physics, music, philosophy, politics, sociology and statistics.

University College, Galway offers archaeology, classical civilization, economics, English, foreign languages, geography, Greek, history, Irish, Latin, mathematics, mathematical physics, philosophy, psychology, sociology, politics, accounting, management, marketing and finance.

Italy

Semester and Summer Programs in Rome

Dr. Annalisa Sacca, *Faculty Coordinator*

Students can take up to six credits in the summer and 15 in the semester program, in areas such as Italian, international relations, art and architecture, Italian history and international marketing, among many others. In addition, summer students can travel as a group to other Italian cities, including Florence, Venice, Assisi, Pompeii and Paestum. Students in the semester program are required to take one course in Italian and to take part in a week-long trip to the European institutions in Brussels, Luxembourg and Strasbourg.

Japan

Semester or Year Program in Tokyo

Dr. William Nester, *Faculty Coordinator*

St. John's students have the option of studying at Sophia University, Japan's first Catholic University, for a full year (September to July) or for the spring semester only (February to July). Students may choose to study in the Department of Comparative Culture with academic programs in business and economics, political science, anthropology and sociology, history, art history, literature, philosophy, and religious studies. The courses are taught in English. Students may also choose to study in the Department of Japanese Languages and Studies. Students generally take 15 credits per semester.

Spain

Summer Program in Cádiz and Madrid

Dr. Nicholas J. Toscano, *Faculty Coordinator*

This summer program begins in Madrid, the nation's capital and economic center. Students also visit nearby Toledo and then the program proceeds to Cádiz, a historic city founded by the Phoenicians and famous for its beaches and seaport. Students in the summer program take one three-credit course in either language or literature.

The Galapagos Islands

Interession

Dr. Christopher Bazinet, *Faculty Coordinator*

This program offers the unique and exciting opportunity to follow in the footsteps of Charles Darwin as you explore the beautiful world of the islands, a thousand miles west of the Ecuadorian coast. The three-credit course Tropical Biology and Evolution is an introduction to the general principles and concepts of tropical ecology, biodiversity and evolution through direct experience of the ecosystems.

The Gambia

Summer Program in West Africa

Dr. Konrad Tuchscherer, *Faculty Coordinator*

Students studying in the Gambia summer program are able to experience Gambian culture and learn African history firsthand. The theme of the Gambia experience is Africa and the Atlantic, and students receive three credits for St. John's history course by that name. There is a service-learning component project—teaching Gambian elementary school children. This component allows the participants to compliment their intellectual endeavor with a community service undertaking.

Vietnam

Summer Program in Hanoi, Da Nang and Ho Chi Minh City

Dr. Hung Le, *Faculty Coordinator*

This summer program in Vietnam introduces students to a fascinating civilization with over 4,000 years of history. The three-credit course The Vietnam War, takes place in Hanoi, Da Nang, Hue and Ho Chi Ming City. It is presented through a dynamic combination of field research, readings and discussions by the students, along with lectures by the professors and distinguished Vietnamese and American experts. Students also engage in a service-learning project that will allow them to apply their course content in a real-life setting in Vietnam.

Exchange Programs

In addition to the program in Japan, St. John's University has exchange agreements with universities in Australia (Australian Catholic University), Brazil (USP, PUC-RIO, PUC-Minas), Chile (PUC-Chile), France (Dauphine University), Ireland (All Hallows), Jamaica, Barbados and Trinidad and Tobago (University of the West Indies), Japan (Sophia University) and Sweden (Uppsala University). For these institutions, semester- and year-long programs are available. Tuition and fees are paid to St. John's University, and all other costs are paid directly to the host institution. Inquire for more details.

General Entrance Requirements

Currently enrolled and matriculated undergraduate St. John's University students, as well as undergraduate students from accredited colleges and universities throughout the United States may apply to St. John's Study Abroad Programs.

Applicants are expected to:

1. Have completed at least one year of full-time undergraduate study
2. Have a minimum 2.75 cumulative index for college studies completed
3. Provide as references the names of two members of the faculty with whom they have studied within the past year
4. Demonstrate, by way of an interview, personal maturity sufficient to ensure that a program of study abroad may be successfully undertaken

In addition, students from other institutions are generally expected to:

1. Submit a completed Study Abroad Program application form
2. Provide an official copy of their transcript from their home institutions
3. Submit two letters of recommendation, at least one of which should be from a Professor, Advisor or Dean
4. Provide written approval from the Dean of their home institution

It is the responsibility of students to make certain that the courses in which they enroll are applicable for credit at their home institution. Decisions on admissions are made in accordance with St. John's University's policy, which provides for the complete processing of applications as soon as all required data are received. At that time, a decision is made and the prospective student is notified.

Students are urged to apply early in the semester prior to the one in which they seek to enroll. Generally, applications for the fall semester should be submitted no later than April 15; applications for the spring semester should be submitted no later than October 15. Applications for summer programs starting in June are due March 1, and applications for summer programs starting in July or August are due April 1. Qualified individuals applying after these dates may be admitted if spaces are available.

Passport/Visa

Students will need a valid passport to study abroad. If you already have a passport, make sure it will be valid for the entire time you are abroad. This should include at least 180 days beyond the end of the program. If your passport has already expired or will expire soon, you should apply for a new one immediately.

You can apply in person at any passport agency and designated post offices, or by mail using Form DSP-11, available from any passport office. Leave yourself at least two months' time, especially because some countries will also require that you apply for a student or visitor's visa.

Citizens of other countries residing in the United States should contact the nearest consulate of their country for passport and visa information. Embassies in Washington can provide information about consulates. Please be sure to check your status well in advance of traveling.

Insurance and Health Care

You must be covered by comprehensive health and accident insurance while you take part in our program, and your policy must cover claims outside the United States. It may be possible to add a rider for overseas protection on some policies. If you are not insured, you must enroll in an insurance plan designed especially for Americans traveling overseas.

Transfer of Credits

St. John's students receive St. John's credits; visiting students will receive St. John's transfer credits to their home institution.

Financial Aid

St. John's students, as well as visiting students, should contact the financial aid offices on their campuses for specific information on the type of aid available to each individual. Non-need-based grants are available to St. John's University students.

Deposit

In order to secure a place in the program, all students accepted for admission are required to forward a \$500 non-refundable deposit by a deadline date, which will be set forth in their letter of acceptance.

Refund Policy

Tuition is refunded in full prior to departure. After departure, refund of tuition follows a schedule set forth by the Study Abroad Program, included with the acceptance letter. All other uncommitted and unexpended fees are refunded up to two weeks prior to departure. As stated above, the deposit is non-refundable.

For an application, questions or further information, please contact:

St. John's University
Office of Study Abroad Program
Bent Hall, Room 388
8000 Utopia Pkwy
Queens, NY 11439
Tel. (718) 990-6105
Fax (718) 990-2321
intled@stjohns.edu

Biomedical Engineering B.S./M.S. Sequence

The Biomedical BS-MS curriculum is a five-year sequence offered jointly by St. John's University and Polytechnic University. The first three years of scientific fundamentals are completed at St. John's College on the Queens campus only. Candidates who attain a 3.0 average or better then transfer to the graduate Biomedical Engineering Program at Polytechnic University to complete two years of graduate study. Upon successfully completing the program, the student receives a B.S. degree from St. John's University and an M.S. degree from Polytechnic University. For additional program information, consult the Physics section of this bulletin.

Honors Program

The University Honors Program has the advantages of small classes, innovative teaching, and individualized faculty support for its students. Though based in the Core Curriculum, it also offers a substantial number of courses outside the Core and across the

schools and colleges of the University. This allows each student to tailor a program suitable to the individual major. It is also possible for Honors Program members to do independent supervised research under the guidance of a member of the faculty.

Honors Program students are among the most involved in campus leadership activities. Each semester, its members have the opportunity of attending many events, programs, concerts, and activities. These range from on-campus lectures to performances at the Metropolitan Opera and Broadway, museum visits, parties, receptions, lunches, and the spring student-faculty softball game. The program actively encourages community service, and many faculty members teaching honors courses include Academic Service Learning as one component of the syllabus.

At the end of the academic year, at a special ceremony, the Honors Program awards the Honors Certificate to each student who has completed thirty credits in the program. A special "Honors Program" notation, separate from University honors, appears on the final transcript.

For additional information, contact Dr. Robert Forman or Mr. Robert Pennacchio on the Queens Campus at (718) 990-7554, or Dr. John Brennan on the Staten Island campus at (718) 390-4540.

A selection of Honors Program offerings appears below.

Honors (HON) Course Offerings

Interdisciplinary

1000C	Discover New York
4950	Colloquium
4953	Readings and Research

English

1030C	English Composition
2150C	Literature in a Global Context
2100	The Study of American Literature
2110	The Study of British Literature

Fine Arts

2530C	Creativity and the Arts
2790	Contemporary Art and Culture

Government and Politics

1060	American National Government
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History

2200C	Emergence of Global Society
2210	World History

Mathematics

2520	Contemporary Math Ideas
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Languages

1100	Intensive Italian I/II
1200	Intensive French I/II
1300	Intensive Spanish II
2800C	Language and Culture

Philosophy

1010C	Philosophy of the Human Person
2020C	Ethics
2010C	Metaphysics
2500	Introduction to Logic

Psychology

1000C	Introductory Psychology
2070	Child Psychology
2210	Theories of Personality

Sciences

2700C	Scientific Inquiry
1070	Fundamentals of Biology I/Lab
1080	Fundamentals of Biology II/Lab
1310	Introduction to Physical Chemistry
1320	Descriptive Inorganic Chemistry/Lab

Sociology

1010C	Introduction to Psychology
2540	Neighborhoods

Speech

1000C	Public Speaking
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Theology

1050C	Perspectives on Christianity
1040	Introduction to the Bible
2400	Christian Spirituality and Mysticism
2430	Catholic Social Teaching
2440	Christian Marriage
3210	The Human Mystery

Division of Special and Opportunity Programs

The Division of Special and Opportunity Programs was created to provide students with a variety of programs and services designed to enhance their academic and personal development. Offered on both the Queens and Staten Island campuses, the division serves middle school, high school, and St. John's students.

Early Admission Program (Queens and Staten Island campuses)

The Early Admission to College Program is a collegiate program designed to provide an opportunity for qualified students to complete their freshman year of college at St. John's University upon the successful completion of the high school curriculum through the 11th grade level. These students enter as fully matriculated freshmen; they earn credits toward a college degree and also help satisfy high school diploma requirements.

At the conclusion of the freshman year, results of the student's performance are sent to the high school and become a part of the permanent record. Based upon the successful completion of a year of college study, the student is eligible to receive a high school diploma, without examination, from his or her own high school. Prior approval for the latter must be obtained from the high school principal or the local school board. If the

student passes the required Regents Examinations, he or she may also receive a New York State Regents High School Diploma.

Students are assigned an Advisor for the school in which the student is enrolled. The Advisor has the special responsibility for assisting the students in the selection of courses and programs to increase compatibility with their backgrounds and capacities.

High School Extension Program (Queens and Staten Island campuses)

The University's commitment to academic excellence is manifested through the High School Extension Program. This provides qualified students a concurrent enrollment in their high school and college credit-bearing courses from the University. This program is offered to qualified juniors and seniors during the academic year.

Specific courses are offered in the areas of English, mathematics, language, fine arts, science and business.

1. The program provides students with an opportunity to earn college credit while still in high school. This benefits high-achieving students to be further motivated and to get a "head start" on college.

2. It also provides reduced tuition costs to students and parents, and serves as an assessment of a student's ability to do college level work.

Scholars Program (Queens and Staten Island campuses)

The Scholars Program is designed for qualified high school students to pursue a limited program of collegiate studies. Students are permitted to take two courses during the summer semester at St. John's University and one course in the fall and spring semesters. They receive full college credit for each course. If admitted to the program, the student pays a nominal fee for each course taken during the semester.

For admission to the Scholars Program, the student must meet the following general qualifications:

- Demonstrate potential for college work as determined by the student's high school transcript through junior year and recommendations by the principal and/or guidance counselor
- Motivation and maturity as proven by an on-campus interview
- Approval by the Admissions Committee

Collegiate Science and Technology Entry Program (CSTEP)

(Queens campus)

The Collegiate Science and Technology Entry Program (CSTEP) provides minority students and/or income eligible college students with the opportunity to explore scientific, technical and health-related professions. The CSTEP program also provides its participants with a strong academic foundation necessary to enter licensed professions. Prospective students are selected in their freshman year.

GEAR UP

(Queens campus)

The GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs) Project, sponsored by the U.S. Department of Education, is designed to encourage its participants to have high expectations, stay in school, study hard and go to college. The project cohort is drawn from lower-income, first-generation middle school students from the Long Island City community. Services include tutoring, mentoring, and academic social and career counseling. In addition, students are invited to come to campus for tours, informational workshops (for both students and parents) and recreational and social events. Staff development for the partnership high school teachers and counselors is also provided.

Ronald E. McNair Scholars Program

(Queens campus)

Named after Dr. Ronald E. McNair, an African-American engineer, scientist and astronaut who met an unfortunate death in the 1986 space Challenger accident, the McNair program prepares first-generation/income eligible students and groups historically underrepresented in graduate study for post-baccalaureate education. Program participants may pursue any field of study leading to a doctorate degree. The ultimate goal of the program is to assist in diversifying college and university faculties. Prospective scholars are selected in the second semester of their sophomore year. A minimum GPA of 3.0 and completion of 60–66 credits are required for consideration.

Options Program

(Staten Island campus)

Options is a program offered through the Division of Special and Opportunity Programs that provides academic and financial assistance to eligible freshmen who live out of state. The purpose of the program is to offer assistance to those who, because of educational and economic circumstances, would be unable to attend an institution of higher learning. Students in the Options Program receive tutoring, mentoring and other academic

support as well as financial assistance. The Options Program is funded by the Sister Julia Heslin, Sister of Charity Scholarship Fund. Applicants accepted into the Options Program enter the University as matriculated students.

Science and Technology Entry Program (STEP)

(Queens campus)

This program was established by the New York State legislature in 1985 to assist students from racial and ethnic backgrounds who have historically been underrepresented in careers in the scientific, technological, health-related and licensed professions. St. John's University has made a commitment, since the inception of the program, to service the youth of the community in grades 7–12. This partnership of providing quality educational instruction, career and academic counseling, tutoring and educational workshops is provided during the fall and spring semesters.

College Bound: Liberty Partnerships Program

(Queens and Staten Island campuses)

The College Bound: Liberty Partnerships Program is coordinated by the New York State Education Department and St. John's University. The program is designed to provide supportive services to junior and senior high school students who are identified as having the potential to pursue a college education, but need assistance to complete secondary school. The purpose of the program is to provide a broad range of services designed to increase the academic skill development, motivation and morale of the College Bound student. These year-round services include: mentor/peer counseling, tutoring, developmental courses and social and enrichment activities.

Marine Corps Platoon Leaders Class

Students who have completed the first semester of freshman year in good standing may enroll in the Platoon Leaders Class as members of the United States Marine Corps Reserve. They must attend two six-week training sessions. Candidates after graduation will be commissioned in the Marine Corps, and will serve on active duty for three years during which they will receive additional training. For further information, contact The Officer Selection Office, 207 West 24th Street (at 7th Avenue), New York, NY 10011, or call (212) 620-6778.

Policy Provisions Applicable to All Accelerated Degree Programs

1. All combined/accelerated degree programs function within program descriptions approved by the Faculty and Graduate Councils and registered with the State Education Department; these descriptions set the terms of all academic and tuition issues, and the policies here articulated simply clarify what is consistent through all of them.
2. Matriculated undergraduate students must apply for and be accepted to any such program by the procedure articulated in the program description. They must meet the specific curricular prerequisites and academic standards for that program.
3. Since it is the intent of all such programs that students complete both programs in five years, it will be generally difficult for part-time students to participate in them. Full-time graduate matriculation in the fifth year is generally required, unless only part-time attendance is necessary to complete the graduate degree.
4. Any student who does not register for the final, fifth year of graduate courses after the baccalaureate will no longer be active in the program, and all graduate credits counted toward the baccalaureate will become ineligible for "double-dipping." Should such a student return later seeking to register, s/he will need to apply for the master's program as a regular applicant and will have to replace the graduate credits taken as an undergraduate with additional graduate courses; i.e., complete the full master's program after the baccalaureate. Graduate credits taken beyond those required for completion of the baccalaureate may be considered for advanced standing, as with any other applicant.
5. No matter when the student actually receives the baccalaureate or what s/he registers for, the differential (undergraduate) tuition rate IS LIMITED TO THE TOTAL OF GRADUATE CREDITS REQUIRED IN THE UNDERGRADUATE PORTION OF THE PROGRAM (9–18, or 24 in the case of some advanced-placement students in the B.S./M.S. Accounting program). Normally, all accelerated program students would be expected to achieve the baccalaureate after no more than eight semesters of undergraduate coursework and should be so advised. Any courses taken after graduation, including summer enrollments, are charged at the graduate tuition rate.

Financial Aid

St. John's University consistently strives to place an outstanding higher education within the financial reach of all qualified applicants. During the 2005-2006 academic year, the University awarded more than \$316 million in federal, state, University and external financial aid funds. More than \$126.9 million of this amount is provided from the University's own funds in grants-in-aid, scholarships and tuition remissions.

The Office of Financial Aid—in Newman Hall, Room B-28, on the Queens campus; in the Kelleher Center, Room 116, on the Staten Island campus; and on the first floor of the Manhattan campus—is responsible for the administration of all student assistance programs at the University. The professional financial aid staff is available to assist student aid applicants with financial aid advisement.

Financial aid is awarded on the basis of demonstrated financial need assessed by use of a standard financial aid application, currently the Free Application for Federal Student Aid (FAFSA), which analyzes the family income data provided on the FAFSA through the federally mandated Federal Methodology. The analysis is designed to assess the family's financial strength and determine the student's need for financial assistance by calculating an expected family contribution. The FAFSA's expected family contribution is subtracted from the student's total cost of education or budget at St. John's University. This calculates a student's financial need. All need-based financial aid must be awarded according to a student's calculated financial need.

All undergraduate students must file the FAFSA to be considered for all need-based aid, including University grants and all federal grants, loans and the work-study program. New York State residents should also apply for the Tuition Assistance Program (TAP) by filing the TAP application.

Continuing undergraduate students who filed for aid in the prior school year must file for financial aid via the Web in order to be considered for all sources of financial aid. Continuing students who are New York State residents should also file a TAP application.

The cost of education or budget for a typical full-time dependent commuter student is the total of current tuition and fees, books and supplies (\$1,000), transportation (\$1,100), personal expenses (\$1,800) and home maintenance (\$2,700). For self-supporting independent students and dependent students residing apart from their parents, the average budget is the total cost of current tuition and fees, books and supplies (\$1,000), transportation (\$1,100), personal expenses (\$1,800), off-campus room and board (\$11,470). The Office of Financial Aid may change the amounts of the "other educational costs" included in the cost of education when deemed necessary.

After reviewing a student's FAFSA needs analysis report and subtracting the expected

family contribution from the student's cost of education budget, the University determines the student's financial need. This is used to prepare a "financial aid package" outlining the state, federal and St. John's University funds available for the student in the form of gift assistance (grants or scholarships), loan assistance and/or work-study opportunities.

The Office of Admission awards University academic scholarships to eligible students, provided eligibility criteria are met (see section entitled "University Scholarships"). A scholarship applicant may file the FAFSA and TAP application if he or she would like to be considered for need-based aid. Recipients of St. John's full-tuition Presidential Scholarships must file the FAFSA and TAP applications. If the student is found eligible for a TAP award, these funds will be used in combination with the Presidential Scholarship to cover full tuition. All scholarship recipients will receive a financial aid package listing the amount of the scholarship award.

Students filing the FAFSA should be sure to designate St. John's University, Federal School Code #002823, as a recipient of the needs-analysis information.

The University's annual financial aid application filing deadline date is February 1. Students should file the FAFSA form as soon as possible after January 1. New York State residents should file the TAP application as well as the FAFSA so that eligibility for New York State aid might be determined. The FAFSA form may be obtained at the high school or the Office of Financial Aid. The TAP application will be mailed to the student by New York State after the FAFSA is processed. Both forms must be filed on an annual basis.

In view of the number of students who request consideration as independent applicants, the University reserves the right to utilize the same criteria as the federal government in determining the dependency status of financial aid recipients. At the present time, married undergraduate students, undergraduate students who are age 24 or older, or who are veterans, orphans or wards of the court, or who have a legal dependent other than a spouse may be considered independent. The University reserves the right to request documentation of independent status.

The instructions in the financial aid package letter should be read and followed carefully. Students are advised to register by mail if their financial aid is deducted from their tuition bill each semester. If all aid is not deducted, students should contact the Office of Financial Aid.

Accepted students who have filed all necessary forms by the deadline of February 1 will receive their financial aid packages in early spring. Inquiries for additional information regarding any of the programs listed should be addressed to the Office of Financial Aid at the

appropriate campus. Late financial aid applicants may not receive maximum aid consideration.

New York State Math and Science Teaching Incentive Program

The New York State Higher Education Services Corp. announces the New York State Math & Science Teaching Incentive Program. This is a competitive award program to increase the number of middle and secondary math and science teachers in New York State and help eligible students pay for college.

Eligible recipients may receive annual awards for not more than four academic years of undergraduate and one academic year of graduate full-time study while matriculated in an approved program leading to permanent certification as a secondary education teacher in mathematics or science.

The maximum amount of the award is equal to the annual tuition charged to New York State resident students attending an undergraduate program at the State University of New York (SUNY) or actual tuition, whichever is less. The current maximum award for the 2006-07 academic year is \$4,350. Payment will be made directly to schools on behalf of students upon certification of their successful completion of the academic year for which the student seeks payment.

Students receiving a New York State Math & Science Teaching incentive award must agree to teach math or science for five years on a full-time basis at a secondary school located within New York State, regardless of the amount or number of award payments received. Recipients who do not fulfill their service obligation will be required to repay their scholarship awards plus interest.

A *New York State Math and Science Teaching Incentive Program Supplement* form must be completed and postmarked by a deadline to be set by HESC. This form will be available on our Web site in January 2007.

Selected recipients must file the *Free Application for Federal Student Aid (FAFSA)* and the *Tuition Assistance Program (TAP) application* by May 1 of each academic year they seek payment under this program.

Any questions can be directed to the HESC Scholarship Unit at 1 (888) 697-4372.

Evening and Weekend Students Financial Aid

Students attending the Weekend and Evening Sessions of the University are eligible for all available financial aid programs, if they maintain at least 12 credits a semester as an evening student or at least eight credits a trimester as a weekend student. Full-time weekend students are eligible to apply for the TAP. Three-quarter and half-time students are eligible for the following: University financial grants-in-aid, New York State Aid for Part-Time Study (APTS), federal Supplemental Educational Opportunity Grant Program (SEOG), federal Perkins Loan Program, federal Work-Study Program, federal Pell Grant Program, the federal subsidized and unsubsidized Stafford Loan Program, provided they meet the requirements of the particular program as regulated by the University or federal and state agencies. Less than half-time students may qualify only for federal Pell Grants and/or APTS funds, but only when such governmental funding is available.

University Scholarships

St. John's University scholarships are highly competitive and available to students whose academic achievement and personal commitment display the values, compassion and pursuit of excellence which embody the spirit of the University.

Freshman and transfer scholarship awards range from full to partial tuition. For select scholarships, a personal interview may be required. All academic scholarship recipients must complete a minimum of 24 credits and maintain a cumulative grade point average of 3.0.

High school seniors entering in the fall who seek scholarship consideration must be accepted for admission by March 1. For transfer students, the deadline is April 15. Both freshmen and transfer students who plan to enter in the spring term must be accepted for admission by October 1. Only full-time students [12–18 credits] are eligible for scholarship awards.

Scholarship parameters and amounts are based on the strength of the applicant pool for any given program and are subject to change without notice.

University Presidential Scholarships provide a limited number of full-tuition scholarships (less any New York State Tuition Assistance Program (TAP) funds received).

Scholastic Excellence Scholarships are partial scholarships that range up to \$20,000 a year.

Academic Achievement Awards are partial scholarships that range up to \$12,000 annually.

University Transfer Scholarships are partial University scholarships ranging up to \$10,000 per year for new transfer students, based on academic record. Transfer students must have earned a minimum of 24 credit hours from an accredited institution.

Catholic Student Scholarships Catholic students are encouraged to apply for the Catholic Student Scholarship. Eligible candidates must (1) be Roman Catholic, (2) graduate from a high school, (3) complete the Catholic Student Scholarship application by February 15th (the application is available in the Office of Admission), and (4) complete the FAFSA by February 15th. Scholarship awards range between \$1,000 - \$2,500 a year, depending on financial need.

For the most up-to-date information about and policies concerning academic scholarships, visit the Web site at www.stjohns.edu.

St. John's University NYPD Cadet Corps Scholarship

St. John's University is proud to announce its partnership with the New York City Police Department to educate future leaders in law enforcement.

Eligible applicants must:

1. be a New York City resident
2. have a minimum C average and a minimum combined SAT (critical reading & math) of 900, and
3. be willing to apply to the NYPD Corps in their sophomore year as they approach the completion of 45 credits.

Freshman and sophomore year awards are for \$2,500 per year and Junior and Senior year awards are up to \$10,000 with a matching grant of \$10,000 from NYPD Cadet Corps.

Applications are available in the Office of Admission, and must be submitted by no later than March 1st of the student's senior year in high school.

The Ozanam Scholars Program

The Ozanam Scholarship was created to recognize Frederic Ozanam, a 19th century disciple of Vincent de Paul. Working selflessly on behalf of the poor, Ozanam's philosophy reflected Vincent's legacy of compassionate service.

Eligible applicants must have a strong academic record and show a dedication to serving the disadvantaged.

Students should have an 85 grade point average and a minimum combined SAT (critical reading and math) of 1050, although all students are encouraged to apply.

Applications are available in the Office of Admission, and must be submitted by no later than February 15th of the student's senior year in high school. Scholarship awards will be up to \$10,000 per year.

Special University Scholarships

The University has many scholarships funded through special endowments and donations. In most instances, academic merit and financial need are considered along with the particular requirements of the scholarship selection process. For further information, please contact the Office of Financial Aid.

Grants-in-Aid

Grants-in-aid are awarded to needy students and students who have special abilities or who make significant contribution to the University. Grants are based on financial need, extracurricular activities and forensic and athletic ability. Interested students should file the FAFSA, and may obtain further specific information regarding eligibility requirements from the Office of Financial Aid.

"Three-in-One Family" grants-in-aid provide one-half tuition to the third member of a family when there are three family members enrolled simultaneously at the University on a full-time basis. A letter requesting consideration for this special University grant and listing the three family members in attendance should be forwarded to the Office of Financial Aid. Each enrolled family member must also file a FAFSA annually for the duration of the time that all three are in attendance and the grant is requested.

Scholarships from Outside the University

Various associations, corporations, foundations and unions provide scholarships for recipients whom they select. Recipients may be selected based on financial need as attested to by the financial aid application. Interested candidates should seek information from available publications and directly from these groups. Additional information may be available from the Office of Financial Aid.

New York State Financial Aid

The programs of financial assistance in New York State are administered by the New York State Higher Education Services Corporation in Albany.

The Tuition Assistance Program (TAP)

This program provides grants ranging from \$100 to \$5,000 a year to full-time dependent undergraduates, and \$100 to \$3,025 yearly for full-time, single, independent undergraduates. Independent students with dependents are eligible for the same award ranges as dependent students.

TAP award amounts for all students (including new recipients) are subject to available New York State funding. All students should also note that the maximum award for juniors and seniors is reduced by \$200 a year. Awards are based on family New York State net taxable income. The TAP is an entitlement program with neither a qualifying examination nor a limited number of awards. The applicant must 1) be a resident of New York State and a U.S. citizen or permanent resident alien; 2) be enrolled full-time and matriculated at an approved New York State post-secondary institution; 3) have, if dependent or independent with dependents, a family New York net taxable income below \$80,000, or if independent and single, a net taxable income below \$10,000; and 4) be charged a tuition of at least \$200 a year. Undergraduate students may generally receive TAP awards for four years of study. Students enrolled in a state-sponsored opportunity program may receive undergraduate awards for five years. Graduate students may receive awards for four years under a graduate payment schedule.

Students may file for the TAP by means of the Electronic TAP Application, which will be forwarded by NYSHESC upon completion of the FAFSA.

The Academic Excellence Scholarship Program

This program provides up to \$1,500 to be awarded to the top graduating seniors in each high school in New York State. The awards are based on academic excellence as measured by the weighted average of a student's scores on Regents Exams taken by the student prior to the senior year. Applications are available at high school guidance offices.

Aid for Part-Time Study (APTS)

This New York State program provides grants to undergraduate part-time students who are New York State residents attending college in New York. There are awards up to \$2,000 per school year, based on family New York net taxable balance, financial need, total tuition cost and other assistance. APTS awards available to St. John's students are based on fluctuating yearly allocation from New York State. The New York net taxable income cutoffs for APTS eligibility are currently \$50,550 for dependent students and \$34,250 for independent students. APTS applicants must be residents of New York State, U.S. citizens or permanent residents and normally at least half-time students (carrying 6–11 credits per term). Applications for APTS may be obtained at the Office of Financial Aid and should be filed with this office at least 30 days prior to the start of each semester for which application is made. Award amounts for less than half-time students are available only when funding permits.

Child of Veteran Awards

These awards are for children of veterans who are deceased, disabled or missing in action as the result of service in the armed forces of the U.S. during wartime and/or periods of armed conflict, or who were classified as prisoners of war during such service. The student must currently be a resident of New York State and be matriculated full-time in an approved program in New York State. An award provides \$450 per year toward undergraduate study. Eligible students should request the special Child of Veteran Award Supplement from NYSHESC, 99 Washington Avenue, Albany, NY 12255. The special supplement does not replace filing for state aid on the TAP Application. After eligibility has been approved, the student must apply for state aid annually and the Child of Veteran Award will be renewed unless the disability conditions change. NYSHESC must be notified of new conditions.

Vietnam Veterans Tuition (VVTa) Awards

These awards provide financial assistance to veterans of the armed forces of the U.S. who served in Indochina between January 1, 1963 and May 7, 1975. Awards are available for full-and part-time study in an undergraduate degree program. Veterans are required to establish eligibility for the program by September 1, 1998.

Full-time awards are \$1,000 per semester or tuition, whichever is less, and are available for four years of full-time study (or for five years in an approved five-year bachelor's degree program). The applicant is required to apply for a TAP award and a federal Pell Grant. If a TAP award is approved, the combination of TAP and VVTa cannot exceed tuition.

Part-time awards are \$500 per semester or tuition, whichever is less, and are for students taking 3–11 credit hours (or the equivalent) per semester. The awards are available for up to 16 semesters (eight years), or 20 semesters (10 years) in an approved program that would normally require five years if the study were full-time. The applicant must apply for a federal Pell Grant. For further information, contact NYSHESC at the address listed and request a Vietnam Veterans Tuition Award Supplement.

World Trade Center Memorial Scholarships

These scholarships guarantee access to a college education for the children, spouses and financial dependents of innocent victims who died or were severely and permanently disabled as a result of the September 11, 2001, terrorists attacks on the U.S. and rescue and recovery efforts. This includes victims at the World Trade Center site, the Pentagon or on Flights 11, 77, 93 or 175. The award amount varies depending on financial need. Total aid received cannot exceed the student's cost of

attendance. Submit a copy of the New York State World Trade Center Memorial Scholarship application, with the necessary documentation, to: NYSHESC Scholarship Unit, 99 Washington Avenue, Albany, NY 12255. A description of the required documentation is included in the application instructions. Undergraduate students who are full-time and matriculated in an approved program in New York State and meet requirements for the receipt of New York State grants and scholarships are eligible. Recipients need not be New York State residents or U.S. citizens to receive the scholarship. Note: New York State resident family members who were enrolled in undergraduate colleges or universities located outside of the State on September 11, 2001, are also eligible for scholarship payment at that school.

Persian Gulf Veterans Tuition Awards

These awards provide up to \$1,000 per semester for full-time study or \$500 per semester for part-time study to Persian Gulf veterans matriculated at an undergraduate or graduate degree-granting institution or in an approved vocational training program in New York State. For full-time study, awards are \$1,000 per semester or tuition, whichever is less. Full-time study is defined as 12 or more credits per semester (or the equivalent) at a degree-granting institution, or 24 or more hours per week in a vocational training program. For part-time study, awards are \$500 per semester or tuition, whichever is less. Part-time study is defined as 3–11 credits per semester (or the equivalent) at a degree-granting institution, or 6–23 or more hours per week in a vocational training program. If a Tuition Assistance Program (TAP) award is also received, the combined academic year award cannot exceed tuition. Thus, the TAP award will be reduced accordingly. Total undergraduate and graduate veterans tuition awards received cannot exceed \$10,000. For eligibility, students must have served in the U.S. Armed Forces in the hostilities that occurred in the Persian Gulf from August 2, 1990, to the end of such hostilities as evidenced by receipt of the Southwest Asia Service Medal, which was awarded from August 2, 1990, to November 30, 1995; have established eligibility by applying to HESC on or before September 1, 2002; be NYS residents; have been discharged from the U.S. Armed Forces under other than dishonorable conditions; be matriculated full or part-time at an undergraduate or graduate degree-granting institution in NYS or in an approved vocational training program in NYS; have applied for a Tuition Assistance Program (TAP) award if full-time; have applied for a federal Pell Grant award for full-time or part-time undergraduate study, or enrollment in a vocational training program. All applications must be completed by May 1 of the academic year for which an award is sought.

Standards of Satisfactory Academic Progress for the Purpose of Determining Eligibility for State Student Aid

UNDERGRADUATE

Before being certified for this payment, a student must have accrued the amount of credits indicated, with at least the corresponding grade point average.

Semester	Credits	Grade Point Average
First	0	0
Second	3	1.1
Third	9	1.2
Fourth	21	1.3
Fifth	33	2.0
Sixth	45	2.0
Seventh	60	2.0
Eighth	75	2.0
Ninth*	90	2.0
Tenth*	105	2.0

*HEOP students only

Professional Opportunity Scholarships

These scholarships were established to increase the number of minority group professionals practicing in New York State. A limited number of undergraduate awards ranging from \$1,000–\$5,000 per year for up to four years are available for study in many professional licensure-qualifying fields, such as accounting, architecture, chiropractic, dental hygiene, engineering, landscape architecture, law, nursing, occupational therapy, occupational therapy assistant, ophthalmic dispensing, optometry, pharmacy, physical therapist assistant, physician's assistant, physical therapy, psychology, social work, speech-language pathology/audiology, or veterinary medicine.

Legal residents of New York State who are or will be enrolled in approved study programs and who agree to a service commitment are eligible to apply for these awards. Further information and application forms are available at the Office of Financial Aid or NYS Education Department, Bureau of Higher Education Opportunity Programs/VATEA/Scholarships, Cultural Education Center, Room 5A55, Albany, NY 12230.

New York State Post-Secondary Education Fund for Native American Students

This fund is for students who are New York State residents and listed on the official rolls of a New York State tribe or children of enrolled tribal members. Applicants must have graduated from an accredited high school, possess a high school equivalency (GED) or be enrolled in an approved 24-credit GED program. Students must be accepted at or attend an approved collegiate or non-collegiate program offered by a post-secondary institution located in NYS. Grant amounts range up to \$1,550 per year to a total of \$6,200 (to \$7,750 for an approved five-year program). For information contact: New York State Education Department, Native American

Education Unit, Room 543, Education Building, Albany, NY 12234.

Satisfactory Academic Progress Requirements for New York State Aid Recipients

St. John's University must comply with the New York State Education Department regulations (Section 145-2.2) as they pertain to a student's satisfactory academic progress and program pursuit for the purposes of determining student eligibility for state financial assistance. These regulations apply both to full-time and part-time state aid recipients. Part-time students are referred to the University's "Satisfactory Progress" brochure for specific information for part-time state aid recipients. Students applying for full-time state financial assistance such as the Tuition Assistance Program (TAP) must meet the minimum standards for satisfactory academic progress and program pursuit as listed below in order to continue their eligibility for state financial assistance.

New York State Aid Program Pursuit Requirements for Full-Time Undergraduate Students

If you are a full-time undergraduate student receiving a TAP award or any other New York State grant or scholarship, you must meet the NYS Education Department's requirements for both satisfactory academic progress and program pursuit. For purposes of continued state aid eligibility, students are reviewed at the end of every semester for eligibility for the following term.

Program pursuit means making a passing or failing grade in the following percentages of a full-time program (which is a minimum of 12 credits a semester):

First Year of Tap Payment: 50% of a minimum standard full-time program must be completed each semester (six credits per semester).

Second Year of Tap Payment: 75% of a minimum standard full-time program must be completed each semester (nine credits per semester).

Third and Fourth Year of Tap Payments: 100% of minimum standard full-time program must be completed each semester (12 credits per semester).

You must make program pursuit every semester in order to be eligible to receive your state aid for the following semester.

In addition to these program pursuit requirements you must also make satisfactory academic progress. This means that you must complete a certain number of credits each semester, with a certain cumulative index to be eligible for the next semester's award. Important: All students receiving state aid must maintain a 2.0 cumulative grade point average starting with the receipt of the fifth semester of state aid.

For additional information regarding the academic progress requirements for financial aid eligibility, students should visit the Office of Financial Aid.

New York State Aid Program Pursuit Requirements for Part-Time Undergraduate Students

Undergraduate students receiving New York State Aid for Part-Time Study (APTS) must also meet requirements for both satisfactory academic progress and program pursuit. These requirements closely follow the requirements for full-time undergraduate students receiving TAP awards.

Program pursuit entails making a passing or failing grade in the following percentages of a part-time program

First Year of APTS Payment: 50% of a part-time program must be completed each semester.

Second Year of APTS Payment: 75% of part-time program must be completed each semester.

Third and All Subsequent Years: 100% of part-time program must be completed each semester.

In order to be eligible for state aid the following semester, you must make program pursuit every semester.

To make satisfactory academic progress, the student must successfully complete a minimum number of semester hours of credit with a minimum grade point average according to the same satisfactory progress chart that is printed in the previous section for full-time undergraduate TAP recipients. The difference here is that part-time APTS recipients are not reviewed every semester for satisfactory academic progress; instead, their academic progress is reviewed in 12-credit increments. Each accumulation of 12 credits attempted counts for one semester on the full-time chart; an APTS recipient must

meet the academic progress requirements for number of credits completed and cumulative average step by step on this chart after each accumulation of 12 credits attempted.

A part-time recipient of New York State aid who fails to meet the program pursuit or satisfactory academic progress requirements in a particular semester may wish to make up the necessary credits or achieve the required cumulative index by pursuing credits at his/her own expense in a given semester. By so doing, he or she will hopefully make up the deficiency and be eligible to receive his/her New York State aid in the following semester.

Federal Financial Aid

Applicants for any type of federal financial aid must file the Free Application for Federal Student Aid (FAFSA), which is available either at the student's high school or the Office of Financial Aid. The output sent to the student who files this form is called a federal Student Aid Report (SAR). As long as St. John's University is listed on the student's SAR and no corrections have been made to the original information submitted, the student may keep the SAR for his/her records.

Recipients of federal financial aid (grants, work study or any federal loan) must make satisfactory academic progress to continue to be eligible to receive such aid. Standards for federal aid recipients differ from standards for state aid. Federal standards are outlined under the heading "Satisfactory Academic Progress Requirements for Federal and/or St. John's-Funded Financial Aid Recipients."

Federal Pell Grant Program

This is a federal financial aid program providing financial assistance to needy post-secondary school students. The 2007-2008 maximum federal Pell award is \$4,310 per year. When a student files FAFSA, his/her federal Pell Grant eligibility is determined. Funding is credited to the student's tuition for each semester. The program is open to both full-time and part-time students. Students carrying at least 12 credits per semester are considered full-time. Students carrying 9–11 credits are three-quarter time; those carrying 6–8 credits are classified as half-time. When federal funding permits, awards may be made to less than half-time students.

Federal Perkins Loan Program

This program (formerly the National Direct Student Loan Program-NDSL) makes funds available for student loans on a low-interest, long-term basis. Applicants must be either formally accepted for admission or currently in attendance at the University as full-or part-time students. Undergraduate students who meet the financial need factor may borrow up to \$4,000 per year for a maximum of \$20,000 over a four-or five-year period. The current Perkins Loan interest rate is 5%.

Payment is not required for up to three years of active U.S. military service or service in the Peace Corps, VISTA or similar national programs, parental leave and other qualified deferments. A cancellation benefit exists for those graduates who teach in federally designated low-income areas. Some other cancellation benefits also exist. Repayment and interest does not begin until nine months after the student leaves school and may extend to 10 years. For further information on deferments and cancellations, please contact the Office of Financial Aid.

Federal Health Professions Loan Program

This is a federally-sponsored loan program open to Pharmacy majors at St. John's University. St. John's awards federal Health Professions Loans only to full-time "dependent" students; eligibility is determined based on a review of the student's FAFSA.

The present interest rate for federal Health Professions Loans is 5% with deferment of loan payments while the student remains in school on a full-time basis. A 12-month grace period, during which time no interest accrues, begins when the student leaves school or falls below full-time status. Information on deferments and cancellations may be obtained at the Office of Financial Aid.

Federal Work-Study Program

This program offers qualified students part-time employment with the University (on-campus) and at various non-profit and for-profit agencies (off-campus). Interested students who meet federal guidelines are interviewed following their registration.

Federal Supplemental Educational Opportunity Grants

These grants are awarded to undergraduates based on financial need and range up to \$4,000 annually. Priority is given to Pell eligible students.

Robert C. Byrd Honors Scholarships

These scholarships were established by the federal government to recognize outstanding academic achievement. Applicants must be graduating high school seniors who show promise of continued excellence. Selection is based on SAT or ACT score and grade point average. Recipients may receive \$1,100 per year for up to four years of undergraduate study. In New York State, this program is administered by NYSHESC, and the number of awards made each year is based on annual federal appropriations. Further information and application forms are available at your high school guidance office or the NYS Education Dept., Bureau of Higher Education Opportunity Programs/VATEA/Scholarships, Cultural Education Center, Room 5A55, Albany, New York 12230.

Army ROTC Scholarships

These scholarships offer financial assistance for qualified students interested in the ROTC program. Four-year, three-year and two-year scholarships are offered. The U.S. Army pays full or partial tuition, fees, textbook and other required expenses, except room and board. In addition, a \$100 monthly stipend during the academic year is available to upper division students. Selection is based on academic excellence, extracurricular activities, physical standards, results of college entrance board examinations and evaluation of motivation and leadership potential. Upon graduation and successful completion of the Army ROTC program, scholarship students are commissioned as Regular Army or Reserve Second Lieutenants and serve on active or reserve duty. For information, contact the ROTC Office on the Queens campus.

Higher Education Grant Program for American Indians/Alaskan Natives

This program is available to a person who is a member of a federally recognized Indian tribe eligible to receive services from the U.S. Department of the Interior. Award amounts are based on a student's unmet financial needs; award amounts vary by region. Interested applicants must file a FAFSA on a yearly basis and seek conventional aid through the post-secondary institution. Application forms and additional information is available from the student's local tribal office.

Federal Family Education Loan Programs (FFEL)

Federal Stafford Loans

Who Is Eligible? In order to be eligible for a student loan, the student must be matriculated, attend at least half-time, be a U.S. citizen or permanent resident and must maintain satisfactory academic progress. Students must show need for subsidized Stafford Loans. Unsubsidized Stafford Loans are not based on need.

Students borrow these loans to meet their college expenses. For need-based loans (federal subsidized Stafford Loans), no repayment or interest is accrued while attending college. For non-need-based loans (federal unsubsidized Stafford Loans), interest accrues while attending school. Yearly loan amounts are disbursed twice a year (half of the year's approved amount each semester). Student loan funds are received via Electronic Funds Transfer (EFT) at St. John's University. If the student's lender does not participate in EFT, a check will be sent made co-payable to the student and the University. In this case the student will have to report to the Office of the Bursar to endorse the check.

Maximum Annual Loan Amount 2007–2008				
Borrower's School Year	Dependent Student	Independent Student Only		
	TOTAL subsidized and unsubsidized	BASE AMOUNT subsidized and unsubsidized	ADDITIONAL unsubsidized only	TOTAL AMOUNT
First-year undergraduate (0-24 credits completed)	\$3,500	\$3,500	+ \$4,000	= \$7,500
Second-year undergraduate (25-55 credits completed)	\$4,500	\$4,500	+ \$4,000	= \$8,500
Third-year and beyond undergraduate (56 credits and more completed)	\$5,500	\$5,500	+ \$5,000	= \$10,500
Total outstanding debt:				
Dependent undergraduate	\$23,000	Independent undergraduate		\$46,000

Application Process: Students must complete the FAFSA to determine eligibility. Once eligibility is determined, the student receives instructions in the mail from the New York State Higher Education Services Corporation (NYSHESC), explaining how to visit www.hesc.com to electronically sign (e-sign) the Federal Stafford Loan Master Promissory Note (MPN).

The federal Stafford Loan MPN allows a student to apply for both a subsidized and unsubsidized loan. All first-time borrowers are required to complete an entrance interview before they can receive their student loan funds. Visit www.mapping-your-future.org to fulfill this requirement by completing the entrance interview online.

When Does Repayment Begin? Beginning six months after graduation or withdrawal from the University, repayment may be made over a ten-year period. Repayment is made directly to the bank issuing the loan, and the bank issues the payment schedule. Beginning in July 1, 2006, new loans have fixed interest rate 6.80%.*

These rates are good through June 30, 2005. Borrowers are charged an origination fee and an insurance fee, which are deducted from the loan proceeds prior to disbursement. Students receiving federal unsubsidized Stafford Loans will have their interest capitalized, which means it will be added to their balance, unless they elect to make interest payments while in school.

Federal Parent Loan for Undergraduate Students (PLUS)

Who Is Eligible? Parents and stepparents of dependent undergraduate students attending school at least half-time (six credits) are eligible for a PLUS loan. Both the borrower and the student must be a U.S. citizen/national, a permanent resident alien or other eligible non-citizen to qualify for a PLUS loan. The student must be making satisfactory progress in a degree program.

Beginning in July 1, 2006, new loans have a fixed interest rate of 8.50%.

Application Process: Students whose parents are interested in applying for a federal PLUS Loan should complete the FAFSA. After the student receives his/her Financial Aid Award Letter, the parent must complete the PLUS pre-approval process with their lender. Once St. John's University receives notification of the pre-approval, the parent will receive a pre-printed federal PLUS loan Master Promissory Note, which must be completed and returned to the New York State Higher Education Services Corporation (NYSHESC).

How Long? Parents must begin repayment within 60 days of loan disbursement. Payment is made directly to the lender issuing the loan according to a schedule set up by the lender and the parents. Lenders may offer parents an option to defer payment of the principal and/or interest on federal PLUS loans only if the parent is a full-time college student. Repayments must be completed within five to ten years, depending on how much is borrowed.

Satisfactory Academic Progress Requirements for Federal and/or St. John's Funded Financial Aid Recipients (undergraduate students)

As an undergraduate student, your academic progress is reviewed at the end of each school year, and you must meet the following satisfactory academic progress requirements if you are the recipient of any of these federal or institutional aid programs:

Federal: federal Pell Grant, federal Supplemental Educational Opportunity Grant (SEOG), Federal Work Study (FWSP), federal Perkins Loan, federal Stafford Loan (both subsidized and unsubsidized), federal Parent Loan for Undergraduate Students (PLUS).

Institutional: All St. John's grants-in-aid, all St. John's Scholarships,* all St. John's tuition remissions.

There is a maximum length of time set for completion of a degree program with the benefit of receipt of federal and/or University-funded (institutional) financial assistance.

	Full-Time Students	Part-Time Students
Regular Baccalaureate	6 years	Time limits are based on the full-time limits converted to part-time equivalents.
Associate	3 years	

**Recipients of St. John's various scholarships must meet the stricter requirements of these programs regarding cumulative index achieved so as to maintain continued eligibility for these academic-based programs. Also, all St. John's grants-in-aid and the majority of St. John's scholarships are available for undergraduate students only.*

**Interest rates on federal loans are subject to change based upon changes of federal regulations.*

Measurable Satisfactory Academic Progress for an Undergraduate Student:

1. The student must complete 70% of credits attempted upon review at the end of each school year of enrollment. (You may make up credits during the summer, at your own expense, to establish continued aid eligibility for the next school year.)
2. The student must maintain a cumulative grade point average (GPA) of 1.50 at the end of the first academic year and 2.0 by the end of the second academic year and all subsequent school years. (You may attempt to achieve the necessary cumulative index through attendance in summer school, at your own expense, to establish continued aid eligibility for the next school year.)
3. Recipients of St. John's scholarships requiring the maintenance of a 3.0 cumulative index must adhere to these stricter standards.

Review Policies:

1. At the end of each school year the GPA and number of credits attempted and earned by each student will be reviewed.
2. The following will be considered as credits completed
 - a. A through D grades
 - b. P (passing with credit) grades
 - c. Transfer credits
 - d. Advanced Placement (AP) credits
3. The following will not be considered as credits completed:
 - a. F grades
 - b. AU (audit, no credit) grades
 - c. WD (withdrawal*) grades
 - d. AB (absent, incomplete) grades
 - e. IN (incomplete) grades
 - f. Non-credit remedial courses
 - g. ESL courses
 - h. UW (unofficial withdrawal)* grades
 - i. ABF-(absent/failure)* grades
 - j. X (failure)

**Note that while WD, UW and ABF grades are not considered as credits completed, they will be included in credits "attempted" in the satisfactory progress review.*

Probationary Status

Recipients of federal and/or St. John's-funded aid who fail to meet the GPA or completion rate requirements as outlined are placed on Financial Aid Probation for one semester. While on Financial Aid Probation, the student is eligible to receive student financial aid. Students failing to meet GPA or completion rate requirements by the end of their probationary period automatically become ineligible to receive financial aid.

Financial Aid Suspension

If a student fails to complete at least 70% of credits attempted and/or fails to achieve the required GPA after one probationary term, financial aid eligibility will be suspended and aid for the subsequent semester will be terminated.

Waivers for NY State/ Federal/ St. John's Aid

A suspended-aid status can be waived for one semester if the student has had mitigating circumstances such as personal illness or injury, the death of an immediate family member, etc. All students in suspended-aid status will receive a waiver form to complete and return to the Office of Financial Aid. Upon review of the circumstances, the student will be notified in writing whether or not the waiver was approved.

**Note that while WD, UW and ABF grades are not considered as credits completed, they will be included in credits "attempted" in the satisfactory progress review.*

Student Support Services and Resources

Alumni Relations

Currently, the St. John's University Office of Alumni Relations sponsors and oversees over 20 constituent groups (organized by college and other affiliations) and more than 40 regional chapters. These groups touch many of the more than 150,000 worldwide alumni. Graduates of the St. John's University who make an annual contribution to the University are able to enjoy quality benefits provided by the Annual Contributor Program. Not only does an alumni contribution support high-quality education for deserving students, it also entitles the contributor to a myriad of discounts and services with a family of corporate partners. Find out more about these benefits and stay connected with St. John's University and fellow classmates by visiting www.stjohns.edu/alumni.

The Office of Alumni Relations:

- Coordinates social and educational functions throughout the year
- Offers tickets to cultural and entertainment events
- Sponsors professional networking and career development opportunities
- Offers group travel and tour programs
- Sponsors and implements alumni reunion and homecoming events
- Sponsors alumni receptions and athletic events both at home and away
- Publishes the tri-annual Alumni Magazine and an Alumni Directory (online community to be live late in 2007)
- Participates with the Career Center on the Alumni Mentor Program
- Sponsors the Future Alumni Association (FAA) for current students
- Sponsors the Graduates of the Last Decade (GOLD) program
- Coordinates over 15 annual school-specific or career-related COACH (Count On Alumni for Career Help) programs, including the "Insiders View of the Capital" program with the Washington, DC, regional chapter

For more information regarding the Office of Alumni Relations, visit www.stjohns.edu/alumni or call the Queens campus at (718) 990-6232; the Staten Island campus at (718) 448-2272; or the Rome campus at 011 39 (06) 393-842.

Athletics

St. John's University offers 17 intercollegiate athletic team sports for student-athletes. These teams participate in the highest level of athletic competition in a variety of collegiate organizations. The University is a member of the National Collegiate Athletic Association (NCAA), Eastern College Athletic Conference (ECAC), Big East Conference, Intercollegiate Association of Amateur Athletics of America (IC4A), Metropolitan Intercollegiate Track and Field Association (MTFA), Intercollegiate

Fencing Association (IFA) and National Intercollegiate Fencing Association (NIFA).

In women's intercollegiate athletics, St. John's University competes against NCAA Division I competition in basketball (a 20-win Season and NCAA Tournament berth in 2005-2006), softball, fencing (Co-national Championship in 2001 with the men's team, Co-national runner-up in 2007 with the men's team), tennis, cross country, indoor and outdoor track and field (a BIG EAST Championship in 2005 and several individual titles in 2005 & 2006), soccer (Ian Stone BIG EAST Coach of the Year in 2006), volleyball (BIG EAST Regular Season Champion in 2006, NCAA Tournament Berth in 2006, Joanne Persico-Smith BIG EAST Coach of the Year in 2006) and golf (a BIG EAST Championship in 2005) for a total of 10 teams.

Men's intercollegiate athletic teams total seven and consist of baseball (6 NCAA College World Series appearances, 2005 & 2007 BIG EAST Regular Season Champions), basketball (where the team plays a majority of its home games at Madison Square Garden), fencing (Co-national Championship in 2001 with the women's team, NCAA individual champion, Co-national runner up in 2007 with the women's team), lacrosse (debuted in 2005), soccer (the first St. John's team to win an NCAA National Championship in 1996, 16th straight NCAA appearance in 2006), tennis (BIG EAST Championship in 1991) and golf (NCAA appearance in 2007).

Campus Ministry

Campus Ministry at St. John's University is people, programs, places and most importantly, a presence. The staff of Vincentian priests, religious women and lay ministers are all actively engaged in the development of a vibrant Christian community on the Queens, Staten Island and Manhattan campuses.

Vincentian in tradition, Campus Ministry also seeks to instill in the University community a deep concern for the rights and dignity of the human person, especially the poor and most vulnerable. They hope to share with others the heritage of the Gospel, which is the source of life at the University and the very reason for its existence.

The weekend retreat experience is an important part of the Campus Ministry program, offering students time away from the pressure of classes and working to reflect, take stock, relax and give thanks. Retreats are conducted by student leaders and staff at the Vincentian Renewal Center in Princeton, NJ.

Campuses offer weeklong programs during the semester breaks with sites in Philadelphia, inner-city Brooklyn, Harlem and David, KY. This enables students to live and work among the poor with emphasis on prayer, service and community. On a weekly basis there are many opportunities to serve the needs of people in the metropolitan area through soup kitchens and shelters.

The St. Vincent de Paul Society is a student service organization sponsored by Campus Ministry. The members are involved in weekly service opportunities such as serving in soup kitchens, shelters and schools. They also sponsor service projects and fundraisers throughout the year.

The University community is served by students, staff, faculty and administrators through various ministries in the Chapel such as readers, Eucharistic Ministers, singers and musicians.

The RCIA program is available for those who are thinking of becoming Catholics and for Catholics who wish to receive First Communion or Confirmation or would like to be a sponsor for a candidate.

On the Queens campus, the Eucharist is celebrated daily at 8 a.m. and 12:15 p.m. in St. Thomas More Church. There is a Sunday celebration at 11 a.m. followed by a coffee hour. The opportunity for reconciliation is also available each day. A special mass for students is held on Sunday evenings at 6 p.m. Following liturgy, we gather as community for snacks and friendship.

On the Staten Island campus, the Eucharist is celebrated at noon on class days in St. Vincent de Paul Chapel. The opportunity for reconciliation is also available each day. Special masses for campus groups are arranged with the Campus Ministers. The Campus Ministry Advisory Council sponsors student activities for the poor and disabled.

The Campus Ministers are always available to help with any personal, moral or religious questions or concerns.

Campus Recreation

The Department of Campus Recreation promotes the physical and moral well-being of students through intramural and intercollegiate athletics.

The recreational facilities and intramural programs help students achieve physical development, neuromuscular skill and social enjoyment through sports. The new Carnesecca Arena (renamed for legendary Hall of Famer Lou Carnesecca) and state-of-the-art Athletic Field House (opened in the fall of 2005), both housed on the Queens campus, and the Campus Gym Center, on the Staten Island campus, are open to students from 7 a.m. to 11 p.m. on school days, 10 a.m. to 9 p.m. on Saturdays, and noon to 9 p.m. on Sundays.

The Queens campus athletics facilities also include basketball and racquetball courts, an all-purpose exercise room and Fitness Center. In addition, the lighted DaSilva Memorial Field with state-of-the-art Fast Track 942 and Field Turf (used by the women's track and men's lacrosse teams), Belson Stadium (used by men's and women's soccer), The Ballpark at St. John's (used by the baseball team) and the Red Storm Field (used by women's softball) are all modern facilities that are among the best in the country.

The main campus in Queens also hosts the following intramural tournaments and events: 5-on-5 basketball leagues (including a women's division), women's volleyball leagues, co-ed volleyball tournaments (with the possibility of playing outdoors), three-point shooting contests, free-throw shooting contests, softball leagues, a softball hitting contest, a spring fun run and table tennis tournaments. Class instruction is also available in aerobics, fitness, tennis and weight training.

On the Staten Island campus, intramural tournaments for men and women are conducted in basketball, tennis, softball and volleyball. There are men's intramural football, softball, basketball and volleyball programs as well as women's softball and women's volleyball programs. There is also a co-ed karate club which participates in intercollegiate competitions. Full-time undergraduates from the Staten Island campus are eligible to participate on all intercollegiate teams of the University. The Intercollegiate Program is supervised by the Director of Athletics.

Club sports include bowling, volleyball, equestrian, judo, karate, modern dance, ultimate frisbee, wiffleball and table tennis.

Communications Facilities

Courses in the area of communications and TV/film studies are supported by the Radio and Television Studios, and the Computer Graphics Lab, located on the fourth floor of Marillac Hall.

The Radio and Television Center is a broadcast-quality production and post-production facility that can accommodate both in-studio and on-location productions. The TV Studio features three high-quality color cameras, a computerized lighting system, a 14-channel audio board, digital video effects, electronic character generator with graphics capability, teleprompters and a professional announcer booth for voice-over recordings. The facility can accommodate the recording of talk shows and interview or instructional programs to digital tape. Dedicated laboratories allow for non-linear, digital editing, computer graphics and animation, as well as desktop publishing.

The Radio Studio is equipped to record music, news, interviews and commercial programs. The Center's atmosphere and equipment afford an exposure to a broadcast-quality facility that prepares students for entry into the communications industry. At the Staten Island campus, the radio facilities, located in DaSilva Hall, are used in the production of a wide range of program formats from news to dramatic performances. Production equipment in the radio control booth include compact discs, digital minidisks, cassette recorders, and editing and announcing facilities.

The University maintains state-of-the-art facilities for the layout, design and production of a modern newspaper. The facilities include word processors, computer software and

equipment for professional quality art, design layout and photography.

Food Service Facilities

St. John's University's Dining Services offers dining options that meet your hectic schedule. With new facilities, exciting culinary additions at each venue and a midterm visit from a Global Chef, we offer the Ultimate Dining Experience! For more information regarding campus dining and all of our great locations, please visit www.stjohns.edu/dining or call our office at (718) 990-1535.

Queens Campus

Montgoris Dining Hall

Monday-Thursday 7 a.m.–8:30 p.m.
Friday 7 a.m.–7:30 p.m.
Saturday-Sunday 10:30 a.m.–7:30 p.m.

Hungry Johnnie C-Store at Montgoris

Monday-Thursday 7 a.m.–1 a.m.
Friday 7 a.m.–11 p.m.
Saturday 11 a.m.–11 p.m.
Sunday 11 a.m.–1 a.m.

Marillac Food Court

Monday-Thursday 7 a.m. – 8 p.m.
Friday 7 a.m.–6 p.m.
Saturday 8 a.m.–2 p.m.
Sunday CLOSED

Jazzman's Cafe at the Library

Monday-Thursday 8 a.m.–10 p.m.
Friday 8 a.m.–3 p.m.
Saturday 9 a.m.–5 p.m.
Sunday 9 a.m.–4 p.m.

Sullivan Cafe

Monday-Thursday 8 a.m.–7 p.m.
Friday 8 a.m.–3 p.m.

Grill 155 at the University Storm Center at the University Storm Center

Monday-Friday 7 a.m.–3 p.m.

Cafe a la Carte

Monday-Thursday 7:30 a.m.–8:30 p.m.
Friday 7:30 a.m.–3 p.m.

Law School Cafe

Monday-Thursday 7:30 a.m.–8:30 p.m.
Friday 7:30 a.m.–3 p.m.

Staten Island Campus:

Spellman Cafe

Monday-Thursday 7 a.m. –7 p.m.
Friday 7 a.m.–2:30 p.m.

Food Court

Sunday 3pm - 8pm
Monday-Thursday 7:30 a.m.–8 p.m.
Friday 7:30 a.m.–3:30 p.m.
Saturday CLOSED

Manhattan Campus

Monday-Friday 8 a.m.–8 p.m.
Saturday and Sunday 11 a.m.–7 p.m.

The Career Centers

The Career Centers, located in The University Center, Room 24, Queens campus; and Lavelle Hall, Room 106, Staten Island campus, are the central career information offices for students and alumni. The primary purpose of the Centers is to assist students and alumni in planning their careers.

The Centers sponsor a wide variety of programs and services including:

Career Advisement

One-on-one advisement is available to assist students and alumni with career choices and in developing career goals.

Career Awareness Programs

Special programs on various topics, including career alternatives, interview skills and employment advisement assist students in understanding the marketplace and opportunities available.

COACH Program

The Count On Alumni for Career Help program allows you to connect with alumni to develop networking contacts and gain valuable information about careers.

Career Center Web site

Here you can find information on special events and programs, choosing your major, career planning, résumé writing, interviewing, your job search, links to job listings, and much more. You can find us at: www.stjohns.edu/careercenter

Career Resource Library

Career development and employment information is available to students and alumni. The library includes career literature.

Education Credential Folders

The Career Center maintains a complete Credential Service for students and alumni in education.

MonsterTRAK

Register with MonsterTRAK to review full time job listings, paid internships, part-time jobs and to receive important e-mails regarding events, internship and employment opportunities. Go to the Career Center Web site at www.stjohns.edu/careercenter, click Students then Register. *Contact the Career Center for the college password.*

Job Fairs

Several times per year, employers visit the campus to recruit for part-time, full-time and summer positions, as well as salaried internships.

Seminars and Events

The Career Centers offer seminars that take you through all the steps of career planning and host special events that provide opportunities to meet alumni and employers.

Mock Interview Sessions

Students and alumni are invited to sharpen their skills in a videotaped mock interview. This interview is then evaluated and suggestions are made on improving effectiveness. Repeat the mock interview process to further improve your skills.

Campus Interview Program

Campus corporate representatives from a variety of fields are invited to interview graduating students for professional positions.

Internship and Part-Time Opportunities

A comprehensive listing of part-time vacancies and salaried internships is available to all St. John's students.

Counseling Centers

The Counseling Center offers individual and group counseling on educational, vocational and personal matters. We typically see students who:

- require standardized testing
- request online screenings
- are experiencing academic difficulties
- want to discuss and resolve problems of a personal nature
- need information regarding graduate and professional schools
- need referral sources

The two Counseling Centers are staffed by professionally trained personnel. The Queens Center, in Marillac Hall, Room 130, and the Staten Island Center, in Spellman Hall, Room B2, are available to the students, faculty, staff and administration of the University. Voluntary confidential counseling is available by contacting the Center for an appointment. The Queens Counseling Center hours are 8 a.m.–7 p.m., Monday, Tuesday and Thursday, 8 a.m.–4:30 p.m. Wednesday and 8 a.m.–3 p.m. Friday. Contact us at (718) 990-6384 or counsel@stjohns.edu.

Health Services

Facilities for treatment of sudden illness and accidents are available to members of the University community. On the Queens campus, registered nurses are available Monday–Thursday 8:30 a.m.–5 p.m. and on Friday 8:30 a.m.–3 p.m. in the Health Office, DaSilva, Hall, Room 129, ext. 6360, on all school days. On the Staten Island campus, a nurse is available from Monday–Thursday 8:30 a.m.–4:30 p.m. and on Friday 8:30 a.m.–3 p.m. in the Health Office, Room B19, Campus Center, ext. 4447. Nurses can refer patients to the

University Physician, to another department, or to an outside agency. Students are urged to consult the Health Counselor regarding their health problems before their academic status is affected.

Residence Halls and Off-Campus Housing

The University has on-campus residence halls on the Queens and Manhattan campuses. The Staten Island campus currently has apartment-style housing at the edge of the campus property. The Queens and Staten Island campuses maintain a listing of available local rentals and offer assistance in locating housing. The University does not inspect these facilities. The evaluation of suitability of any facility is the responsibility of the potential renter. Persons listing facilities with the University certify that they will accept any student registered at the University regardless of race, color or creed. The Off-Campus Housing Office on the Queens campus is located in the Residence Life Office, Donovan Hall; on the Staten Island campus in the Campus Center, Room B11; and on the Manhattan campus in the Office of Student Life, Room 465.

International Student and Scholar Services

The International Student and Scholar Services Office, located on the Queens campus in St. John Hall, Room 116, assists international students and scholars in all matters related to their life at St. John's University and in the community, including: immigration assistance; orientation to life in the University, New York City and the American culture; counseling for financial, adjustment, personal, legal and other matters; advisement concerning taxes, medical insurance, Social Security, campus and community services; coordinating programs (social, travel, cultural, family visitation); documentation for foreign exchange, military waivers, enrollment certification; liaison with foreign consular offices, U.S. government agencies/departments and University offices.

Reading Workshop Program

Incoming freshmen may be required to take a standardized reading test. Test results indicate the student's reading capabilities and determine whether participation in a reading workshop will be mandatory. Voluntary participation is also encouraged.

The workshop consists of weekly, one-hour sessions for two consecutive semesters. The workshop develops critical reading comprehension, improves vocabulary, promotes reading flexibility, and refines study strategies, all of which are necessary for new college students.

There is no fee for the reading program.

StormCard (ID cards)

StormCards must be carried at all times on the University premises. Lending a StormCard to anyone or failure to present it when requested by a University faculty or staff member is a violation of the Code of Conduct and subjects the holder to disciplinary action. Loss of a StormCard should be reported to the StormCard Office in the Department of Student Life, University Center (Queens); the Department of Student Life, Campus Center, Room B11 (Staten Island); or Student Life Office, fourth floor (Manhattan), where it may be replaced for a fee based on the number of replacements requested.

The Language Laboratory

The Queens campus language laboratory, located in room B48 in the basement of St. Augustine Hall, is a brand-new state-of-the-art digital laboratory of 39 student stations complete with PCs, keyboards and flat screen monitors with playback and recording capability for audio and video files as well as CD ROMs. It allows students to perfect their language skills in one or several of the 11 languages currently offered at St. John's University.

Student Computing Facilities

St. John's University is committed to preparing its students with the technological skills necessary to meet the challenges of the 21st century marketplace. Under the leadership of the Information Technology Division, the University is equipped to meet the instructional needs of students and faculty through state-of-the-art academic computing facilities. Students have access to facilities that consist of six microcomputer laboratories, over 170 multimedia classrooms, microcomputer classrooms, and Library patron computers. Deployment of desktop computers to these facilities now totals over 900 Intel-based workstations and over 125 high-end Macintosh computers.

The University's state-of-the-art computer network enables each microcomputer to access a wide range of software, as well as electronic mail and the Internet through the World Wide Web. A variety of educational, business, statistical and other electronic information resources are accessible through the campus's high-speed GigaBit backbone with 100 Mbps Ethernet to each desktop computer. Internet connectivity is provided through a 100 MB link. Wireless connectivity is available at all five locations.

Microcomputer Laboratories

The microcomputer laboratories now contain more than 300 Intel workstations and over 30 high-end Macintosh computers. Two of these labs are located on the Queens campus. Additionally, each of the following locations has one lab: Staten Island, Manhattan, Oakdale and Rome, Italy.

As a result of major hardware/software upgrades completed recently, we now have many Pentium 4 3.2 GHz platforms CDRW/DVD and 1GB of RAM matched by multimedia monitors, Windows XP operating system (OS), the MS Office XP Professional suite as well as many other Windows-based applications. All the computers are connected to the STJ computer network, UNIX servers and Windows NT file servers.

Microlab / Classroom Macintosh computing resources consist of primarily G5's, with 512 Megabytes of RAM, and running MAC 10.3 OS. Printing facilities for both platforms consist of shared high speed B&W as well as HP color laser printers.

Multimedia Classrooms

Of the total 152 multimedia classrooms, 104 are located on the Queens campus, 38 more are at the Staten Island campus and 6 are on the Manhattan Campus. Each multimedia classroom is equipped with a podium, faculty computer, and projection equipment that can be viewed by all the students. Faculty has the option of connecting and projecting the image from their laptop computers in all multimedia classrooms as well. The Oakdale campus has 2 classrooms and multiple mobile equipment carts that can be set up in any classroom. The Rome campus has 2 classrooms in which computing equipment is available upon request.

Although students do not have individual workstations, each multimedia presentation environment allows faculty to incorporate technology as a teaching tool to enhance the learning experience for their students. The Queens campus has four multimedia equipped/large capacity facilities. (Council Hall, Marillac Auditorium and the two St. Albert Amphitheaters). Additional classrooms will be equipped as multimedia classrooms in the future.

Microcomputer Classrooms

Further, the Queens campus has 13 microcomputer classrooms and Staten Island has 6 that house both Intel Pentium and Macintosh computers. The Oakdale campus has 2 computer classrooms, the Manhattan campus has 2 combination computer labs/classrooms with the latest Intel-based hardware and the Rome campus has one of the same. Each microcomputer classroom at all five locations provides students with individual computers through which they are able to participate in hands-on training, and a faculty station which enables demonstration of software. Individual instruction for how to use the equipment in both Multimedia and Microcomputer classrooms can be obtained through Information Technology.

Academic Computing Initiative

The Academic Computing Initiative has three primary components: The laptop program, campus wireless networks, and student portal (St. John's Central).

All incoming full-time first-time freshmen and transfer students receive a state-of-the-art laptop, software, and accessories from the University. The current model is the IBM Thinkpad T60 with a 2.1 GHz Intel Core 2 Duo Centrino Processor, 80 GByte disk drive, wireless communications, and a CD read/write DVD read drive. The laptops run Microsoft Windows XP Professional and Office 2003 Professional and are covered by a four-year warranty supported by repair centers on the Queens and Staten Island campuses.

The new DaSilva Academic Center on the Staten Island Campus illustrates how IT facilities are being adapted for increased laptop usage. New Podium Classrooms have been designed with a desktop as well as the capability to use video and sound from a laptop for faculty demonstrations. The DaSilva 109 and 110 Laptop Classrooms include desks, electrical hookups and network access that are optimized for student laptop usage. All campuses are also served by a new Cisco 802.11b wireless network. Currently the wireless network serves academic and common areas, classrooms, libraries, lawns and cafeterias, on all campuses.

St. John's Central is a one-stop web portal that makes University resources available to students from the Internet. It includes student productivity tools such as email and calendaring, communication tools like chats and discussion groups, and educational tools like course home pages, syllabi, library access, and course calendars.

Microlab Hours (Queens campus)

Sullivan Hall Microlab*
Sullivan Hall, First Floor
(718) 990-6672
Sunday–Thursday: 7 a.m.–2 a.m.
Friday–Saturday: 7 a.m.–11 p.m.

Marillac Hall Microlab*
Marillac Hall, Second Floor
(718) 990-6748
Monday–Thursday: 6:30 a.m.–11 p.m.
Friday: 6:30 a.m.–6 p.m.
Saturday: 8 a.m.–4 p.m.
Sunday: Closed

For Staten Island microcomputer lab hours, please call (718) 390-4498.

*Please note: Lab hours are subject to change during intersession.

Speech and Hearing Center

The Speech and Hearing Center, under the direction of Donna Geffner, Ph.D., CCC–Sp/A, has offered diagnostic and therapeutic services for communication disorders since 1976. Located off the Queens campus on Union Turnpike, the Center serves Queens, Long Island and the metropolitan New York community. The population ranges from infants to adults. The Center's staff consists of ASHA certified and New York State licensed professionals who work with each client to completely evaluate and assess the communication disorder as well as design intervention strategies for a therapy program. Therapy sessions are scheduled on a semester basis according to the Academic Calendar. When indicated, referrals are made to other appropriate agencies.

The Center serves as a training site for St. John's University students enrolled in the Speech-Language Pathology and Audiology Program. Therapy is provided by professionals and by students under direct supervision. The Center is a fully equipped, modern facility, housing the latest diagnostic, therapeutic materials and instrumentation. Two complete audiometric suites are on site to provide audiological evaluation and hearing aid fitting.

Speech-Language Pathology Services include evaluation and therapy for articulation, voice, language, stuttering, aphasia, learning disabilities and neurological disorders; and improvement of voice and diction for speakers with foreign accent/ESL or regional speech patterns. Consultation and referral sources as well as conference visits to schools/agencies are also available.

The Audiology Services include audiological evaluations, such as pure tone and speech audiometry, impedance and site of lesion testing; brainstem-evoked response testing; hearing aid evaluation and orientation; aural rehabilitation evaluation and training; early childhood testing; central auditory testing and otoacoustic emission testing. The Center provides free screenings.

Student Affairs/Student Life

The commitment made by the University to the education of the individual recognizes the student not merely as a recipient of knowledge, but as a responding individual preparing for a larger social framework beyond the University. The Division of Student Affairs provides the professional expertise necessary for the promotion of interpersonal social skills, leadership abilities and exposure to events and experiences that enhance total growth of the individual. The Division Office is located with the Vice President of Student Affairs in the Student Affairs Suite in Bent Hall (Garden Level) on the Queens campus. The Division is responsible for the overall supervision of Student Life, Residence Life, Student Wellness (Counseling, Health Services and Alcohol and Other Drug education) and the Career Center.

The Department of Student Life, Queens campus, is located in the Student Affairs suite, and the University Center. The department maintains responsibility for student development programs, new student orientation, campus activities, volunteer/service learning, campus recreation and intramurals, the Peer Mentoring project, Residence Life, and off-campus housing.

In addition, the Student Life staff supervises various student services, such as organization mail boxes, ticket sales for on-campus events, and locker rentals. They also work closely with student clubs and organizations including fraternities and sororities. The Dean of Student Life is located in Bent Hall and oversees student discipline in non-academic affairs.

The Department of Student Life, Staten Island campus, is located in the lower level of the Campus Center, the Campus Center Gymnasium and the second floor of the Kelleher Center. The department maintains responsibility for coordination of student development programs, new student orientation, campus activities, volunteer/service learning, Greek affairs, intramural and recreational activities, leadership training and values education, as well as Residence Life and off-campus housing.

Staten Island Student Life staff supervise various student services, including the Activity Grant-In-Aid Program, character references, ticket sales for on and off campus events and overall supervision of The Campus Center. Student Life also oversees student discipline in non-academic affairs.

University Libraries

The libraries of St. John's University are committed to supporting the teaching and learning processes by providing information resources, instructional services and other support in the most effective formats for University programs and student and faculty research. The libraries are comprised of three major libraries on three campuses (Queens, Staten Island, Manhattan), and additional collections at the Rome and Oakdale campuses. St. John's School of Law separately maintains the Rittenberg Law Library on the Queens campus. Together these libraries contain the equivalent of over 1.7 million volumes of books, periodicals, government publications, microform and audiovisual materials, which support the undergraduate and graduate programs of the University. Cultural and recreational materials are also available.

The Main Library, a selective depository for United States government documents, also houses such special collections as the Governor Hugh L. Carey Collection, the William M. Fischer Lawn Tennis Library, the Asian Collection, an Instructional Materials Center and a Media Center.

The Loretto Memorial Library on the Staten Island campus houses over 130,000 volumes including periodicals, microfilm materials and a collection of recorded music, poetry and plays.

The Davis Library on the Manhattan campus maintains one of the finest collections of contemporary and historical insurance materials in the United States.

An instructional program provides learning, in a variety of formats, for information literacy appropriate to undergraduate study and as preparation for lifelong learning.

Both wired and wireless access is available throughout the libraries, connecting users to thousands of online journals (many in full text) and monographs, as well as to the library catalogs of St. John's and other consortial libraries. All electronic resources are available off-campus to authenticated St. John's users. Cooperative arrangements with other libraries provide regional, national and international access to materials.

University Freshman Center

The University Freshman Center's purpose is to fulfill the commitment made by St. John's University to mentor and guide first-year students and their families through the student's transition from high school to college. Our goal is to welcome each and every student into the St. John's community, and assist them with their overall transition, acclimation and integration into the University setting. We accomplish this by helping first-year students achieve a connection and a feeling of belonging to the University.

The University Freshman Center provides first-year students with their own personal professional advisor. The advisor will focus on providing the student with the knowledge and support needed in making those decisions concerning their academic program, career goals, personal and financial concerns. The University Freshman Center will act in conjunction with, and on the behalf of, each new student from the time they make their initial entry into the institution to the time they reach their sophomore year.

The University Freshman Center takes pride in "going the extra mile" for the newest members of our University community. Our Center is committed to ensuring that every first-year student receives the necessary tools to become responsible and is prepared to take charge of their own academic career. For any additional information regarding the University Freshman Center, please visit our Web site at <http://www.new.stjohns.edu/academics/centers/dass/ufc/ufc.sju> or stop by the Center located on the first floor of the Library, St. Augustine Hall, or call (718) 990-5809.

Core Curriculum

As a Catholic university, St. John's is challenged to embody academic excellence. According to Pope John Paul II in the apostolic constitution *Ex Corde Ecclesiae* and the U.S. bishops in their document *Catholic Higher Education and the Pastoral Mission of the Church*, Catholic universities must give their students the highest quality liberal education. For undergraduates, we believe this is best achieved through a unified Core Curriculum. The University Core Curriculum serves as a platform for excellence in the liberal arts and sciences, professional programs of study, and lifelong learning.

Rationale for a University-Wide Core Curriculum

The rationale for a University-wide Core Curriculum flows from several key elements of the Mission Statement, which declares that St. John's University is (1) Catholic, (2) Vincentian, and (3) metropolitan.

Specifically, the University Core Curriculum reflects the Catholic, Vincentian and metropolitan nature of the institution in the following ways:

1. The courses of the Core Curriculum at St. John's, in the best of Catholic tradition, enrich the study of the arts and sciences with the perspectives and traditions of the Catholic faith and encourage students of all faiths to seek truth in a universal spirit of openness.
2. The courses of the Core Curriculum at St. John's reflect the Vincentian tradition of a values-oriented worldview. This means that in its design and execution, the Core Curriculum makes conscious efforts to promote global harmony and human development and in the spirit of St. Vincent de Paul, reflects sensitivity to and concern for those who lack advantages.
3. St. John's University is proud of its role as an institution of higher education in New York City, a global center of ideas and cultures. The courses of the Core Curriculum draw on the rich resources that the city and its surrounding area have to offer.

Purpose of the Core

The purpose of the Core Curriculum is to provide a unified educational experience that characterizes St. John's students and provides them with the knowledge and skills necessary to become educated members of society. The Core consists of 27 common credits that are taken by every St. John's student, regardless of college or major field of study, and a minimum of 21 Distributed Core requirements that vary by college or program of study.

The Core is divided into two groups: Common Core and Distributed Core. The distinction does not imply difference in importance, but reflects the diversity of programs of study.

Courses of the Common Core

Discover New York (3 credits)

DNY is an introduction to New York City through the lens of a particular academic discipline. The course focuses on the themes of immigration, race/ethnicity, religion, wealth and poverty and the environment. Students are required to take field trips as a part of their study.

English Composition: Critical Analysis in Reading and Writing (3 credits)

In this writing-intensive course, students read a variety of essays, analyzing them for content, structure and language. Analysis and synthesis in both reading and writing about a variety of subjects are required. Research techniques are studied, and a research paper is required.

English: Literature in a Global Context (3 credits)

This writing-intensive course examines literature from a global perspective. While familiarizing students with literary genres and text, the course introduces students to writing and critical thinking about culture, cultural difference and social values.

History: The Emergence of Global Society (3 credits)

The global dissemination of the scientific, technological and industrial revolutions and the spread of world religions, democracy and internationalism lead to the emergence of modern society. The impact of Western cultural, economic, and technical domination and globalization as a historical force are examined.

Philosophy: Philosophy of the Human Person (3 credits)

What does it mean to be a human person? This course places special emphasis on the nature of human freedom, consciousness and cognition, and the origin and significance of life. Central to the course is a discussion of the spirituality, immortality and dignity of the human person. The course begins with an introduction to philosophy and critical thinking.

Philosophy: Metaphysics (3 credits)

Metaphysics addresses the ultimate principles of knowing and being. Central questions are considered: Is there evidence of God's existence, and correspondingly, is there a solution to the problem of evil? This course also considers traditional metaphysical aspirations in the context of contemporary challenges from the physical and social sciences.

Scientific Inquiry (3 credits)

This course introduces students to the fundamental processes of science through the exploration of specific topics in modern science. Students can choose from a number of different investigations (historical and logical sequences in the development of a major idea) including those into atomic theory, energy, environmental science, evolution, geoscience and quantum mechanics.

Speech: Fundamentals of Public Speaking (3 credits)

Students learn to apply the basic principles of purposive speaking with primary emphasis on extemporaneous public speaking.

Theology: Catholic Perspectives on Christianity (3 credits)

This course introduces Christianity, highlighting belief statements, practices, scripture, rites, theological writings, artistic expressions and other discourses manifesting and expressing the Catholic perspective of the Christian faith.

Courses of the Distributed Core

1. EITHER two courses in a second language OR Creativity in the Fine Arts AND Language and Culture (6 credits)
2. Mathematics (3 credits)
3. Philosophy (Ethics) (3 credits)
4. Theology (6 credits) (including one course in Moral Theology)
5. Social Sciences (3 credits)

Individual colleges may require additional Distributed Core courses. All requirements are listed on the Core Curriculum Website. Students should see their Academic Advisors for assistance in choosing courses of the Distributed Core.

St. John's College of Liberal Arts and Sciences

Jeffrey W. Fagen, Ph.D.,
Dean; Professor of Psychology

Salvatore E. Spizzirri, B.S., M.S. Ed., P.D.,
M.Phil., *Associate Dean*

Kelly A. Rocca, B.A., M.A., Ed.D., *Associate Dean; Staten Island Campus*

Joyce Lawlor, B.A., M.L.S., *Associate Dean*

Marie Allegrretti, B.S., M.S.Ed., *Assistant Dean, Staten Island Campus*

Gregory T. Gades, B.S., M.B.A.,
Assistant Dean

Christine Lucatorto, B.S., M.A.,
Assistant Dean

Marilyn Nemzer, B.A., M.S.Ed., P.D.,
Assistant Dean, Staten Island Campus

William M. Nieter, B.A., M.A., M.S. Ed.,
Director, Environmental Studies Program; Assistant Dean

Andres Laurito, B.A., M.S. Ed., *Assistant Dean*

Bernadette Li, B.A., Ph.D.,
Director, Institute of Asian Studies

Shelia Hakner, B.A., M.A., Ed.D., *Director, Intensive English Program*

Eileen Larson O'Connor, B.S., C.P.A.,
Director of Planning

St. John's College has three office locations.
On the Queens campus the undergraduate office is located in SJH 145 (990-6271); the graduate division in SJH 135 (990-6243); on the Staten Island Campus the office is located in Flynn Hall 102 (390-4300).

Objectives

St. John's College of Liberal Arts and Sciences realizes the objectives of the University at large by offering a liberal education in a Catholic atmosphere to students seeking higher learning either for its intrinsic values or as preparation for graduate study or professional careers.

Academic Advisement

The responsibility for arranging an appropriate program and for meeting all degree requirements rests with the student. Academic advisement is offered to assist students in meeting this responsibility. Advisors give special attention to the student's academic progress and adjustment to college; they offer direction to the student regarding specific major/minor/Core Curriculum and/or degree requirements, appropriate use of electives and career goals/opportunities.

All freshmen should report to the Freshman Center for advisement. Undecided sophomores should consult the Dean's Office for assignment to an advisor. Declared sophomores, juniors and seniors should consult their respective departments to be assigned to an advisor.

Programs of Study

St. John's College of Liberal Arts and Sciences offers programs leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts and Associate in Arts.

Degrees and Majors Available

Curricula for these degrees and the major sequences required for each academic discipline appear on the following pages.

Bachelor of Arts

Anthropology++
Asian Studies*++
Economics
English*
Environmental Studies++
French++
Government and Politics*
History*
Italian++
Mathematics*
Philosophy
Psychology*
Public Administration and Public Service++
Social Studies+
Sociology*
Spanish*++
Speech Communication Arts
Speech-Language Pathology and Audiology
Speech, Public Address++
Theology*

Bachelor of Science

Biology*++
Chemistry*++
Computer Science+
Environmental Studies++
Mathematical Physics++
Mathematics
Physical Science++
Physical Science (Engineering Track)++
Physical Science (Biomedical Engineering Track)++
Physics++

Bachelor of Fine Arts++

Fine Arts
Graphic Design
Illustration
Photography

Associate in Arts+

Broad-based introduction to the liberal arts.

The Associate in Arts Degree in Liberal Arts, housed in St. John's College of Liberal Arts and Sciences, on the Staten Island Campus gives a broad-based introduction to the liberal arts. All credits taken in the Associate in Arts (AA) program count toward 4 year degree programs if the students choose to stay at St. John's University. Students complete the University Common Core courses and also take elective

courses in the arts and sciences that may later be applied toward a major or bachelor degree requirements. This program is ideal for students who are unsure of their commitment to a four-year degree, but who want to take the initial steps toward obtaining a degree in higher education. Students may attend either part-time or full-time. In their first year, students are advised in the University Freshmen Center. Upon completion of a successful first year, students are advised by assistant deans in the St. John's College office.

Notes:

*Combined B.A./M.A. programs available.

+Available on Staten Island campus only.

++Available on Queens campus only.

Minors Available

Various departments offer programs leading to minor concentrations in their disciplines. Minors are not required for graduation but are chosen by students who wish to focus their core requirements and general electives in particular directions. The following guidelines for minors were determined by the Liberal Arts Faculty Council:

1. Students may choose any available minor program that is clearly differentiated from their major area of concentration.
2. Students may elect a minor after the completion of one semester of college.
3. Students must have the written permission of the of the department offering the minor.
4. Only one three-credit course may be used for both a major and a minor, provided that the minor sequence has at least 18 credits. For minors with fewer than 18 credits, no overlap is possible.
5. The Pass-Fail Option is not available in the fulfillment of minor requirements.
6. Students should schedule an interview at least once a year with their minor advisor.
7. The successful completion of a minor (with a minimum index of 2.0) will be noted on students' transcripts.
8. To complete a St. John's College minor at least 50% of the coursework must be completed in St. John's college courses. Previously completed courses may be applied but may not make up more than 50% of the total credit.

Interdisciplinary Minors

Africana Studies

15 semester hours: HIS 3400 (required) and four courses, representing at least three different disciplines, selected from the following: HIS 2300, 2301, 2302, 3410, 3711, 3712,3850; ENG 3300, 3390, 3470; GOV 2480, 2750, 3680; ANT 2450; ART 1830; FRE 3820; MUS 1300; SOC 2450.

Women’s Studies

18 semester hours chosen from among these courses with no more than six hours in any one discipline. ART 2770 Women in the Arts; ART 1840 Sexism in Cinema; CLS 1240 Women in the Ancient World; ENG 3350 American Women Writers to 1900; ENG 3570 Women and Literature; GOV 1280 Feminism and Politics; HIS 3140 History of Sexuality; HIS 3300 Women in Latin American History; HIS 3562 Women in Modern Europe; HIS 3731 Women in America I; HIS 3732 Women in America II; MFL 2121 Women Writers in France; PHI 2330 Introduction to Feminist Philosophy; PHI 3580 Major Women Philosophers of the 20th Century; SOC 1150 Sociology and Family; SOC 1570 Gender, Violence and Cinema; SOC 2430 Women and Men in Everyday Life; SOC 2440 Gender Identity in Popular Culture; SOC 4990 Seminar: Feminist Social Theory; THE 3240 Women and Theology.

Multicultural and Multiethnic Studies

18 semester hours: ANT 1010, ANT 1050, SPE 1155/ANT 1150; additional nine semester hours from courses relating to culture/ civilization, each course from a different region of the world: Asia, Africa, Latin America and the Caribbean, Middle East and Europe. 15 credits must be outside of the student's major. Courses applicable to the minor:

Asia:

ASC 2210, 2220, 1230, 1250, 1300, 1310, 3460, 3470, 1480, 1490; ASC 2500/HIS 2310, ASC 2510/HIS 2312; ASC 1790/THE 2830, ASC 1800/THE 2840; ASC 2710/GOV 3710, ASC 2720/GOV 3720; SOC/ANT 2410, ANT 2760; PHI 3590

Africa:

ENG 3330; HIS 2302; FRE 3820; GOV 3680

Latin America and the Caribbean:

GOV 2690, 2750, 2760; HIS 2331, 2332; FRE 3820; SPA 3100, 3560, 3700, 3730, 3740

Middle East:

GOV 3820; THE 2850, 3850

Europe:

GOV 2650, 2660; FRE 3090, 3100, 3300, 3550, 3560, 3600, 3630, 3650, 3670, 3690; GER 3090, 3100, 3550, 3560; HIS 3511, 3512, 3652, 3653; ITA 3090, 3100, 3550, 3560; RUS 3090, 3100; SPA 3090, 3550, 3610, 3770, 3780; MFL 1040; ENG 3540

Social Justice: Theory and Practice in the Vincentian Tradition

18 Semester hours: THE 2320 (required); Three credits from PHI 2200, PHI 2240, or THE 2300; Three credits from SOC 1190 or ECO 1320; and the Integrating Interdisciplinary Seminar in Social Justice (required); and six credits chosen from among the following: ART 1830, BIO 1360, CRJ 3005, ECO 1024, ESP 2160/GOV 2160, ESP 2170/GOV 2170, GEO 2001, GOV 3850, HIS 3120, HIS 3780, HIS 3110, HIS 3740, LES 1018, LES 1023, LES 1024, PHI 3720, PSY 1019, SOC 1070, SOC 1170C, SOC 2100, SOC 2460, SPE 2060, SPE 3150, THE 3310, THE 3320.

In addition, students must complete a minimum of 40 hours of service learning in the courses in the minor.

Specific Entrance Requirements

16 high school units (or appropriate score on GED):	
English	4
Mathematics	2
History	1
Science	1
Foreign Language	2
Electives	6

At least three electives must be from the academic grouping.

In addition to these basic admission requirements for all St. John's College degree programs, the following should also be noted:

1. Students seeking admission to the B.F.A. degree program must submit a portfolio of original artwork. Upon submission of a completed admission application, students will be asked to contact the Department of Fine arts to schedule a portfolio review.
2. Students seeking to matriculate for a B.S. degree, a B.A. degree in Mathematics, or who are looking toward careers in Medicine, Dentistry, Osteopathy, or Optometry should include the following courses in their high school programs: Intermediate Algebra and Trigonometry (or 11th year Mathematics), advanced Algebra and Calculus, Physics and Chemistry and either French or German.

Transfers

External

The general University policy for students requesting transfer from other colleges or universities is stipulated in the Admission section of this bulletin. Students accepted by the College will receive an evaluation of their transfer record listing the courses applicable to their program of study at St. John's College. Only courses with grades of C or better will be considered for transfer. Transfer students must also schedule an interview to plan their academic program. Students applying to the Queens campus should call the Dean's Office at (718) 990-6271. Students applying to the Staten Island campus should call the Dean's Office at (718) 390-4300.

All external transfer applicants to St. John's College who have been awarded an A.A. or A.S. degree will fulfill the requirements for their baccalaureate in St. John's College after successfully completing a minimum of an additional 64 semester hours including, a) six semester hours in Philosophy and six semester hours in Theology; and b) the requirements for the selected major concentration. The remainder of the student's program is determined under the guidance of an assigned advisor.

Internal

The general University policy for students requesting transfer from other colleges within the University is stipulated in the Admissions section of this bulletin. All applications are subject to the review and approval of the College Admissions Committee.

Upon entry to a St. John's College program of study, students must take all their remaining major courses within their major department.

Advanced Placement/CLEP

St. John's College awards Advanced Placement and college credit to those entering freshmen who earn a requisite score on the College Entrance Examination Board's Advanced Placement and/or CLEP tests. Placement and the number of college credits appropriate to the academic development of the qualified student are determined by the Dean's Office. An AP score of 3 or better is required for credit to be awarded. Chemistry uses a two-tiered system awarding one semester for a grade of 4 and two semesters for a grade of 5. Biology requires a score of 4 and awards two semesters of credit. Mathematics requires a score of 5 and awards either one (AB exam) or two (BC exam) semesters of credit. With respect to Advanced Placement credit for students who have earned an International Baccalaureate (IB) Programme Diploma, the following policies are in effect:

1. The College will consider only IB higher level courses for Advanced Placement credit. No credit will be awarded for standard level exams.
2. The College will evaluate IB higher level courses on a course-by-course basis.
3. Advanced Placement will be considered for higher level exam results with a grade of 5 or higher.
4. Students must submit official transcripts of exam results.
5. A maximum of 18 credits of Advanced Placement credit may be awarded for IB higher level courses.

Students who wish to take CLEP or other credit-by-test exams must receive prior approval from the Office of the Dean if such credit is to be applied to a St. John's college degree.

Fresh Start Rule

An undergraduate student accepted for re-admission to St. John's College after an absence of five or more years from the University may ordinarily petition the Dean to recalculate the cumulative index of his/her previous residency. If the petition is approved, all courses taken remain on the permanent record with their original grades. Only grades of A, A-, B+, B, B-, C+, or C are counted for credit. If the petition is approved, the student resumes his/her academic program with no cumulative or major index, and thereafter is subject to the conditions of warning, probation and dismissal which govern all students. The student must fulfill all degree requirements in effect at the time of readmission.

Under the provisions of this rule, a student must complete a minimum of 30 credit hours, which shall include advanced major field courses typically taken in the senior year. All courses ever taken on the college level are used in the calculation of the index required for graduation with honors.

This rule applies to St. John's College only. A student who is re-admitted to the college under this rule and subsequently transfers to another undergraduate unit of St. John's University becomes subject to the regulations of that college. Other undergraduate units may not permit index recalculation.

External Language Credits and Requirements

The Language and Literatures Department does not accept AP, CLEP or credit in the International Baccalaureate in lieu of the St. John's College two-semester language requirement. The department may accept up to six credits of AP or credit in the International Baccalaureate that is deemed appropriate for major or minor sequences. Up to six credits from CLEP may be counted towards a minor sequence but may not be applied to a major sequence. All CLEP credit and exams must be completed before a student registers for language courses at St. John's University.

Academic Standing

A full-time student's program may range from a minimum of 12 to a maximum of 18 hours (credits) per semester. Freshman programs are usually 15 semester hours (credits).

A student who receives a grade of F for a required course must take the course again. The new grade does not replace the F that was previously earned, but is averaged into the student's cumulative grade point average.

To remain in good academic standing, a student must maintain a minimum cumulative grade point average of 2.0 overall and in the academic concentration. A student who fails to meet these standards is placed on academic probation and limited to a program of 12 credits (four courses) maximum until he/she attains satisfactory academic standing. The minimum acceptable performance for continued study at St. John's College is a cumulative index of 1.5 at the end of the first year, 1.75 at the end of the second year and 1.9 at the end of the third year.

A cumulative and major grade point average of 2.0 is required for graduation.

Attendance Policy

Regular and prompt attendance is expected of all students and is an individual student's responsibility. Absence from class does not excuse a student from any work missed.

There is no penalty for absence from class considered in itself. Students are, however, responsible for all announced exams and for submitting all assignments given in class at the proper time. Ignorance of such exams and assignments is not an acceptable excuse for failure to complete them. Individual faculty members determine if a student is to be given

a make-up examination as stated within their course outlines and requirements.

Several types of courses, such as foreign language courses, English composition courses, science laboratories, language laboratories, art studios and speech performance-oriented courses are not covered under this general policy and do have specific attendance requirements. Students are responsible for following the attendance requirements of any course for which they are enrolled.

Pass-Fail Option

The Pass-Fail Option has been instituted to encourage students to enroll in more challenging courses outside their major area of concentration without affecting their grade point average.

This option is available to students with sophomore status who have completed a minimum of 25 credits, and whose current grade point average is at least 2.0. The option is limited to one course per semester, with the total during the three years, including summer sessions, not to exceed six courses.

The Pass-Fail Option may not be used in connection with the students' major/minor requirements (including ancillary courses required for the students' degree). This option does not affect the student's grade point index, although a "Pass" is credited toward the degree.

Application for the Pass-Fail Option must be made in the St. John's College Dean's Office. In any given semester, a student may elect the Pass-Fail Option up to and including the last date designated for withdrawal from class without academic penalty. The Pass-Fail Option is also reversible during the same time period.

Make-up Examinations

St. John's College adheres to the general University policies regarding examinations as stated in the Academic Information and Regulations section of this bulletin.

Tests, term papers and assignments are given at the discretion of the instructor. Credit is not given for a course unless all assignments have been satisfactorily completed. All work must be submitted no later than the last meeting of the course.

St. John's College does not give "Incomplete" grades to undergraduate students. At their discretion, faculty may issue a special grade of UW (Unofficial Withdrawal) to a student who has stopped attending and has not completed a substantial amount of the assigned work. Faculty may also issue a final grade of F to any student who, in their judgment, has not satisfactorily completed the stated course requirements in an acceptable manner.

A special grade of ABF (Absent from Final) may be given to any student who has completed all course requirements but who

misses the final examination because of circumstances that are typically beyond the control of the student. Any student receiving the ABF must submit an explanation, together with substantiating evidence, to his/her Dean's office immediately. The Academic Dean of the college in which the student is enrolled then determines if the student is permitted to take a make-up exam. If permission is granted a make-up will be scheduled and a fee of \$40 must be paid to the Bursar prior to the scheduled make-up date. The make-up fee may be waived at the discretion of the Dean. Make-ups must be completed in the most immediate time frame that is reasonable for the circumstances of the case. In no case shall the scheduled make-up be extended past the end of the following term.

Graduate-Level Courses

Graduate courses are open to qualified students with the approval of the St. John's College Dean and the Chair of the department in which the student wishes to take courses; students who have already been accepted as degree candidates in the B.A./M.A. or B.S./M.S. programs must register with the approval of their Department Advisor and the Graduate Division.

Other Academic Policies

Credit may be accepted for transfer if it was earned at a college/university that is accredited by a regional accrediting organization (e.g., Middle States Association of Colleges and Schools) or if it was earned at a college/university-level institution of a type traditionally accredited by some other type of agency (e.g., in New York State, the Board of Regents). Students with credits from other countries will be asked to provide a World Education Service evaluation before transfer credits are awarded.

Students must complete at least one major sequence and may opt to complete more than one sequence or one or more minors. Students may take up to 12 credits in additional major courses. Credits in a major beyond the 12 credit limit will not be credited toward the degree. All major and minor changes must be approved by the College.

With permission of the Dean's office students may be allowed to take courses at other accredited institutions. Students must provide a written request including the course title and description, the institution and the proposed timeframe. Students must have a minimum 2.0 GPA, must meet the criteria established by the faculty for taking external courses and should inquire in the college office before they make their request.

For all students, including both internal and external transfer students, a maximum of 18 credits of professional courses (education, business, computer science, pharmacy science,

etc.) may be applied to the degree. Students in an approved adolescence education program leading to teaching certification may take up to 36 credits of education courses toward their degree requirements.

Honor Societies

The Skull and Circle Honor Society (Q) and the Lambda Kappa Phi Honor Society (SI) annually select members from those St. John's College students who have combined outstanding scholarship, a high degree of personal integrity, and a deep devotion to St. John's as manifested in significant contributions to institutional activities. For additional qualification information, students should consult their campus Dean's Office.

In addition, membership in a number of honor societies is available for students who demonstrate outstanding scholarship in the major areas indicated:

Alpha Kappa Delta: Sociology

Alpha Psi Omega: Theatre

Delta Sigma Rho-Tau Kappa Alpha:

Forensics

Epsilon Delta: Speech Communication Arts and Public Address

Gamma Kappa Alpha: Italian

Omicron Delta Epsilon: Economics

Phi Alpha Theta: History

Pi Delta Phi: French

Pi Mu Epsilon: Mathematics

Psi Chi: Psychology

Roger Bacon: Biology, Chemistry, Mathematics, Physics, Psychology or Environmental Studies

Beta Lambda: National Slavic Honor Society

Sigma Alpha Eta: Speech-Language

Pathology and Audiology

Sigma Delta Pi: Spanish

Sigma Pi Sigma: Physics

Sigma Tau Delta: English

Theta Alpha Kappa: Theology

Academic Awards, Distinctions and Prizes

Students may be awarded academic distinction for outstanding scholastic performance by being named to the Dean's Honor List. To qualify, a student must average 3.4 (minimum of 12 credits per semester) for consecutive fall and spring semesters in any academic year.

Annually, a Gold Key for academic excellence is awarded to a qualifying senior in each department of St. John's College. The recipient of each award is selected by the Dean of the College in consultation with the department, on the basis of the student's outstanding scholastic achievement in his/her major field, the student's overall academic performance and the recommendations of their department's faculty. Silver Keys are also awarded to outstanding juniors in each major department, based on similar criteria.

The Carlton Boxhill Award is presented to a graduating senior who has demonstrated excellence in academic achievement and University and community activities.

The Dr. Gerald E. Fitzgerald Award is presented to outstanding graduates in the government and politics, the public administration and the public service majors.

The Charles Lacaille Award is presented to two biological science majors with strong academic credentials and research experience.

The Edward J. Miranda Award is awarded to an outstanding mathematics major who has demonstrated interest and dedication to the study of mathematics.

The Reverend John B. Murray Award is presented to a graduating psychology major who has demonstrated academic excellence, research activity and/or service to the University or greater community.

Special Programs

Combined Degree Programs

B.A./M.A. in Asian Studies
B.S./M.S. in Biology
B.S./M.S. in Chemistry
B.A./M.A. in English
B.A./M.A. in Government and Politics
B.A./M.A. in History
B.A./M.A. in Mathematics
B.A./M.A. in Psychology
B.A./M.A. in Sociology
B.A./M.A. in Spanish
B.A./M.A. in Theology
B.S./M.S. in Biomedical Engineering

These integrated programs permit qualified students to earn a bachelor's degree in four years and master's degree in five years instead of the usual five-and-a-half or six years required to obtain the two degrees.

Each program is designed to enable students to complete the University and departmental requirements of 126 credits for the bachelor's in four years. This ensures receipt of the bachelor's degree if the student decides not to continue for the fifth year. Should the student decide not to continue after the fourth year, he/she can reapply to a master's program at a later date.

To be considered for a combined degree program applicants, must have completed the sophomore year with at least a 3.0 overall index (including the Core requirements) and a 3.5 index in 12 credits applicable to the major. Incoming freshmen may apply for provisional admission to one of the bachelor's/master's programs. Students should consult the St. John's College Dean's Office for additional qualification/application information.

B.A./ and B.S./J.D.

This program permits exceptionally qualified students with well-defined professional goals to complete their academic training in six years, earning a B.A. degree from St. John's College and a Juris Doctorate degree from St. John's School of Law. Interested students must contact the Pre-Law Advisor in the St. John's College Dean's Office before the start of their junior year.

B.S./D.D.S. and B.S./O.D.

These highly competitive accelerated programs permit qualified students to earn a B.S. in biology from St. John's and a D.D.S. from Columbia University School of Dental and Oral Medicine, or an O.D. from SUNY Optometry, in seven years. These programs are only open to incoming freshman with superior credentials. *Admission interviews are required. All science courses for these combined degree programs are conducted on the Queens campus.*

Bachelor Degrees leading to Adolescent Education Certification

Students in selected major fields can opt to include 36 credits in Adolescent Education courses in conjunction with their major requirements. Students graduate with a Bachelors degree in the major field and may be certified by New York State to teach if they fulfill all other certification requirements. For information about NYS certification exams and other requirements, students should consult with The School of Education. Admission into any of these programs requires a minimum of 3.0 GPA which must be maintained throughout the academic program. Students may pursue Adolescent Education in the following major fields: Biology, Chemistry, English, French, Italian, Mathematics, Physical Sciences, Social Studies, and Spanish. All fields are offered on the Queens campus; English, Mathematics, Social Studies are also offered on the Staten Island campus. Students must complete the following 36 credits in professional education courses:

EDU 1000	3 credits
EDU 1002	3 credits
EDU 1008	3 credits
EDU 1011	3 credits
EDU 1012	6 credits
EDU 1013 OR 1014	6 credits
EDU 1015	3 credits
EDU 1022	9 credits

Evening and Weekend Degree Programs

In recognition of the special needs and obligations of students who are full-time members of the workforce, St. John's College offers several evening and weekend undergraduate degree programs on the Staten Island campus. Evening and weekend degree programs offer B.A. degrees in English and Psychology, and an Associate in Arts (A.A.) degree program. Class times are arranged in consideration of full-time employment schedules. For additional information, interested students should contact the Staten Island Dean's Office.

Independent Study

Qualified students may pursue independent study in their major field or a field related to their concentration. Directed and supervised by faculty members, students may study selected topics and/or undertake special projects not usually available in the course offerings curriculum. Interested students should consult the bulletin section relevant to their major, and contact the department chairperson.

Internships

St. John's College offers supervised practical training through fieldwork and/or placement in public and private agencies/institutions. In some cases, these credit-bearing internships may be taken by qualified non-majors as well as majors. Program qualifications and application procedures vary. Interested students should consult their campus Dean's Office for additional information.

Three-Year Baccalaureate Program

The highly selective Three-Year Baccalaureate Program leads to the traditional bachelor's degree in three rather than four years. Admitted students complete 96 credits for their degree. No summer study is normally needed. This accelerated program is available to all qualified B.A./B.S. students, but is not open to students pursuing a B.F.A. degree. Mathematics and Science students must consult the Dean to discuss special program needs. All interested students should consult their campus Dean's Office prior to applying to the University.

Institute of English as a Second Language

For program information, consult the Languages and Literatures Department section of this bulletin.

The Online Program

The Online Program offers flexibility in work and study schedules and reduces the need for traveling. This can be liberating for working students, parents of young children and commuters. Online courses are open to all St. John's University students with World Wide Web and e-mail accessibility. Students wishing to participate from home must own a personal computer. For additional information regarding online courses, consult the Chair of the department.

Pre-Professional Advisory Programs

Pre-Law Advisory Program

Most law schools do not require specific subjects for admission, therefore pre-law students may choose any undergraduate major. While students assume responsibility for their choice of academic programs, the Pre-Law Advisory Program provides students with information and advice on courses that are most beneficial in preparing for the Law School Admission Test and eventual entrance into legal studies. Interested students should contact their campus Dean's Office.

Arts and Sciences Pre-M.B.A. Program

The Pre-M.B.A. Program, which includes professional business courses, gives St. John's College undergraduate students the opportunity to fulfill the course requirements for entrance into the Graduate Division of the Peter J. Tobin College of Business. After completing the bachelor's degree program requirements (with an average of at least 3.0), students may apply for direct admission into the M.B.A. program. For specific program requirements/application procedures, students should contact their campus Dean's Office. *Note: The Pre-M.B.A. Program is not applicable to the M.B.A. in Accounting.*

Pre-Health Studies/Pre-Health Advisory Committee

Pre-Health Studies are designed to provide background for entry to medical or health professional schools. Basic curriculum requirements for acceptance to the Pre-Health Studies program include:
Biology (one year)
Chemistry (two years)
English (one year)
Mathematics (one year)
Physics (one year)

The B.S. degree provides a more thorough training in science, but the above courses in conjunction with any program permit liberal arts students not only to meet minimum requirements for admission to most health profession schools but also to develop broad cultural backgrounds.

Students interested in the medical or health sciences are urged to register with the Pre-Health Advisory Committee, which informs students of requirements for admission to medical, dental and osteopathic colleges, and helps them develop the personal qualities necessary for these medical professions. The committee prepares students for entrance into professional schools by assisting with interview skills, holding on-campus interviews and inviting guest speakers from the various graduate health professional schools. The committee also recommends qualified students to medical, dental, optometry, osteopathic, podiatric and veterinary colleges to which they apply.

Note: All Science courses requiring laboratory corequisites are held on the Queens campus. There is a \$5 charge to send out any Pre-Health recommendation packages after the twelfth package. For additional information, interested students should contact Dr. Jay Zimmerman, Coordinator, Pre-Health Professions Advisory Committee, St. Albert Hall (Q).

Preparation for Theological Studies

Students who intend to become candidates for the priesthood are encouraged to pursue a sound liberal arts program "which has a special value as a preparation for the study of theology." They may choose to pursue a B.A. or B.S. degree, although Philosophy is considered the most appropriate area of concentration. The choice of another major is to be evaluated according to individual circumstances and needs.

Certain active on-campus organizations can be of assistance in providing pastoral experience with the poor and the alienated, and in studying questions of peace and justice. Spiritual advisors are available for discernment and direction.

A certificate program in Philosophical and Theological Studies is available for seminarians who have already completed a bachelor's degree.

Course offerings note:

All course offerings vary per semester and are subject to change.

Bachelor of Arts Core Curriculum and Major Requirements

University Common Core Courses:

Discover New York	3
English 1000C	3
English 1100C	3
History 1000C	3
Science 1000C	3
Philosophy 1000C	3
Philosophy 3000C	3
Theology 1000C	3
Speech 1000C	3

27 credits

University Distributed Core Courses:

Foreign Language	6
Mathematics 1000C	3
Philosophy 2200C	3
Theology 2000 level	3
Theology 3000 level	3
Social Sciences	3

21 credits

St. John's Core Courses:

Art or Music	3
and	
Core Elective	3
Core Elective	3
Core Elective	3
(in three different fields outside of major area)	12 credits

Major Requirements:

(see departmental pages for specific details) 33 to 49 credits

General Electives: 17 to 33 credits

Graduation total: 126 credits minimum

Bachelor of Science Core Curriculum and Major Requirements

University Common Core Courses:

Discover New York	3
English 1000C	3
English 1100C	3
History 1000C	3
Philosophy 1000C	3
Philosophy 3000C	3
Theology 1000C	3
Speech 1000C	3

24 credits

University Distributed Core Courses:

Foreign Language	6
Philosophy 2200C	3
Theology 2000 level	3
Theology 3000 level	3
Social Sciences	3

18 credits

St. John's Core Courses:

Art or Music	3
and	
Core Elective	3
Core Elective	3
(in two different fields outside of math/science)	9 credits

Major Requirements:

(see departmental pages for specific details)

33 to 49 credits

Additional Math or Science Requirements

Specific to Each Major Field:

Biology	36 credits
Chemistry	16 credits
Env. Studies	8 credits
Mathematics	8 credits
Physics	8-16 credits

Major Requirements:

Biology	32 credits
Chemistry	45-48 credits
Env. Studies	50 credits
Mathematics	55 credits
Physics	23-37 credits

General Electives: 7 to 23 credits

Graduation total: 126 credits minimum

Bachelor of Fine Arts Core Curriculum and Major Requirements

University Common Core Courses:

Discover New York	3
English 1000C	3
English 1100C	3
History 1000C	3
Science 1000C	3
Philosophy 1000C	3
Philosophy 3000C	3
Theology 1000C	3
Speech 1000C	3

27 credits

University Distributed Core Courses:

Foreign Language	6
Mathematics 1000C	3
Philosophy 2200C	3
Theology 2000 level	3
Theology 3000 level	3
Social Sciences	3

21 credits

St. John's Core Courses:

None

Fine Arts Major Requirements:

Fine Arts	84 credits
Graphic Design	84 credits
Illustration	84 credits
Photography	84 credits

(see fine arts departmental pages for specific requirements regarding portfolios and internships)

General Electives:

None

Graduation total: 132 credits minimum

Art/Fine Arts (ART)

B.F.A. Major Sequences

Fine Arts

84 semester hours including: ART 1110, 2120, 1130, 1200, 1210, 2220, 2230, 2310, 2320, 1510, 2520, 1710, 1720, 2750, 2790; one course from ART 3240, 3330, 2530; 4909 (nine-credit internship), or 4125 (nine-credit Creative Thesis); plus 27 elective credits from the approved ART elective list as recommended by department advisor.

Graphic Design

84 semester hours including: ART 1110, 2120, 1130, 1200, 2220, 2310, 1510, 1710, 1720, 2750, 1105 1115, 2115, 2125, 2145, 3125, 3110, 3115, 3105, 3350; one course from ART 2310, 2320, 3330, 3340; 4909 (nine-credit internship) or 4125 (nine-credit Creative Thesis), plus 12 elective credits from the approved ART electives list as recommended by department advisor.

Illustration

84 semester hours including: ART 1110, 1130, 1200, 1210, 2220, 2230, 2310, 1510, 1710, 1720, 2750, 1105, 1270, 2280, 3115, 3110, 2145; 4909 (nine-credit internship) or 4125 (nine-credit Creative Thesis), plus 24 elective credits from the approved ART electives list as recommended by department advisor.

Photography

84 semester hours including: ART 1110, 1610, 1620, 1660, 1105, 1630; 12 credits in ART electives; six credits in Art History electives; 30 credits in Photography at the International Center of Photography (ICP) (one academic year); 4909 (nine-credit internship) or 4125 (nine-credit Creative Thesis) plus nine elective credits from the approved ART electives list as recommended by department advisor.

Minor Sequences

Art

21 semester hours: ART 1110, 1130, 1200, and four courses from approved ART electives list in consultation with department advisor.

Art History

21 semester hours: ART 1710, 1720, 2750. Three ART history elective courses (for a total of 9 credits) selected from ART 1660, 1770, 2740, 2790, 1730, 2760, 2770, 1790, 1020, 2730, or 1780. One studio course selected from ART 1110, 1610, 2120, 1200, 2310, 2320, 1410, 1510, 1080, 1060, 1070, 2250.

Graphic Design Minor

21 semester hours: ART 1105, 1115, 2125, 3115, 2145 and one course selected from ART 1630, 1610, 3640, 1080, and one course selected from ART 1110, 1130, 3350, 1510, 2115, 2130, 1135, 2135, 3120, 1670, 1370, 2250.

Photography

21 semester hours: ART 1610 or 1080, 1620, 2650, 1660, 1630 and two courses selected from ART 1110, 1105, 1115, 3640, 1510, 1810, 1820, 1135, 2135, 1670, 1790.

Music

18 semester hours including: MUS 1010, 1020, 1210; any three credits from piano/voice/organ, and two elective courses from MUS 1070, 1080, 1230, 1240, 1250, 1260, 1300, 2020.

Note: Approved ART electives list is available upon request in the department office.

Musical Theatre

18 semester hours including: nine semester hours in SPE 1510 or 1530, 1540, MUS 1260; three semester hours in Voice (MUS 1620,* MUS 1630); six semester hours chosen from among SPE 1580, SPE 2540, SPE 1520, SPE 1590, MUS 1070, MUS 1230, MUS 1240.

* MUS 1620 may be repeated twice.

Art/Fine Arts Course Offerings (ART)

Non-Major Art Courses

1000C Creativity and the Arts

A study of creativity as it is manifested in the fine arts: the visual arts, music, theatre and dance. Museum, theatre, concert visits required. *Credit: 3 semester hours. Studio fee, \$30.*

1010 Craft as Visual Art

An introduction to basic craft skills for the general student. Projects may include simple printmaking and book construction, puppet making, fiber techniques and sculpture. Classroom application of these skills is emphasized. Studio. *Credit: 3 semester hours. Studio fee, \$30.*

1020 Art in New York (Mini-Course)

An on-site survey of New York City's galleries and museums. Students visit major New York art institutions and view their collections. *Credit: 3 semester hours. Museum fee, \$30.*

1030 Understanding Art

An overview of art appreciation and history for the general student. Students study selected periods of art while learning the language of vision. Museum visits required. *Credit: 3 semester hours.*

1040 Creative Experiments

Explorations in creativity in the visual arts for the non-major. Drawing, collage, simple printmaking, clay and other two-and three-dimensional materials are used, at the discretion of the instructor, to develop the student's creative potential. *Credit: 3 semester hours. Studio fee, \$30.*

1050 Drawing Experiments

A course in creativity and the language of drawing for the non-major. Line, volume, perspective, space composition, proportion, value and movement are explored, as students confront the outer and inner worlds through the materials of drawing.

Credit: 3 semester hours. Studio fee, \$30.

1060 Watercolor Workshop (Mini-Course)

An intensive course in the watercolor medium for the non-major. Projects are structured to teach students visual sensitivity and creativity. *Credit: 3 semester hours. Studio fee, \$30.*

1070 Printmaking Workshop (Mini-Course)

An introduction to woodcut, etching and lithography for the non-major. Projects are structured to teach students visual sensitivity and creativity. *Credit: 3 semester hours. Studio fee, \$30.*

1080 Photography Workshop (Mini-Course)

A workshop course designed to develop a student's ability with the use of the camera as a tool for self expression. The fundamentals of black and white photography and its creative uses are explored. Applicable to major/minor sequences with written permission of the chairs. *35 mm camera required. Credit: 3 semester hours. Studio fee, \$30.*

1085 Introduction to Photography

An introduction to the tools, techniques and creative aspects of the photographic medium, for non-majors. *Credit: 3 semester hours. Studio fee, \$30.*

1086 Intermediate Photography

Prerequisite: ART 1085 or 1080. An exploration of intermediate, techniques, aesthetics, criticism and processes of photography. *Credit: 3 semester hours. Studio fee, \$30.*

1090 Jewelry Design

Principles of two-and three-dimensional design applied to jewelry. Students design ornaments in a variety of materials with emphasis given to cutting, hammering, soldering, braising and wax-casting of copper and brass. Gallery and museum visits required. *Credit: 3 semester hours. Studio fee, \$30.*

Major Art Courses

1105 Introduction to Graphic Design I

A studio introduction to the fundamentals of visual communication. Course includes formal application of design principles as well as exposure to tools, computer technology, methodology and visual analysis involved in the nature of message design. *Credit: 3 semester hours. Studio fee, \$30.*

1110 Foundation Design

A basic course in the elements of design and the principles of composition, pictorial space and structure as they relate to imagemaking. *Credit: 3 semester hours. Studio fee, \$30.*

1115 Introduction to Graphic Design II

Prerequisite: ART 1105. Continued exploration and exposure to visual communication problems and principles. Experimental opportunities with symbol design, form and progression problems, typography and analysis of the visual language of representation and interpretation. *Credit: 3 semester hours. Studio fee, \$30.*

1130 Color: Theory and Application

An exploration of the properties and perception of color and its function in the effective manipulation of visual communication. *Credit: 3 semester hours. Studio fee, \$30.*

1135 Computer Graphics

An introductory course exploring the history of computers, hardware, software evolution and the use of computers in the visual arts as a design tool. For the non-major. Emphasis is placed on the use of computers to solve design problems. *Credit: 3 semester hours. Studio fee, \$30.*

1200 Introduction to Drawing I

Black and white drawing materials, such as pencil, pen, brush and ink, conte, charcoal and chalks, are explored. Students are guided by problems in direct observation, linear and elliptical perspective, space, composition, modelling, and line quality. *Credit: 3 semester hours. Studio fee, \$30.*

1210 Introduction to Drawing II

Prereq: ART 1200. New drawing materials are introduced as students work toward exploring the visual world with increasing technical facility, emotional expressiveness and imagination. *Credit: 3 semester hours. Studio fee, \$30.*

1250 Italian Sketchbook (Abroad)

A studio course in drawing and watercolor techniques, using the architecture, landscape and people of Italy as subject. *Credit: 3 semester hours.*

1255 The French Sketchbook (Abroad)

A studio course in drawing and watercolor techniques, using landscape, architecture, and people of France as subject. *Credit: 3 semester hours.*

1270 Illustration I

An introductory illustration course that provides students with a basic overview of visual perception; using materials, techniques and the creative application of the principles of art to illustrative problem solving. *Credit: 3 semester hours. Studio fee, \$30.*

1280 Digital Illustration

An introduction to the central features and functions of Adobe Illustrator, the industry's leading vector-based application that is currently used as an illustration, technical drawing, animation and vector paint program. *Credit: 3 semester hours. Studio fee \$30.*

1290 Introduction to Cartooning

A studio course in cartoon and caricature. Students receive experience in the use of materials and techniques in their creative application. *Credit: 3 semester hours. Studio fee, \$30.*

1370 Aqueous Media in Paris (Abroad)

An introduction to water-based painting using the architecture, people and landscape of France as subject matter. Studio. *Credit: 3 semester hours.*

1510 Relief and Intaglio Printmaking (Printmaking I)

An introductory course to the basic printmaking media. Fundamentals of relief printmaking are explored through the wood-cut and linoleum cut. *Credit: 3 semester hours. Studio fee, \$30.*

1610 Photography I

An introduction to the camera and the fundamentals of black and white photography. Emphasis is on developing self-expression through creative photographic assignments and critiques. *35 mm camera required (preferably SLR). Credit: 3 semester hours. Studio fee, \$30.*

1620 Photography II

Prerequisite: ART 1610 or 1080. A continuation of ART 1610. Developing, printing and enlarging techniques are refined and applied to the specific needs of students. *35 mm camera required (preferably SLR). Credit: 3 semester hours. Studio fee, \$30.*

1630 Digital Photography

Prerequisite: ART 1105. An introduction to digital photography including an in-depth look at the central features and functions of Adobe Photoshop. *Credit: 3 semester hours. Studio fee, \$30.*

1660 History of Photography

An historical survey of the evolution of photography from its beginnings to the present time. *Credit: 3 semester hours.*

1670 Photography in Paris (Abroad)

An intimate photographic journey through Paris as seen through the viewfinder. Art and techniques of photography applied to an aesthetic visual study of people, culture and landscape. *35 mm camera required (preferably SLR). Credit: 3 semester hours.*

1710; 1720 The History of Art I; II

A historical survey of the painting, sculpture, architecture, and (to some extent) crafts of Western man from prehistoric to contemporary times. *Credit: 3 semester hours.*

1730 Pre-Columbian Art

A survey of the art history of selected Pre-Columbian civilizations of the Americas. *Credit: 3 semester hours.*

1740 Modern Architecture

The history of architecture and urban planning predominantly in the United States and Europe from the mid-19th century to the present. The development of architecture in relation to political, economic, and social histories will be addressed. *Credit: 3 semester hours.*

1770 Classical Archaeology

The history of archaeology and its contribution to our knowledge about the ancient world, its history and civilization. *Credit: 3 semester hours.*

1775 Art and Architecture in France (Abroad)

An overview of painting, sculpture, and architecture in rural France and the city of Paris from Roman Gaul through the 19th Century. *Credit: 3 semester hours.*

1780 The Art of the Renaissance in Italy (Abroad, Mini-Course)

A European study of the visual arts of the Renaissance in Italy. *This course may be substituted for any course in the ART history sequence except ART 2750. Credit: 3 semester hours.*

1785 Italian Renaissance Art and Literature

This course is an investigation of classical humanism in Italian literature and art covering the period that spans roughly 1350–1550 (primarily Abroad). *Credit: 3 semester hours.*

1790 Survey of Art and Architecture in Italy (Abroad)

A comprehensive survey course in the history of the visual arts and architecture on the Italian peninsula from ancient times to the modern era. *Credit: 3 semester hours.*

1795 The City of Rome (Abroad)

A study of the city of Rome through its art, historical periods, literary and cultural movements, and physical structure. *Credit: 3 semester hours.*

1810 The Art of Film I

This course introduces the student to the study of film as an academic discipline by defining the basic components of film practice, their historical developments and their specific applications in conveying meaning and ideological premises. *Credit: 3 semester hours. Fee, \$30.*

1820 The Art of Film II

This comparative study of the classical Hollywood cinema and modes of cinematic representation in other national cinemas and the avant-garde analyzes the cinema's relationship to culture's dominant ideological formations. *Credit: 3 semester hours. Fee, \$30.*

1830 Racism in Film

Examines some of the causes and effects of racism within culture and analyzes how films organize their formal properties into strategies that promote and/or reinforce racist values and belief systems. *Credit: 3 semester hours. Fee, \$30.*

1840 Sexism in Cinema and Television

This course analyzes the manner in which sexism functions as an ideological institution within American culture in and through cinema and television. *Credit: 3 semester hours. Fee, \$30.*

2115 Graphic Production

Continued exploration and exposure to the craftsmanship, terminology and technology necessary in the production of print media. Emphasis is on producing projects, from concept to camera-ready art, using the computer programs relevant to the field. *Credit: 3 semester hours. Studio fee, \$30.*

2120 Three-Dimensional Design

The principles of design as applied to three-dimensional structural form. Additive, subtractive, constructive and kinesthetic processes are explored. *Credit: 3 semester hours. Studio fee, \$30.*

2125 Typography

Exposure to the study of typography as visual communication tool. Experimental studies and related problems involving the fundamentals of type, theory, application, technology and history. *Credit: 3 semester hours. Studio fee, \$30.*

2130 Motion Graphics

Prerequisite: ART 1115 or ART 1105. The fundamentals of design in motion. Using video, still imagery and sound, students will study techniques of dubbing, assembling and inserting visuals to create graphics for television, the Web and cinema title design. Studio. *Credit: 3 semester hours. Studio fee, \$30.*

2135 Advanced Computer Graphics

An advanced course in computer graphics provides the opportunity to produce portfolio quality computer-generated graphics as it applies to print and television media using the Macintosh and IBM Graphic Workstations. For the non-major. *Credit: 3 semester hours. Studio fee, \$30.*

2145 History of Visual Communications

A comprehensive overview of the history of humanity's effort to give visual form to ideas and concepts, to store knowledge and give order and clarity to information. *Credit: 3 semester hours.*

2220 Anatomy and Figure Drawing I

The human skeleton and musculature are studied while drawing from the model. Basic proportions and movement of the figure in space are emphasized. *Credit: 3 semester hours. Studio fee, \$30.*

2230 Anatomy and Figure Drawing II

Prerequisite: ART 2220. The figure is studied in detail and used as the basis for experiments in space composition. Students work for emotional expressiveness as well as fluent accuracy and technical facility. *Credit: 3 semester hours. Studio fee, \$30.*

2240 Drawing for Illustration

A course designed to the development and application of drawing skills relative to creative illustration problems. Studio. *Credit: 3 semester hours. Studio fee, \$30.*

2250 Drawing and Design in Rome (Abroad)

An exploration of the rich artistic stimulus of Rome as the basis for understanding the fundamental structures of visual organization. On-site drawing- and studio-based projects. Side trips to Pompeii, Paestum, Siena, Assisi and Florence. *Credit: 3 semester hours.*

2280 Illustration II

Prerequisite: ART 1270. A course in advanced illustration that expands upon concepts and techniques acquired in ART 1270. Emphasis on specialized application of illustrative skills: medical, technical, product, anthropological, natural science illustration and illustration as journalism. *Credit: 3 semester hours. Studio fee, \$30.*

2310 Aqueous Media (Painting I)

An introduction to painting with an emphasis on developing sensibility and knowledge of color theory in its application to the painting process. *Credit: 3 semester hours. Studio fee, \$30.*

2320 Composition in Painting (Painting II)

Prerequisite: ART 1200. While concerned with compositional issues, this course is a concentrated investigation aimed at painting the figure in a representational mode. *Credit: 3 semester hours. Studio fee, \$30.*

2340 Painting in Italy (Abroad)

An Introduction to the medium of painting with an emphasis on developing a knowledge of color theory and its application to the painting process. Painting on-site with the ancient city of Rome and the surrounding countryside as a setting, focus is on developing structure in composition and sensitivity to light and atmosphere. Lectures and museum visits help students understand the cultural context

of the work of Italian ancients, modernist and European and American painters in Italy. *Credit: 3 semester hours.*

2430 Figurative Sculpture

An introduction to the principles and practices of figure sculpture. Studio. *Credit: 3 semester hours. Studio fee \$30*

2520 Printmaking II

Prerequisite: Art 1510, 1130,1210. A course designed to explore the various Intaglio printmaking processes in more depth. *Credit: 3 semester hours. Studio fee, \$30.*

2530 Printmaking III

Prerequisite: Art 1510,1130,1210. A course in the basic processes of metal plate and stone lithography. Surface preparation, various methods of image-making, etching procedures and printing are studied. *Credit: 3 semester hours. Studio fee, \$30.*

2650 Documentary Photography

Prerequisite: Art 1610. Documentary approaches to photographing people, places and events; creation of photographic images that articulate a vision of social and interpersonal issues. *Service-Learning component. 35mm camera required (preferably SLR). Credit: 3 semester hours. Studio fee, \$30.*

2740 European Art–19th Century

The course begins with an examination of Neo-Classicism as the harbinger of the Romantic Rebellion in the late 18th century before moving on to a survey of the painting, sculpture and architecture of the 1800s ending with Post-Impressionism. *Credit: 3 semester hours.*

2750 Twentieth-Century Art

A review of the Post-Impressionism and a survey of the painting, sculpture, architecture and newer media that thrived in the twentieth century. *Credit: 3 semester hours.*

2760 Latin American Art: Encounters Between Two Worlds

Using visual culture as a tool for assessment, this course will examine the way in which encounters between different groups of peoples with their respective belief systems have complicated a sense of unity in Latin American art from colonial times to the present. *Credit: 3 semester hours.*

2770 Women in the Arts

This course offers the student a survey of women in art history from antiquity to the present and will address areas related to the creation, collection and study of women and works of art. *Credit: 3 semester hours.*

2790 Contemporary Art and Culture, 1945–Present

Examination of avant-garde issues in visual art. Artistic, theoretical and historical concerns are researched to discuss international developments in contemporary art and art criticism. *Gallery and museum visits required. Credit: 3 semester hours.*

2929 Culture of Southern Italy, A Visual Journey (Abroad)

A photography course, taught abroad, concentrating on the documentation of a variety of cultures throughout southern Italy. *Credit: 3 semester hours.*

3105 Advertising Production

In the context of a national advertising competition, students learn the pressures and rewards of designing, producing and presenting a comprehensive advertising campaign. *Credit: 3 semester hours. Studio fee, \$30.*

3110 Professional Portfolio

A pre-professional course in which students with clarified career goals refine and perfect their portfolios by emphasizing the needs and concerns of target markets. Business skills, legal, contractual and taxation issues prepare the student for the professional world. *Credit: 3 semester hours. Studio fee, \$30.*

3115 Book Arts

Prerequisite: ART 1105 and ART 1510. Application of advanced graphic design principles involved in the conception and production of visual elements of book design. *Credit: 3 semester hours. Studio fee, \$30.*

3120 Web Design

Prerequisite: ART 1105, 1115. This course is specifically structured to introduce art majors to the tools and visual language required for successful web design. The student will systematically learn how to build WEB sites using Dreamweaver and other pertinent programs. *Credit: 3 semester hours. Studio fee, \$30.*

3125 Advanced Typography

Prerequisite: ART 2125. Complex typographical concerns exploring the use of type in a variety of medias, with emphasis on the development of a personal typographical problem solving. Studio. *Credit: 3 semester hours. Studio fee \$30*

3130 Advanced Web Design Course

Prerequisite: ART 1115, 3120. This course in Advanced Web Design is structured to introduce art majors to media rich Web design via the "flash" Macromedia plug-in. This design course allows students to add animation and interactivity to their Web design projects. *Credit: 3 semester hours.*

3135 Junior Design

Prerequisite: ART 1105, 1115, 3125, or 2115. This course will emphasize the formal visual and theoretical competencies needed in design problem solving though the use of advanced level studio projects. The class will also respond to contemporary issues in the graphic design though reading, written projects, field trips and class lectures. Students will be encouraged to make connections between design theory and methodology explored in lectures and their own work. *Credit: 3 semester hours. Studio fee, \$30.*

3240 Drawing Media Experimentation

An opportunity for intermediate students to explore drawing techniques using mixed media combinations in great depth. *Credit: 3 semester hours. Studio fee, \$30.*

3330 Acrylic Painting

Developing a focus in stylistic and content concerns, this investigation pursues a refinement of the student's directions in painting. *Credit: 3 semester hours. Studio fee, \$30.*

3340 Figurative Painting (Painting III)

Developing a focus in figurative concerns, this investigation pursues a refinement of the student's directions in painting.

Credit: 3 semester hours. Studio fee, \$30.

3350 Mixed Media Concerns

An advanced level of research pursuing high standards of studio creativity and application.

Credit: 3 semester hours. Studio fee, \$30.

3550 Experimental Printmaking

Prerequisite: Art 1510. Individual study for advanced printmakers. The course encourages further exploration of various print media.

Credit: 3 semester hours. Studio fee, \$30.

4120 Senior Design

Prerequisite: ART 1105, 1115, 2115, 2125 or 3125. The development of theories and practices for communication design exploring social responsibility, sustainability, ethics, client relations, originality and compensation are covered. *Studio. Credit: 3 semester hours. Studio fee \$30*

4125 Creative Thesis

Restricted registration. Open to senior B.F.A. degree candidates only, upon recommendation of the Chair and Faculty Review Committee. Prerequisite: Completion of 78 art credits. A written statement of intention by each individual, followed by the creation of a major or related body of work in the area of concentration. Credit: 9 semester hours. Studio fee, \$30.

4909 Internship

Restricted registration. Open to senior B.F.A. degree candidates only, upon recommendation of the Chair and Faculty Review Committee. Prerequisite: Completion of all required studio art courses. Students are placed in design studios, advertising agencies, galleries, museums or other institutions concomitant with their career aspirations, where they gain practical experience in real situations under the supervision of working professionals. Credit: 9 semester hours.

4953 Independent Study (Art)

A semester of independent work in the student's major field of concentration. *(permission of the Department Chair required). Credit: 3 semester hours.*

Music Course Offerings (MUS)

Literature and History of Music

1010 Introduction to Music

An introduction to the art of listening to music through a discussion of the basic musical elements and musical structures.

Credit: 3 semester hours.

1070 The Opera

Development of the opera from its antecedents prior to the 17th century through to the present, with particular emphasis on the distinct nature of opera as an independent art form. *Credit: 3 semester hours.*

1080 World Music

A survey of the history and development of music as a worldwide phenomenon, utilizing ethnomusicological methodology and cultural analysis as process. *Credit: 3 semester hours.*

1085 Popular Music of the Non-Western World

The course introduces students to ethnomusicology and the cross-cultural study of popular music and culture. It explores music, performance and ideas from around the world. The course explores the role of music in human life. Ability to read musical notation is not required. No musical background is required. *Credit: 3 semester hours.*

1210 Twentieth Century Music

An in-depth study of the major musical trends of the 20th century. *Credit: 3 semester hours.*

1230 History of American Popular Music

A survey of popular music in America from colonial times to the present; a study of how popular music reflects the times and trends of American society. *Credit: 3 semester hours.*

1240 History of Music in Film

A survey of the history and development of music in films from its earliest use to present inclusion in motion pictures. *Credit: 3 semester hours. Fee, \$30.*

1250 Sacred Music

An intensive study of the literature of sacred music of the Western world from ancient times to the present. *Credit: 3 semester hours.*

1260 The American Musical Theatre

The history of the American musical; its early influences, its continued stylistic changes and its current trends. *Credit: 3 semester hours.*

1300 History of Jazz

A survey of the history and development of jazz as a unique American art form; the sociological, folk and primitive backgrounds of jazz, as well as its development as an improvisatory art; the contributions of jazz to concert music. *Credit: 3 semester hours.*

Theory and Composition

1020 Theory I

Scales, intervals, sight-singing, ear training, melodic dictation, elementary keyboard work, and the explanation of musical terminology. *Credit: 3 semester hours.*

2020 Theory II

Prerequisite: MUS 1020. A study of triads, sevenths, ninths, chords and elementary modulations; further practice in ear training, harmonic analysis of compositions with emphasis on the Bach chorales. *Credit: 3 semester hours.*

Applied Music

1600; 2600 Piano I; II

Private lessons in piano. Instructor's studio and limited teaching on campus; access to a piano required. *Credit: 1 semester hour per semester. Special fee, \$400.*

1620; 2620 Voice I; II

Private lessons in voice. Instructor's studio or on campus. *Credit: 1 semester hour per semester. Special fee, \$350.*

Asian Studies (ASC)

Major Sequence

36 semester hours including: 12 semester hours of language courses from Chinese (CHI, Japanese (JPN) or Korean (KOR), 1010, 1020, 1030, 2030, 2040, 3090, 3100 (Students may combine different languages, but must complete at least one course above level three.); 24 semester hours of non-language courses chosen from any undergraduate Asian Studies or Chinese Studies course including ASC 1300 and 2610. Eligible juniors and seniors may also choose graduate-level Asian Studies or Chinese Studies courses with approval of the Director of the Institute of Asian Studies.

B.A./M.A.

Students accepted into the five-year B.A./M.A. program in Asian Studies matriculate for a total of 54 to 57 semester hours in ASC and CHI courses. On the undergraduate level, requirements include ASC 1300 and 2610. Students must also complete the following two required graduate-level courses: ASC 102, 300. For specific M.A. degree program requirements, consult the St. John's University Graduate Bulletin.

Asian Studies Course Offerings (ASC)

1230 Contemporary China

An introduction to modern China from World War II to the present, with special emphasis on the problems of political, social and economic development. *Credit: 3 semester hours.*

1250 Contemporary Japan

The political, economic, social and religious development of Japan from the end of World War II to the present. *Credit: 3 semester hours.*

1300; 1310 Introduction to the Civilizations of Asia I and II

An introduction to the historical, political, economic and social forces that have shaped and continue to influence the modern civilization of Asia. *Credit: 3 semester hours.*

1330 Contemporary Korea

An introduction to modern Korea from WWII to the present, with special emphasis on the political, social and economic problems facing the divided Korean nation. *Credit: 3 semester hours.*

1480 Introduction to Chinese Thought

The basic ideas and concepts of Chinese civilization as expressed in its philosophy and writings from ancient to modern times. *Credit: 3 semester hours.*

1490 Introduction to Japanese Thought

The basic concepts of Japanese civilization as expressed in its philosophy and literature from ancient to modern times. *Credit: 3 semester hours.*

1650 Sports in China

The impact of sports in China, domestically and internationally. *Credit: 3 semester hours.*

1800 Introduction to Buddhism

The origin of Buddhism in India: its metaphysics, ethics, monastic order and scriptures. *Credit: 3 semester hours.*

2210 Chinese Literature in Translation

An introduction to important Chinese works in translation from ancient to modern times, with special emphasis on major trends and genres in the historical development of literature in China. *Credit: 3 semester hours.*

2380 American Investment in China

An introduction to American businesses' rewards and risks in China: foreign direct investment and capital market investment. *Credit: 3 semester hours.*

2480 Doing Business in China

Challenges confronting American businesses seeking opportunities afforded by China's massive economic reform, including issues such as strategic alliances, investments vehicles, marketing and distribution. *Credit: 3 semester hours.*

2510 History of Modern East Asia

The forces and events that have shaped 20th century China, Japan and Korea including modernization, the emergence of nationalism, imperialism, Communism and the problems of the contemporary period. *Credit: 3 semester hours.*

2530 History of Modern China

The tragedies and triumphs of China in the modern world: the fall of the Manchu Empire, warlordism, WWII, civil war, the Communist Revolution, Maoism, the recent economic miracle and strategic choices for the future. *Credit: 3 semester hours.*

2540 America Meets China

A historical look at the encounter between the U.S. and China from 1785 to the present, as a prologue to the uniquely American forms of globalism and multiculturalism. *Credit: 3 semester hours.*

2610 Discovering China

Introduction to Chinese culture: institutions, philosophical trends, religion, art, literature, family/marriage, science and technology. *Credit: 3 semester hours.*

2710 Governments and Politics of the Far East

The political and institutional developments in the Far East, with major emphasis on China, Japan and Korea, their political backgrounds and present foreign relations. *Credit: 3 semester hours.*

3710 Banking in East Asia

Banking in East Asia: core banking functions, types of banks, diversification of banking activities, risk management issues, bank failure and financial crises, and competitive issues. *Credit: 3 semester hours.*

4953 Reading and Research

Restricted Registration. Open to ASC majors only. With permission of the Director, a student conducts research under the guidance of a faculty advisor. *Credit: 3 semester hours.*

Chinese Course Offerings (CHI)

1010; 1020 Elementary Chinese

Prerequisite: CHI 1010 is a prerequisite for CHI 1020. *Corequisite:* MFL 1011, *Language Laboratory.* The development of audio-lingual and reading skills through a study of the essentials of grammar, pronunciation and vocabulary. *Credit: 3 semester hours. Laboratory fee, \$25 per semester.*

2030; 2040 Intermediate Chinese

Prerequisite: CHI 1020 or placement exam. CHI 2030 is a prerequisite for CHI 2040. *Corequisite:* MFL 1011, *Language Laboratory.* A review of the essentials of grammar, extensive vocabulary building and development of writing skills. *Credit: 3 semester hours. Laboratory fee, \$25.*

3090; 3100 Readings of Selected Chinese Essays

Prerequisite: CHI 2040 or placement exam. Readings of selected works of representative writers of Chinese literature. *Credit: 3 semester hours.*

Japanese Course Offerings (JPN)

1010; 1030 Elementary Japanese

Prerequisite: JPN 1010 is a prerequisite for JPN 1030. *Corequisite:* MFL 1011, *Language Laboratory.* Reading, writing and conversation through a study of all major types of Japanese sentences. Study of the essentials of grammar, pronunciation, accent, intonation and vocabulary is emphasized. *Credit: 3 semester hours. Laboratory fee, \$25.*

2030; 2040 Intermediate Japanese

Prerequisite: JPN 1030 or placement exam. JPN 2030 is a prerequisite for JPN 2040. *Corequisite:* MFL 1011, *Language Laboratory.* This course increases the student's ability in comprehending, reading and writing Japanese. *Credit: 3 semester hours. Laboratory fee, \$25.*

3090; 3100 Readings in Selected Japanese Essays

Prerequisite: JPN 2040 or placement exam. Intensive reading of selected essays compiled in Standard Japanese Readers, Book Two. 350 new Kanji are introduced. *Credit: 3 semester hours.*

Korean Course Offerings (KOR)

1010; 1020 Elementary Korean

Prerequisite: KOR 1010 is a prerequisite for KOR 1020. *Corequisite:* MFL 1011, *Language Laboratory.* Introduction to Korean. The students study the fundamentals of the Korean language with emphasis on the Korean alphabet, spelling, pronunciation and basic grammar. *Credit: 3 semester hours. Laboratory fee, \$25.*

2030; 2040 Intermediate Korean

Prerequisite: KOR 1020 or placement exam. KOR 2030 is a prerequisite for KOR 2040. *Corequisite:* MFL 1011, *Language Laboratory.* This course provides a systematic expansion of vocabulary and grammatical forms of standard Korean. Chinese characters, as used in Korean mixed script, are also introduced. *Credit: 3 semester hours. Laboratory fee, \$25.*

3090; 3100 Readings in Selected Korean Essays

Prerequisite: KOR 2040 or placement exam. Completion of the introduction to Korean writing in mixed script and intensive reading in contemporary Korean essays. *Credit: 3 semester hours.*

Biology (BIO)

Major Sequence

32 semester hours including BIO 1000, 1001L, 2000, 2001L or 3000, 3001L and 20 elective hours in BIO. In addition, biology majors are required to take CHE 1210, 1220, 2230, 2240, MTH 1210, 1220 and PHY 1610, 1620 or 1930, 1940. BIO 1050, 1060, 1360 and 1600 are not applicable to the major sequence. Students are encouraged to take advantage of possibilities for research: BIO 4953 and 4954. Non-biology majors seeking to take one year of Biology should register for BIO 2000 and 3000.

B.S./M.S.

The Department of Biological Sciences offers an accelerated B.S./M.S. program designed to be completed in five years, which is open to undergraduate juniors with a 3.0 cumulative index overall and a 3.5 index in biology. B.S./M.S. students complete a total of 144 credits, 33 on the graduate level including BIO 207, 208; 211 and three semesters of BIO 599. Undergraduate credits must include BIO 1000, 1001L; 2000, 2001L; 3000, 3001L; and 4953, 4954; and either BIO 3320, 3390, or 3470 in addition to all other science requirements for the major. Normally, students take BIO 207, 208, 211 and 248 or a comparable elective and one semester of BIO 599 in the fourth year, electives and two semesters of BIO 599 in the fifth year. Those selecting the thesis option also complete six credits of BIO 900 and additional elective credits. Other students complete additional elective credits. For detailed information, students should consult the graduate Dean's Office during their freshman or sophomore year.

Minor Sequence

20 semester hours: BIO 1000, 1000L, 2000, 2001L, 3000, 3001L plus any two other courses listed in the current bulletin and approved by the department for minors. BIO 1050, 1060, 1360 and 1600 are not applicable to the minor sequence. Some of these courses have other prerequisites such as CHE 2240.

Biology Course Offerings (BIO)

1000 Fundamentals of Biology, I: Introduction to Population Biology

Corequisite: BIO 1001L *Laboratory.* Evolution, classification and taxonomy, population biology and ecology. *Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

1001L Fundamentals of Biology I Laboratory

Corequisite: BIO 1000. The principles of evolution, population biology and ecology from a laboratory perspective. *Laboratory, 3 hours. Laboratory fee, \$100.*

1050 Human Biology

An integrated study of aspects of human anatomy and physiology. Included are anatomy, physiology, cell biology, genetics, histology, embryology, growth and development. *Not open to BIO majors. Credit: 3 semester hours.*

1060 Biology and Health

An introduction to a basic understanding of the functioning of the body in health and disease and a knowledge of the contemporary advances in medicine and allied health fields. *Not open to BIO majors. Credit: 3 semester hours.*

1070 Environmental Biology

An introduction to human ecology and evolution; interrelations between humans and environment at the individual, population and ecosystem levels. *Not open to BIO majors. Credit: 3 semester hours.*

1360 Biology and Society

A study of environmental science and its relation to the human condition, changes in population, resources of the earth, chemicals in the environment and human health. *Not open to BIO majors. Credit: 3 semester hours. (SI)*

1600 Field Biology (Mini-Course)*

General principles of ecology and field sampling techniques to measure parameters that influence the distribution of organisms in various ecosystems. *Field trips required. Not applicable in major or minor sequences. Not open to students who have previously taken BIO 3370. Credit: 3 semester hours.*

2000 Fundamentals of Biology, II: Introduction to Cell and Molecular Biology

Prerequisite: CHEM 1201. *Corequisite:* BIO 2001L; *Laboratory.* Exploration of the basic principles governing the activities of living organisms at the molecular and cellular levels. *Lecture, 3 hours. Credit: 3 semester hours.*

2001L Fundamentals of Biology II: Laboratory

Corequisite: BIO 2000. The principles and concepts of molecular and cell biology from a laboratory perspective. *Laboratory, 3 hours. Credit: 1 semester hour. Laboratory fee, \$100.*

2250 Introduction to Neurobiology

Prerequisite: BIO 3000 and 2000. The study of nervous systems from invertebrate to mammals focusing primarily on the mechanisms by which the brain functions. *Credit: 3 semester hours. Students who select this course are permitted to graduate with 31 credits of biology.*

2260 Cellular Biology of Human Tissues

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 2261 *Laboratory.* A study of the human tissues, with emphasis on the cellular and molecular bases of their organization and function. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$100.*

2280 General Microbiology

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 2281 *Laboratory.* The study of form and function in prokaryotic and eukaryotic microorganisms; microbial growth, metabolism, genetics, biochemistry and host defenses against microbial infection. *Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, \$100.*

2310 Botany

Prerequisite: BIO 1000; 1001L. *Corequisite:* BIO 2311 *Laboratory.* The biology of plants: their morphology, evolution and classification. *Field trips. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

2510 Aquatic Ecology

Prerequisite: BIO 2230; or *consent of instructor.* *Corequisite:* BIO 2511 *Laboratory.* Introduction to major ecological principles of freshwater and marine habitats. *Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3000 Fundamentals of Biology, III: Introduction to Organismic Biology

Prerequisite: BIO 2000. *Corequisite:* BIO 3001L *Laboratory.* Basic principles of physiological function and developmental processes. *Lecture, 3 hours. Credit: 3 semester hours.*

3001L Fundamentals of Biology III: Laboratory

Prerequisite: BIO 2001L *Laboratory. Corequisite:* BIO 3000. The principles of physiology and development from a laboratory perspective. *Laboratory, 3 hours. Credit: 1 semester hour. Laboratory fee, \$100.*

3270 Developmental Biology

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 3271 *Laboratory.* A study of how the fertilized egg develops into a complex organism. Both descriptive embryology and experimental analysis of development are studied. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3300 General Physiology

Prerequisites: BIO 3000; 3001L, CHE 2230. *Corequisite:* BIO 3301 *Laboratory and PHY 1620 or 1940.* A study of cell functions and intercellular relationships necessary for an understanding of the whole (multicellular) organism. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3320 Genetics

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 3321 *Laboratory and CHE 2240.* The principles of genetics including the consideration of the nature of genetic material, its mode of transmission, modes of expression and mechanisms of gene action. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3370 Ecology

Prerequisite: BIO 1000 or *consent of instructor.* *Corequisite:* BIO 3371. Ecological principles concerning animals and plants, with emphasis on group phenomena, especially the dynamics and evolution of ecosystems, communities and populations. *Field trips. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3390 Biochemistry

Prerequisite: BIO 3000; 3001L and CHE 2240, or *consent of the instructor.* *Corequisite:* BIO 3391 *Laboratory.* An introduction to the chemistry of biological compounds; the principles of enzymology; the metabolism of carbohydrates, lipids, proteins, and nucleic acids, and the control of metabolism. *Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3460 Concepts of Immunology

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 3461 *Laboratory.* Useful background: inorganic and organic chemistry, microbiology. An introduction to the organization and functions of the immune system along with basic experimental methodologies. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3470 Molecular and Cell Biology

Prerequisite: BIO 3000; 3001L and 3390. *Corequisite:* BIO 3471 *Laboratory.* Molecular basis of gene expression in prokaryotic and eukaryotic cells, molecular principles of cell architecture, and the cell cycle. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3490 Dental Preceptorship

Prerequisite: BIO 3000. Clinical observation in general dental practice and selected dental specialties. *Credit: 1 semester hour.*

4953; 4954 Research in Biology

Prerequisite: 3.0 GPA, approval of the Undergraduate Educational Policy Committee and acceptance from a member of the department faculty for a research project. *Registration in both 4953 and 4954 simultaneously requires explicit approval of the UEPC.* Qualified juniors and seniors majoring in biology may undertake directed research in a chosen field of biology. *Laboratory and Seminars, 4 hours. Credit: 2 semester hours per semester. Laboratory fee, \$60.*

Business (BUS)

Minor Sequence

18 semester hours including: ACC 2338 and 2339 or 2340; ECO 1301, 1302; MGT 2301; and MKT 3301. The business minor sequence requires MTH 1310, 1320, and CIS 1332 and DS2333 as prerequisite to junior level courses. No student is permitted to enroll in any junior or senior level business course (courses numbered 3000 or above) without completing the designated prerequisite(s): MTH 1310 and 1320 and [CIS 1332 or DS2333].

Note: BUS courses are taught by The Peter J. Tobin College of Business faculty. Students interested in pursuing the Business minor should consult The Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

Chemistry (CHE)

Major Sequences

45 or 49 semester hours including: CHE 1210, 1220, 2230, 2240, 3250, 3270, 3280, 3300, 3321, 3340 and 3441; Option I or II or III (see below). In addition, all chemistry majors must take MTH 1730, 1740 and PHY 1930, 1940.

Option I: B.S. in Chemistry (45 credits)

One of the following: CHE 3330, 4351, 4361, 4903, 3390, 3420, 3431, or a 100 level graduate CHE course.

Option II: B.S. in Chemistry with American Chemical Society Certification (49 credits)

CHE 3390 and one of the following: CHE 3330, 4351, 4361, 4903, 3420, 3431, or a 100-level graduate CHE course.

Option III: B.S. in Chemistry with a Concentration in Biochemistry (49 credits)

CHE 3390 and BIO 3470. CHE 3330 and BIO 3320 are also highly recommended electives.

B.S./M.S.

Students admitted to the accelerated B.S./M.S. Program in chemistry take as their major sequence in chemistry for their baccalaureates these 41/42 semester hours: CHE 1210, 1220, 2230, 2240, 3250, 3270, 3280, 3300 or 101, 3320, 3340 or 111, 3441. Students must consult with the department for the scheduling of courses. In addition, students in the B.S./M.S. Program in chemistry must elect the thesis option for the M.S. degree and complete CHE 4351 and one additional graduate course (either CHE 121 or 141) during their senior year. Students completing the baccalaureate will receive ACS Certification of their degree. Eligibility requires a 3.0 overall index with a 3.5 index in the major. For additional requirements for the master's degree, students should consult the St. John's University Graduate Bulletin.

Minor Sequence

26 semester hours: CHE 1210, 1220, 2230, 2240, and two additional chemistry courses with numbers above 2240.

Chemistry Course Offerings (CHE)

1100 College Chemistry

A study of some of the basic concepts of chemistry, with an emphasis on chemical stoichiometry and the relationship between the periodic table and the chemical and physical properties of elements and their compounds. A preparatory course for General Chemistry (CHE 1210) for students whose background in science is weak and for those who have had no prior CHE course. *Lecture, 2 hours. Recitation, 1 hour. Credit: 3 semester hours.*

1110; 1120; 1130 Introduction to General and Organic Chemistry

Prerequisite: CHE 1100 (or another prior CHE course) is a prerequisite for CHE 1110. CHE 1110 is a prerequisite for CHE 1120. CHE 1120 is a prerequisite for CHE 1130. *Corequisite:* CHE 1111 Laboratory and CHE 1112 Recitation are corequisites for CHE 1110. CHE 1121 Laboratory and CHE 1122 Recitation are corequisites for CHE 1120. CHE 1131 Laboratory and CHE 1132 Recitation are corequisites for CHE 1130. An introduction to the principles and concepts of general and organic chemistry for students planning to pursue the Pharm.D or P.A. degree in Pharmacy. *Course sequence does not satisfy the CHE requirements for BIO or CHE majors or Pre-Med students. Not applicable to the CHE minor sequence. Lecture, 3 hours. Recitation, 1 hour. Laboratory, 3 hours. Credit: 4 semester hours per semester. Laboratory fee: \$60 per semester.*

1140 Introduction to General and Organic Chemistry

Prerequisite: CHE 1130. *Corequisite:* CHE 1141 Laboratory and CHE 1142 Recitation. A continuation of CHE 1110, 1120 and 1130 to complete a sequence equivalent to CHE 1210, 1220, 2230, and 2240. This course provides more advanced topics in chemical structure, thermodynamics, kinetics and organic chemistry required of students interested in the sciences or pre-medical professional fields. *Note: Course along with 1110, 1120 and 1130 satisfies CHE requirements for BIO/CHE majors and PRE-MED students. Lecture, 3 hours. Credit: 4 semester hours per semester. Laboratory fee, \$60 per semester.*

1210 General Chemistry I

Prerequisite: CHE 1100 (or another prior CHE course) is a prerequisite for CHE 1210. *Corequisite:* CHE 1211 Laboratory and CHE 1212 Recitation are corequisites for CHE 1210. Principles and concepts of chemistry with emphasis place on stoichiometry, atomic and molecular structure and inorganic chemical reactions. In the laboratory, emphasis is placed on quantitative measurements. *Lecture, 3 hours. Recitation, 1 hour. Laboratory, 4 hours. Credit: 5 semester hours. Laboratory fee, \$60 per semester.*

1220 General Chemistry II

Prerequisite: CHE 1210 is a prerequisite for CHE 1220. *Corequisite:* CHE 1221 Laboratory and CHE 1222 Recitation are corequisites for CHE 1220. Introductory physical chemistry focusing on equilibrium, kinetics, electrochemistry and properties of matter, including acids and bases. *Lecture, 3 hours. Recitation, 1 hour. Laboratory, 4 hours. Credit: 5 semester hours. Laboratory fee, \$60 per semester.*

1310 Honors General Chemistry: Introduction to Physical Chemistry

Prerequisites: It is expected that students will have had at least one year of chemistry in high school and one year of pre-calculus. *Corequisites:* MTH 1730 and CHE 1313LR. Principles and concepts of chemistry emphasizing quantum mechanics, thermodynamics, physical properties of solids, liquids and gases, equilibria, acids and bases. *Credit: 3 semester hours.*

1313RL Honors General Chemistry: Laboratory and Recitation

Prerequisite: Students are expected to have had at least one year of chemistry in high school. *Corequisites:* MTH 1730 and CHE 1310. A course whose primary focus is on the procedures and techniques used in the modern chemical laboratory and recitation for the lecture CHE 1310. *Recitation, 1 hour. Laboratory, 4 hours. Credit: 2 semester hours.*

1320 Honors General Chemistry:

Prerequisite: CHE 1310, CHE 1210 with permission of instructor. *Corequisite:* CHE 1321L Laboratory is a corequisite for CHE 1320. Principles and concepts of chemistry with a study of the elements and their compounds, including acid base chemistry, electrochemistry, transition metals, main group elements, and nuclear chemistry. *Lecture, 3 hours. Recitation, 1 hour. Credit: 4 semester hours.*

1321RL Honors General Chemistry: Laboratory II

Corequisite: CHE 1320. A continuation of 1313RL in which the primary focus is on the procedures and techniques used in the modern chemical laboratory and recitation for the lecture CHE 1320. *Laboratory, 4 hours. Credit 1 semester hour. Laboratory Fee \$60 per semester.*

2230; 2240 Organic Chemistry

Prerequisite: CHE 1220. CHE 2230 is a prerequisite for CHE 2240. *Corequisite:* CHE 2231 Laboratory is a corequisite for CHE 2230. CHE 2240 Laboratory is a corequisite for CHE 2241. An introduction to the fundamental principles of organic chemistry in which the synthesis, structure, and mechanisms of reactions of organic compounds are emphasized. *Lecture, 3 hours. Laboratory, 4 hours per week. Credit: 5 semester hours. Laboratory fee, \$60 per semester.*

3250 Quantitative Analysis

Prerequisite: CHE 1220. *Corequisite:* CHE 3251 Laboratory. Quantitative analytical methods in chemistry. Buffer systems; important polybasic acids; an introduction to spectrophotometric and electrochemical methods. *Lecture, 2 hours. Laboratory, 6 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3270 Physical Chemistry I

Prerequisite: CHE 2240, MTH 1220 or 1740.
Corequisite: PHY 1940. Kinetic theory of gases, thermodynamics of pure substances, mixtures and chemical reactions, chemical kinetics. Particular emphasis will be placed on processes under non-standard state conditions.
Credit: 3 semester hours.

3280 Physical Chemistry II

Prerequisite: CHE 3270, MTH 1740.
Corequisite: CHE 3321. Introduction to quantum mechanics and approximate methods, introduction to atomic and molecular spectroscopy and introduction to statistical thermodynamics. *Credit:* 3 semester hours.

3300 Instrumental Methods of Chemical Analysis

Prerequisite: CHE 3250, 3270, 3280.
Corequisite: CHE 3301 *Laboratory.* Basic electronics, principles of instrumentation, transducers for chemical systems, applications of instrumental measurements and techniques, including infrared, fluorescence, ultraviolet, and nuclear magnetic resonance spectroscopy, gas chromatography, liquid chromatography, differential scanning calorimetry, electrochemical methods. *Lecture, 2 hours. Laboratory, 6 hours. Credit:* 4 semester hours. *Laboratory fee, \$60.*

3321 Experimental Physical Chemistry

Corequisite: CHE 3280. A laboratory course designed to correlate the abstract principles and equations of physical chemistry with the experimental observations upon which they are based. *Lecture, 1 hour. Laboratory, 6 hours. Credit:* 3 semester hours. *Laboratory fee, \$60.*

3330 Bioorganic Chemistry

Prerequisite: CHE 2230 and 2240. The application of the principles and tools of organic chemistry to the understanding of biological processes involving proteins, nucleic acids, and carbohydrates. *Lecture, 3 hours. Credit:* 3 semester hours.

3340 Advanced Inorganic Chemistry

Prerequisite: CHE 3280 and MTH 1740. Nuclear chemistry, atomic theory and periodic properties; covalent, ionic, and metallic bonding; introduction to molecular symmetry and point groups; acid-base theories and transition metal chemistry. *Lecture, 3 hours. Credit:* 3 semester hours.

3390 Biochemistry

Prerequisite: BIO 1220, 1221 and CHE 2240 or permission of the instructor. An introduction to the chemistry of biological compounds; the principles of enzymology; the metabolism of carbohydrates, lipids, proteins and nucleic acids and the control of metabolism. *Lecture, 3 hours. Laboratory, 3 hours. Credit:* 4 semester hours. *Laboratory fee, \$60.*

3420 Environmental Chemistry

Prerequisite: CHE 1220. The chemical principles which govern environmental quality and environmental regulations are developed using specific examples such as global warming, ozone depletion, water quality and air pollution. *Credit:* 3 semester hours.

3431 Methods in Environmental Chemistry

Prerequisite: CHE 3420. Laboratory work providing hands-on experience with the techniques and instruments used in modern environmental investigations.
Credit: 3 semester hours.

3441 Introduction to Inorganic Synthesis

Prerequisite: CHE 3340. An introduction to the techniques and methods utilized in the synthesis and characterization of inorganic compounds. *Lecture, 1 hour. Laboratory, 4 hours. Credit:* 2 semester hours. *Laboratory fee, \$60.*

4351; 4361 Research Participation I; II

Prerequisite: CHE 2240 and permission of the professor. Active participation in an ongoing research project of one of the faculty members. Affords first-hand experience in the scientific process of discovering and correlating new knowledge. Students taking these courses for either a major or a minor in chemistry must submit a written research report at the end. Research experience is highly recommended by the American Chemical Society. Laboratory hours arranged. *Credit:* 3 semester hours. *Laboratory fee, \$60 per semester.*

4903 Chemistry Internship

Prerequisite: CHE 2240. This course provides credit for a well-designed program of summer research or industrial participation in the chemical sciences. Students enrolled must spend at least 300 hours in academic research or in another activity associated directly with the chemical industry. Students are required to write a comprehensive, scholarly report covering all aspects of their work.
Credit: 3 semester hours.

Economics (ECO)

Students interested in pursuing the ECO major/minor should consult The Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

Major Sequence

36 semester hours including: ECO 1301, 1302, 3303, 3341, 3343; DS 2333, 2334; and five elective courses in the major, selected in consultation with a departmental advisor, from ECO 2309, 3306, 3307, 3313, 3323, 3335, 3344, 3346, 3347, 3348, 4340, 4345, 4350, FIN 3310, 3312, 3316, 3318. ECO 1326 and ECO 2327 are not applicable to the major sequence. No more than two of the above FIN courses may apply to the major. Additional FIN courses may be taken as general electives.

All ECO majors are required to take MTH 1310 and 1320. MTH 1320 is one of the prerequisites for DS 2333. ECO majors are also encouraged to take a computer science course, e.g., CSC 1390 or CIS 1332.

Minor Sequence

18 semester hours including: ECO 1301, 1302, 2309, and nine semester hours in ECO selected in consultation with a departmental advisor. ECO 1326 and ECO 2327 are not applicable to the minor sequence. *Note: ECO courses are taught by The Peter J. Tobin College of Business faculty.*

Education

Students who wish to obtain teacher certification should consult the School of Education section of this Bulletin and/or see the Dean for additional information.

English (ENG)**Major Sequence**

36 semester hours, including nine credits in ENG 1100C, 2200 and 2300. In addition, each student must take one course in each of the four divisions (I–IV) of literary studies (12 credits), a seminar (3 credits), and 12 credits in electives.

B.A./M.A.

The students accepted in the five-year B.A./M.A. program matriculates for 30 undergraduate credits, including the three required English courses (ENG 1100C, 2200 and 2300), a course in each of the four major divisions, 6 credits in electives, and a seminar. They matriculate in two graduate courses in the junior year and two graduate courses in their senior year and continue with upper level courses in the fifth year of study. Eligibility for this program requires a 3.0 overall index with a 3.5 index in English. For additional requirements for the master's degree, consult the St. John's University Graduate Bulletin.

Minor Sequences**English**

21 semester hours, including nine credits in ENG 1100C, 2200 and 2300, a seminar, and nine credits in electives.

Creative Writing Minor

21 semester hours, including six credits in ENG 1100C and 3720 (Introduction to Creative Writing); twelve credits of electives in additional creative writing courses; and two literature electives from the 3000 level.

Note: ENG 0010 and 1000C are not applicable to major or minor sequences.

English Course Offerings (ENG)**0010 Introduction to Critical Writing**

A cross-disciplinary course emphasizing the writing of personal essays as well as critical responses to assigned readings.
Credit: 3 semester hours.

1000C English Composition

In this writing intensive course, students read a variety of essays, analyzing them for content, structure and language. Analysis and synthesis, in both reading and writing about a variety of subjects, are required. Research techniques are studied and a research paper is required.
Credit: 3 semester hours.

1040 Writing for Business

An exploration of common business-related writing problems, as well as critical responses to business-oriented readings. *Credit: 3 semester hours.*

2060 Introduction to American Literature

An intensive study of a limited number of texts drawn from the various periods of American literature. *Credit: 3 semester hours.*

2100 Introduction to Literature and Culture

This course is devoted to the study of the relationship between literature and culture focusing on literary texts connected by common aesthetic, generic, or historical themes. *Credit: 3 semester hours.*

2210 Introduction to British Literature

An intensive study of a limited number of texts drawn from the various periods of British literature. *Credit: 3 semester hours.*

Required Courses for the English Major**1100C Literature in a Global Context**

This writing-intensive course examines literature from a global perspective. While familiarizing students with literary genres and texts, the course introduces students to writing and critical thinking about culture, cultural difference and social values. *Credit: 3 semester hours.*

2200 Introduction to English Studies

A foundation course introducing English majors and minors to the disciplinary practices of the English major. Required of all majors and minors in their sophomore or junior years. *Credit: 3 semester hours.*

2300 Introduction to Literary Criticism and Theory

An introduction to the history of critical theory, with emphasis on contemporary literary theory, and its practical application. *Required of all majors in their sophomore or junior years. Credit: 3 semester hours.*

Major Divisions of Literary Studies

Students are required to take at least one course from each of the following four major divisions of literary studies.

Division I: Medieval and Renaissance English Literature**3000 Medieval Romance**

An introduction to the genre of medieval romance, one of the most important narrative forms in later medieval literature. *Credit: 3 semester hours.*

3100 Medieval English Literature (formerly ENG N35/31)

Major literary works from *Beowulf* to the mid-15th century. *Credit: 3 semester hours.*

3110 Chaucer

A study of the poetry of Chaucer, with an emphasis on *The Canterbury Tales*. *Credit: 3 semester hours.*

3120 Renaissance Literature

Major non-dramatic writers of the late 15th and 16th centuries. *Credit: 3 semester hours.*

3130 Shakespeare: The Elizabethan Plays

A close study of approximately seven plays representative of the genres of history, comedy and tragedy and expressive of Shakespeare's early idealism. *Credit: 3 semester hours.*

3140 Shakespeare: The Jacobean Plays

A close study of approximately seven plays representative of the genres of tragedy, problem comedy and romance, and expressive of Shakespeare's mature vision. *Credit: 3 semester hours.*

3150 Elizabethan and Jacobean Plays

A study of representative playwrights other than Shakespeare. *Credit: 3 semester hours.*

3160 Seventeenth Century English Literature

A study of the schools of Jonson and Donne, and other important poetry of the 17th century. *Credit: 3 semester hours.*

3170 Milton

A study of Milton's complete poetry and selected prose. *Credit: 3 semester hours.*

3180 Medieval Epics and Sagas

An introduction to medieval epics and sagas—narratives about the historical past in either verse or prose that celebrate heroes and the grandeur of their deed. *Credit: 3 semester hours.*

3190 Special Topics in Medieval and Renaissance English Literature

A study in special themes and topics in literature and cultural studies, from the beginning of the Middle Ages through Milton and the Puritan revolution. The course material is intended to supplement the regular course offerings in Division I. *Credit: 3 semester hours.*

Division II: Eighteenth- and Nineteenth-Century English Literature**3200 Eighteenth-Century English Literature**

A study of major 18th-century writers, including Dryden, Pope, Swift and Johnson. *Credit: 3 semester hours.*

3210 The Drama: 1660–1870

English drama from the Restoration to the beginning of the modern period. *Credit: 3 semester hours.*

3220 Eighteenth-Century Novel

A study of the beginnings of the English novel through to the works of Jane Austen. *Credit: 3 semester hours.*

3230 Nineteenth-Century Novel

A study of the distinctive genres of Romantic and Victorian prose fiction, including the Gothic, detective fiction, stories of adventure and exploration, and the realistic novel. *Credit: 3 semester hours.*

3240 Romantic Literature

A study of the major figures of the first and second Romantic generations—Blake, Godwin, Wollstonecraft, Wordsworth, Coleridge, Austen, Byron, the Shelleys, Keats—with readings in poetry, prose fiction, journalism, correspondence and literary criticism. *Credit: 3 semester hours.*

3250 Victorian Literature

A study of the genres and functions of literature of Victorian Britain, with emphasis on the emergence of the professional writer as revolutionary, sage and social critic. *Credit: 3 semester hours.*

3260 Women Writers of the Nineteenth Century

A study of the political and cultural contexts of writing by women in the 19th century, including prose fiction and social criticism by figures such as Jane Austen, Mary Shelley, Margaret Fuller, the Brontës and George Eliot. *Credit: 3 semester hours.*

3290 Special Topics in Eighteenth- and Nineteenth-Century English Literature

A study of special themes and topics in literature and cultural studies, from the early modern period to the threshold of the 20th century (1660–1900). The course material is intended to supplement the regular course offerings in Division II. *Credit: 3 semester hours.*

Division III: American Literature Until 1900**3300 Colonial American Literature**

A study of the literary movements of the colonial period in America from the Puritans through the Federalist writers, including the oral traditions of Native Americans. *Credit: 3 semester hours.*

3310 Antebellum American Literature

A study of 19th-century literature, with an emphasis on the writers of the American Romantic tradition. *Credit: 3 semester hours.*

3320 Nineteenth-Century American Fiction

A study of the novelists and fiction writers of the 19th century in America, including Hawthorne, Melville, Poe and Stowe. *Credit: 3 semester hours.*

3330 African-American Literature to 1900

A study of African-American literature to 1900, using texts such as slave and travel narratives, fiction, drama and poetry, as well as texts drawn from other disciplines. *Credit: 3 semester hours.*

3340 American Realism and Naturalism

A study of the realist and naturalist traditions of American prose, including Howells, James, Crane, Twain, Dreiser and other writers of the late 19th and early 20th centuries. *Credit: 3 semester hours.*

3350 American Women Writers to 1900

A study of the writing by women in colonial and 19th-century America. *Credit: 3 semester hours.*

3360 Early National American Literature

A study of U.S. literature between the Revolution and the presidency of Andrew Jackson. Authors may include Susannah Rowson, Royall Tyler, Washington Irving, Catherine Sedgwick, James Fenimore Cooper and Lydia Maria Child. *Credit: 3 semester hours.*

3390 Special Topics in American Literature to 1900

A study of special themes and topics in literature and cultural studies, from the colonial period of American literature up to 1900. The course is intended to supplement the regular course offerings in Division III. *Credit: 3 semester hours.*

Division IV: Twentieth Century American and British Literature**3400 Modernist Literature**

A study of the emergence of modernism in the literature and culture of the early 20th century, with an emphasis on the conception of the "modern" as new and distinct from the past and its insistence on experimentation. *Credit: 3 semester hours.*

3410 Modern Fiction

A study of the development of the novel and prose fiction in early 20th-century British and American literature, including such figures as Conrad, Joyce, Woolf, Hemingway, Fitzgerald and Faulkner. *Credit: 3 semester hours.*

3420 Contemporary Fiction

A study of the development of the novel and prose fiction since World War II in America and Great Britain, with an emphasis on the emergence of postmodernism in fiction. *Credit: 3 semester hours.*

3430 Modern Poetry

A study of the great modernist poets of the early 20th century in America and Great Britain, including the works of Yeats, Eliot, Pound, Stevens, Williams and Auden. *Credit: 3 semester hours.*

3440 Contemporary Poetry

A study of the poetry of important British and American poets since World War II, with an emphasis on the emergence of postmodernism in poetry. *Credit: 3 semester hours.*

3450 Modern Drama

Readings and criticism of several important playwrights (Ibsen, Chekhov, Strindberg, Shaw, O'Neill and others). *Credit: 3 semester hours.*

3460 Contemporary Drama

Readings of important post-war playwrights like Albee, Ionesco, Beckett and Pinter. *Credit: 3 semester hours.*

3470 Twentieth-Century African-American Literature

Writers, movements and issues of 20th-century African-American literature, with an emphasis on the relation of literary to oral traditions. *Credit: 3 semester hours.*

3490 Special Topics in Twentieth-Century British and American Literature

A study of special themes and topics in literature and cultural studies, from the turn of the century to the present in both America and Great Britain. The course is intended to supplement the regular course offerings in Division IV. *Credit: 3 semester hours.*

Additional Courses**3500 Classical Literature**

A study of Western writers from Homer and the Greek tragedians through the Roman period, ending with St. Augustine. *Credit: 3 semester hours.*

3510 Medieval and Renaissance European Literature

A study of Western writers from Dante and the High Middle Ages through the Renaissance. *Credit: 3 semester hours.*

3520 Modern World Literature

A study of some major texts of European literature from the 17th century to the present. *Credit: 3 semester hours.*

3530 The Gothic

An introduction to the history and cultural significance of Gothic genres, forms, styles, and recurrent horrors from the Romantic origins of the Gothic through its modernist and postmodernist representations. *Credit: 3 semester hours.*

3540 Irish Literature

A study of Irish literature as a distinct and important body of work including a study of Irish folklore, important Anglo-Irish writers of the 18th and 19th centuries, the Irish Renaissance of the early 20th century, and the development of Irish literature after independence. *Credit: 3 semester hours.*

3550 Short Fiction

A study of the major developments of this genre through an analysis of representative texts of Chekhov, Joyce, Lawrence, Kafka, Borges and others. *Credit: 3 semester hours.*

3560 American Ethnic Literatures

A study of works by culturally diverse American writers like Toni Morrison, Maxine Hong Kingston, James Baldwin, Jamaica Kincaid, Derek Walcott, Sandra Cisneros, Louise Erdrich, Leslie Marmon Silko, Bharati Mukherjee and August Wilson. *Credit: 3 semester hours.*

3570 Women and Literature

This course explores writing by women. Texts may represent different historical periods, or ethnic allegiances, including poetry, fiction, drama and autobiography. *Credit: 3 semester hours.*

3580 Postcolonial Literature

A critical introduction to the study of postcolonial literature through selected readings from contemporary African, American, Australian, Caribbean, Indian and Latin American writers. *Credit: 3 semester hours.*

3590 Literature and the Other Arts

A study of selected English and/or American literary texts are evaluated in relation to important works of music, painting, sculpture, dance, theater and/or film. *Credit: 3 semester hours.*

3600 Classical Epic in Translation

An examination of Greek and Roman epics from its oral origins in Homer, through its Alexandrian incarnation in Apollonius of Rhodes, to its use as political instrument in Virgil. No knowledge of Greek or Latin required. *Credit: 3 semester hours.*

3610 Classical Drama in Translation

Readings and discussions of the representative plays of the classical Greek and Roman theatre. No knowledge of Greek or Latin required. *Credit: 3 semester hours.*

3620 Classical Mythology in Translation

A study through literary texts of mythology from Greek and Roman culture. No knowledge of Greek or Latin required. *Credit: 3 semester hours.*

3630 Utopian Fiction

This course introduces intermediate and advanced undergraduates to a wide range of utopian fiction. *Credit: 3 semester hours.*

3640 Vernacular Literature

Fiction, poetry, and drama written in various forms of non-standard English. *Credit: 3 semester hours.*

3690 Special Topics in Literary and Cultural Studies

A study of special themes and topics in cultural studies, transnational and trans-historical in focus and the ways in which the study of literature can become the basis for a study in "culture" in the broadest sense. *Credit: 3 semester hours.*

Creative Writing Courses**3700 The Teaching of Writing**

An introduction to composition theory and pedagogy, with special emphasis on one-to-one peer tutoring. Designed especially for education majors, minors and students interested in working in the Writing Center. *Lecture, 2 hours. Laboratory (in Writing Center), 4 hours. Credit: 4 semester hours.*

3710 Creative Writing: Nonfiction Prose

An introduction to writing various forms of nonfiction. *Credit: 3 semester hours.*

3720 Introduction to Creative Writing

A course designed to help develop creative writing skills, with emphasis on traditional and contemporary forms of poetry, fiction, drama. *Credit: 3 semester hours.*

3730 Creative Writing: Poetry

Intensive writing workshop on poetry and poetics. *Credit: 3 semester hours.*

3740 Creative Writing: Fiction

Intensive writing workshop on fiction and fiction theory. *Credit: 3 semester hours.*

3750 Advanced Writing Workshop

An advanced composition course focusing on the writing of personal narratives, analyses, essays, arguments and research articles. *Credit: 3 semester hours.*

3760 Writing as Social Action

Rhetorical analysis of social movements. Students develop portfolios that demonstrate awareness of landmark activism and insight on self-selected organizations working for social justice or change. *Credit: 3 semester hours.*

3770 Advanced Fiction Writing Workshop

Advanced workshop in fiction and fiction theory. *Credit: 3 semester hours.*

3780 Advanced Poetry Writing Workshop

Advanced workshop in poetry and poetics. *Credit: 3 semester hours.*

Seminars and Independent Study

4903 Internship in English and Related Fields

Restricted registration. Field work (8 hours per week) in selected organizations that utilize the English major's writing and research skills under coordinated faculty and professional supervision. *Credit: 3 semester hours.*

4906 Internship in English and Related Fields

Restricted registration. Field work (16 hours per week) in selected organizations that utilize the English major's writing and research skills under coordinated faculty and professional supervision. *Credit: 6 semester hours.*

4953 Independent Study

Restricted registration. Independent research in an area of the student's own selection under the general advisement of a faculty member. *Credit: 3 semester hours.*

4991 Seminar in British Literature

Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. *Students may take more than one seminar. Limited to juniors and seniors. Credit: 3 semester hours.*

4992 Seminar in American Literature

Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. *Students may take more than one seminar. Limited to juniors and seniors. Credit: 3 semester hours.*

4993 Seminar in Special Author(s)

Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. *Students may take more than one seminar. Limited to juniors and seniors. Credit: 3 semester hours.*

4994 Seminar in Theme(s) and/or Genre(s)

Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. *Students may take more than one seminar. Limited to juniors and seniors. Credit: 3 semester hours.*

Environmental Studies Program (ESP)

Major Sequences

B.A.

49 semester hours, including: GOV 1030, 2500; GEO 2001; ESP 1010, ESP 4990; BIO 1000; ANT 1120. In addition, students must complete 27 credits from the following elective courses: ANT 1010, 1020, 1030, 1040, 4820; GOV 2470, 2480, 2510, 3520, 1530, 4923/4926; GEO 1002; ESP 2110, 2150, 2160, 2170, 3320, 2410, 3490, 2510, 4900, 4953, 4954; PHY 1080, 1090, 1120; SOC 2210, 2610, 1220; ECO 1301, 1302; BIO 1070, 1000, 2000, 2310, 2280, 3300; CHE 1040, 1210, 1220; PHI 3720, 3800, 3810.

B.S.

50 semester hours, including: CHE 1210, 1220; BIO 1000, 1000L; 2000, 2001L; 3000, 3001L; GEO 2001; ESP 1010 and 4990. In addition, students must complete 19 credits

from the following elective courses: BIO 2280, 3300, 2310, 3370; CHE 2230, 2240, 3250, 3420, 3431; ESP 1010, 2110, 2150, 2160, 2170, 3320, 2410, 3490, 2510, 4900, 4953, 4954; PHY 1610, 1620, 1080, 1090, 1120; GOV 2500; ANT 1010, 1020, 1030, 1120, 4820; PHI 3720, 3800, 3810.

The B.S. degree in environmental studies requires a minimum of nine laboratory courses and the completion of MTH 1210, 1220 or 1730 and 1740.

Special Note for Double Majors

Students with multiple majors, one of which is Environmental Studies, may not satisfy the elective portion of the environmental studies major sequence with courses also required in or being applied to the other major(s).

Minor Sequences

Environmental Studies Minor 15 credits

ESP 1010, GEO 2001 and three additional courses from the list of approved environmental electives.

Environmental Education Minor 15 credits

ESP 1010, GEO 2001, ESP 2150 and two additional courses from the list of approved environmental electives.

Note: All 15 credits of the environmental studies minor courses must be from outside of the student's major courses. No overlap between major and minor courses are permitted.

Environmental Studies Program Course Offerings (ESP)

1010 Introduction to Ecological Principles

Principles governing the relationships between organisms and their environment. Spatial and temporal organization of ecosystems and distribution of biotic communities are emphasized. *Credit: 3 semester hours.*

1050 Natural History of Metropolitan New York (Mini-Course)

Field trips to different natural areas in and around New York City to illustrate various principles of natural history study. Travel expense shared by all students. *Not open to students with advanced biology training. Not applicable to major or minor sequences. Credit: 3 semester hours.*

1120 Human Ecology

A study of the interrelationships between humanity, social and cultural evolution and the Earth. The nature and impacts of population growth, industry and technological progress are emphasized. *Field trips may be included. Credit: 3 semester hours.*

2110 The Coastal Environment

A systematic and regional analysis of the environmental problems caused by use and misuse of the coastal zone: estuaries, wetlands, saltmarshes, beaches, and alteration and pollution of these environments. *Credit: 3 semester hours.*

2150 Concepts and Practices of Environmental Education

Prerequisite: ESP 1010. A survey of the goals and fundamental concepts of environmental education with activities and techniques for integrating environmental education into the curriculum. *Field trips required. Credit: 3 semester hours.*

2160 American Environmental Politics and Policies

An analysis of the evolution of United States environmental policy and the influence of politics on those policies with particular emphasis on the late 20th century. *Credit: 3 semester hours.*

2170 Global Environmental Politics and Policies

An analysis of international concern for and policies dealing with global environmental issues. International treaties and accords as well as political differences between nations and groups of nations are emphasized. *Credit: 3 semester hours.*

2410 Pollution Analysis and Control

Survey of principal pollutants affecting natural systems; standard and experimental procedures for controlling pollution sources. *Required field trips to waste-handling facilities. Credit: 3 semester hours.*

2510 Aquatic Ecology

Corequisite: ESP 2511 *Laboratory.* Introduction to major ecological principles of freshwater and marine habitats; interrelationships among organisms; role of physical and chemical parameters at the population community and ecosystem level. *Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3320 Resource Management

Corequisite: ESP 3321 *Laboratory.* An analysis of the goals, principles, methods and ecological measures currently employed by natural resource managers. *Lab and field work required. Field trips. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

3490 Environmental Geology

Prerequisite: One year of university-level science courses. *Corequisite:* ESP 3491 *Laboratory.* An analysis of the relationships between human beings and the geological habitat. Geological hazards, the human being as a geological agent and the planning and management of natural earth systems. *Field trips. Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, \$60.*

4900 Environmental Studies Internship

Prerequisite: Permission of the Director. An internship program with a variety of environmentally-concerned public and private agencies; designed to present the practical side of environmental management. *Open to ESP majors only. Credit: 3-12 semester hours.*

4953; 4954 Research in Environmental Studies

Restricted registration. Selected environmental studies majors undertake guided research in the application of environmental principles and techniques in participating areas (anthropology, biology, chemistry, geography, government and mathematics). *Open to Seniors with a 3.0 GPA and approval of the ESP Director and area Department Chair. Credit: 3 semester hours.*

4990 Environmental Analysis Senior Seminar

Prerequisite: Junior or senior standing. An interdisciplinary, capstone seminar exploring the methods and current practices of analysis and problem solving in selected environmental fields and professions. *Credit: 3 semester hours.*

Environmental Studies Faculty

William M. Nieter, *Director, Environmental Studies Program*; Assistant Dean, B.A., M.A., CUNY, Queens College; M.S. Ed., Columbia University

Note: ESP courses are taught by the affiliated faculty of the various science and social science departments within the College.

Government and Politics (GOV)

Major Sequences**Government and Politics**

36 semester hours including: GOV 1010 and 1030; one elective in each of the following areas:

International Relations: GOV 1610, 2640, 2810, 3620, 3630, 3670;

Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3680, 3710, 3720;

Political Theory: GOV 1250, 1260, 1270, and one Senior Seminar. In addition, majors must complete 18 elective hours in GOV courses. Students are permitted a maximum of six hours in fieldwork courses. Eligible seniors may choose six elective hours from 100-level graduate courses.

Public Administration and Public Service

36 semester hours including: GOV 1030, 1530, 3540, 4995; one elective in each of the following areas:

International Relations: GOV 1610, 2640, 3620, 3630, 3670;

Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3680, 3710, 3720;

Political Theory: GOV 1250, 1260 and 1270.

In addition, majors must complete 15 elective hours from GOV 2400, 2420, 2430, 2470, 2480, 2500, 2580, 2955, 3450, 3460, 3570, 3590. Students are permitted a maximum of six hours in public administration fieldwork courses. Eligible seniors may also choose six elective hours from 100-level graduate courses.

Special Note for Double Majors

Students may major in both government and politics and public administration and public service. A maximum of six semester hours may be used to satisfy requirements in both majors. Thus, a double major has to complete a minimum of 66 semester hours. A double major is required to complete two courses in International Relations, Comparative Government and Political Theory. A double major must also complete GOV 4995 and another seminar.

B.A./M.A.

Students accepted into the five-year B.A./M.A. program in government and politics complete a total of 57 semester hours in GOV courses. On the undergraduate level, requirements include GOV 1010, 1030; one course in each area: comparative government, international relations, and political theory; a seminar; and six elective credits (24 credits). Students must also complete two 100-level graduate courses during the junior year and two upper level graduate courses during the senior year, for a total of 12 graduate credits. Students complete the program with 21 credits of graduate GOV courses. Eligibility requires a 3.0 overall cumulative index and a 3.5 index in government and politics. For specific master's degree program requirements, consult the St. John's University Graduate Bulletin.

Other Combined Degree Programs

The Department of Government and Politics also offers a number of undergraduate-graduate combined degrees with the College of Professional Studies, including B.S./M.A. programs in communication arts, criminal justice, health care administration, journalism and paralegal studies. For specific master's degree program requirements, consult the St. John's University Graduate Bulletin.

Minor Sequences**Government and Politics**

A. For all students except public administration and public service majors: any 18 semester hours in GOV.

B. For public administration and public service majors: any 18 semester hours in GOV not utilized for the major.

C. For The Peter J. Tobin College of Business students: 18 semester hours including:

1. GOV 1030, ECO 1326 or MGT 3301;

2. One course in American government from: GOV 2400, 2470, 2480, 2500, 2510, 2950, 2955, 3450, 3460, 3590;

3. One course in international relations from: GOV 1610, 2640, 2810, 3620, 3630, 3670;

4. One course in comparative government from: GOV 2650, 2660, 2690, 2730, 2750, 3680, 3710, 3720;

5. One course in political theory from: GOV 1250, 1260, 1270;

6. To complete this minor, students apply their GOV courses to six credits in social science electives, three liberal arts credits and six general elective credits.

Note: Students, other than public administration and public service majors, who are interested in pursuing an M.A. in government and politics at St. John's University should take GOV 1010 and GOV 1030; one course in each of the following areas: international relations, comparative politics, and political theory; and one elective GOV course.

Law and Government

A. For all students except Government and Politics majors: 21 semester hours including Gov. 1010, Gov. 1030 and any five of the following: GOV 2400, 2490, 2500, 2580, 2600, 3450, 3460, 3570, 3620, HIS 3725, PHI 3420, PHI 3650, SPE 3180, SPE 2020, SOC 2360

B. For government and politics majors: See Department Chairperson for Advisement

Public Administration and Public Service

A. For all students except government and politics majors: 15 semester hours including GOV 1030 and 1530, and three of the following: GOV 2400, 2470, 2480, 2500, 2955, 3450, 3460, 3540, 4913.

B. For government and politics majors: 15 semester hours including GOV 1530 and 3540, and three of the following: GOV 2400, 2470, 2480, 2500, 2955, 3450, 3460, 4923.

Note: None of the GOV courses may be used for both the major and minor sequences.

Government and Politics Course Offerings (GOV)

1010 Contemporary Government and Politics

Introduction to the nature and scope of politics. Approaches to the analysis of political behavior and thinking. Major issues and conflicts in the contemporary world. *Credit: 3 semester hours.*

1030 American National Government

The nature of United States federalism; the structure and work of the national government; the executive branch; the Congress and executive-legislative relationship; the federal judiciary with reference to appropriate constitutional cases and the departments and administrative establishment. *Credit: 3 semester hours.*

1250 Western Political Thought I: Classical and Medieval

A survey of great thinkers and movements from the classical period to St. Thomas. *Credit: 3 semester hours.*

1260 Western Political Thought II: Early Modern

A survey of great thinkers and movements from the late medieval period to the Enlightenment and the French Revolution. *Credit: 3 semester hours.*

1270 Western Political Thought III: Recent and Contemporary

Major topics include Hegel, Marxism-Leninism, Fascism, Socialism, democracy, nationalism and Elitism. *Credit: 3 semester hours.*

1280 Feminism and Politics

Designed for students with experience and interest in political theory. This course surveys recent feminist contributions to political theory, emphasizing both the range of feminist views and the basis for commonality. *Credit: 3 semester hours.*

1530 Introduction to Public Administration

Prerequisite: GOV 1030. The process of government organization, administration, and management; current problems and trends; administrative-political relationships. *Credit: 3 semester hours.*

1610 International Relations

The legal and political principles underlying the modern state system; foreign policies of the major powers; fundamental factors and problems in international politics; development of international organizations and cooperation. *Credit: 3 semester hours.*

1700 Comparative Political Systems

The methodology of comparative analysis, of belief systems and the concept of political culture, party and pressure-group systems in Western European, Communist and developing countries; patterns of political change. *Credit: 3 semester hours.*

2160 American Environmental Politics and Policies

An analysis of the evolution of the United States environmental policy and the influence of politics on those policies with particular emphasis on the late 20th century. *Credit: 3 semester hours.*

2170 Global Environmental Politics and Policies

Analysis of politics and policies with regard to global environmental issues within a larger discussion of development – sustainable and unsustainable. *Credit: 3 semester hours.*

2240 The Federalist Papers

Prerequisite: GOV 1030. This course examines the series of pamphlets, commonly known as the Federalist Papers, written by Alexander Hamilton, James Madison and John Jay. *Credit: 3 semester hours.*

2300 Roots of Modern Ideologies

Prerequisite for non-majors: Permission of the instructor. An examination of the inter-relationship of certain social, theological and philosophic concepts and their effect on past and present political orders. *Credit: 3 semester hours.*

2400 Introduction of the Study of Law

A critical survey and analysis of materials dealing with legal methodology relevant to the study of law. Readings and discussion of leading legal essays and opinions. *Credit: 3 semester hours.*

2420 Congress: Politics and Policy

Examines the organization of the House and Senate; the evolution of the relationship of Congress with the executive; party politics in the legislative process; contemporary legislative problems. *Credit: 3 semester hours.*

2430 The American Presidency

Explores the evolution of the American Presidency; the roles played by the chief executive; the various concepts of the office; the president's position in the Congress; the president's relationship with Congress. *Credit: 3 semester hours.*

2470 State and Local Government and Administration

Prerequisite: GOV 1030. Socioeconomic and intergovernmental influences on state politics; party and interest-group politics; legislatures, governors, and state agencies; budgeting and economic development issues. *Credit: 3 semester hours.*

2480 Municipal Government and Administration

Prerequisite: GOV 1030. Socioeconomic influences on urban politics; machine, reform and post-reform political organization; systems of urban governance; budgeting and land-use issues. *Credit: 3 semester hours.*

2490 Law Politics and the Individual

Evolution of the laws as a result of the historical, social, political, and economic processes; special emphasis on contemporary American law affecting everyday life. *Credit: 3 semester hours.*

2500 Environmental and Public Law

Prerequisite: GOV 1030. The political issues surrounding environmental regulation, with an emphasis on bureaucratic and judicial administration of federal legislation governing air, water and land-use. *Credit: 3 semester hours.*

2510 American Political Parties and Interest Groups

The nature and operation of the political process in the United States; organization and function of the political parties; nominations and elections; voting behavior, the nature of the two-party system; effects of social, economic and cultural forces upon party government; the dynamics of political power. *Credit: 3 semester hours.*

2520 Politics of Environment and Development

Credit: 3 semester hours.

2580 Judicial Process and Behavior

Evaluation of the operation of the American legal system at the national and state levels. *Credit: 3 semester hours.*

2600 Roman Law and Society

A study of the society and institutions of ancient Rome as revealed in Roman law. *No knowledge of classical languages is required. Credit: 3 semester hours.*

2640 Foreign Policy of the United States

The origin, development and application of the major principles controlling American foreign relations. *Credit: 3 semester hours.*

2650 Government and Politics of Western Europe

Comparison of the political institutions of Great Britain, France, Germany, Italy and Spain; the role of the European Union in domestic politics of Western Europe and in the contemporary political problems. *Credit: 3 semester hours.*

2660 Government and Politics of Eastern Europe

Comparison of emerging democratic institutions in Central/Eastern Europe; transitions from socialist to market economies and the role of the European Union in the transformation of CEE countries. *Credit: 3 semester hours.*

2690 Government and Politics of Latin America

The origin, structures and functions of Latin American governments. *Credit: 3 semester hours.*

2730 Russia and the CIS Republics

Russian transformation to post-communist political and economic system; democratic and non-democratic systems of the post-Soviet Republics in Central Asia, Ukraine, Belarus and the Baltic States. *Credit: 3 semester hours.*

2750 Politics of the Caribbean Area

A study of the political development of the Caribbean area, emphasizing the nations of Cuba, Haiti, the Dominican Republic and Jamaica. Special attention is also given to the patterns of colonial control, the unique position of Puerto Rico and attempted alliance and confederation. *Credit: 3 semester hours.*

2760 The Politics of Puerto Rico

An analysis of the government and politics of the Commonwealth of Puerto Rico; political traditions, the issue of political status and Puerto Rico's relationship with the United States and current political conditions and problems. *Credit: 3 semester hours.*

2810 The Politics of War

The causes of war, with emphasis on the twentieth century; legal and cultural aspects of war; prediction and control of war. *Credit: 3 semester hours.*

2950 Workshop on Political Campaigning (Mini-Course)

The application of principles of campaigning during a simulated election campaign; roles of citizen and party candidate selection, campaign organization, funding, election day and post-elective activities. *Credit: 3 semester hours.*

2955 Management Tools in Public Administration Decision Making and Leadership (Mini-Course)

Students use case studies, engage in interpersonal communication skill building and participate in small decision-making groups. *Credit: 3 semester hours.*

3200 The Political Image Through Literature

An examination of the political values and ideas of principal writers of the Western tradition. Selected works of political drama from the classical, Renaissance and modern periods are analyzed and discussed with a view to the problems of political theory and political action presented. *Credit: 3 semester hours.*

3290 The Politics of Revolution

Empirical theories of revolution through the reading and analysis of major theoretic attempts to delineate the causes, development, and effects of revolution, with examples of revolutions in world history from the classical period to the present. *Credit: 3 semester hours.*

3320 Current Terrorist Movements

An analysis and evaluation of the ideologies, strategies and tactics of the leading revolutionary movements in the world today. An analysis and evaluation of the counter-revolutionary measures commonly used by governments. *Credit: 3 semester hours.*

3330 American Political Thought in the 19th and 20th Centuries

The nature and purpose of the state as expressed by selected writers from colonial times to the Populist Era. *Credit: 3 semester hours.*

3450; 3460 Constitutional Law

Prerequisite: GOV 1030. A study of the United States Constitution, by the case method, through examination of leading decisions of the U.S. Supreme Court. *Credit: 3 semester hours.*

3520 Public Opinion and political systems

The process of opinion formation; role of public opinion in politics; propaganda and public relations; measurement of public opinion; role of pressure groups; public opinion and current political issues. *Credit: 3 semester hours.*

3540 Research Methods in Political Science and Public Administration

Prerequisite: GOV 1530. An examination of problem definition, developing concepts and variables, hypothesis testing and the use of quantitative techniques in public administration and political science. Emphasis is placed on critical evaluation of academic research and professional reports. *Credit: 3 semester hours.*

3570 Comparative Law

A critical inquiry into the origins, sources and formation of the three major legal traditions: common law, civil law and socialist law. Analysis of selected substantive topics in a comparative setting. *Credit: 3 semester hours.*

3590 The American Government and Business Relationship

The relationship of government and business emphasizing industries with seller concentration and their market conduct. Consideration of selected activities and industries: agriculture, inventions and patents, banking and finance, public utilities, and the shaping of public policy. *Credit: 3 semester hours.*

3620 International Law

The nature and scope of international law; the organization of the community of nations; selected substantive roles of international law. *Credit: 3 semester hours.*

3630 Foreign Policy of the Major Powers

Fundamental factors influencing the international political behavior of the major powers in world affairs. *Credit: 3 semester hours.*

3670 International Political Economy

Theoretical and empirical relationships between politics and economics at the international level. Regional economic cooperation, trade issues, international monetary policies and North-South difference. *Credit: 3 semester hours.*

3680 Politics of Africa

The dynamics of the societies in transition in the developing nations of Africa; analysis of their evolution from colonial dependency and traditional tribal units into modern nation-state systems. *Credit: 3 semester hours.*

3710 Governments and Politics of the Far East

The political and institutional developments in the states of the Far East, with major emphasis on China, Japan and Korea; their political backgrounds and present foreign relations. *Credit: 3 semester hours.*

3720 Governments and Politics of South and Southeast Asia

The political and institutional developments of South Asia, emphasizing India, Pakistan, Bangladesh, Sri Lanka and those of Southeast Asia, emphasizing Vietnam, Indonesia and the Philippines. *Credit: 3 semester hours.*

3800 American Econopolitics

The role of economics in domestic and foreign politics, with special attention to recent developments; political consequences of economic growth; public and government policy in prosperity and recession. *Credit: 3 semester hours.*

3820 Politics of the Middle East

Historical development of the Middle East in politics, economics and political thought. Political institutions in the Maghrib; Zionism; the Palestinian question; the politics of oil. *Credit: 3 semester hours.*

3850 Politics of Developing Countries

The politics of developing countries with a focus on the political economy of development to issues of globalization, national integration, social conflict, the role of the state, civil society and democratization. *Credit: 3 semester hours.*

4903; 4906 Legislative Politics Internship Program

Prerequisite: Permission of the coordinator. An internship program in the office of a city, state or national legislator or legislative committee. Periodic consultation with the internship coordinator is required. *Credit: 3 or 6 hours per semester.*

4913; 4916 Field Work in American Politics

Prerequisite: Permission of the coordinator. An internship program in the field of American politics ranging from campaign work to legal process. Periodic consultation with the internship coordinator is required. *Credit: 3 or 6 hours per semester.*

4923; 4926 Field Work in Public Administration

Prerequisite: Permission of the coordinator. An internship program in a federal, state, or local government office or with a not-for-profit group. Periodic consultation with the internship coordinator is required. *Credit: 3 or 6 hours per semester.*

4933; 4936 Public Administration Internship

Prerequisite: Permission of the coordinator. An internship program with officials from international organizations. Periodic consultation with the internship coordinator is required. *Credit: 3 or 6 hours per semester.*

4946 New York State Legislative Internship Program Academic Component

Corequisite: GOV 4949, permission of University liaison and acceptance to New York State Senate or Assembly Internship Program. Comprehensive orientation, classroom lectures, classroom discussion sections, tests, written assignments, a research paper, issue forums and a mock legislative session. *Credit: 6 semester hours.*

4949 New York State Legislative Internship Program Experiential Component

Corequisite: GOV 4946, permission of University liaison, and acceptance to New York State Senate or Assembly Internship Program. Students serve in Albany, New York, under supervision of the Senate or Assembly Internship Director. *Credit: 9 semester hours.*

4990 Reading and Research

Prerequisite: nine semester hours in GOV. Open to juniors and seniors only. Departmental approval required. Guided research and reading on an individual basis. By approval of the chair. *Credit: 3 semester hours.*

Senior Seminars

Limited to Government majors in their senior year. Juniors with permission of the Chair. Readings, reports and discussions on topics of student interest, under supervision of the faculty member. Enrollment is in one of six sections below, but majors may take more than one seminar. *Credit: 3 semester hours.*

4991 Seminar in American Government

Prerequisite: At least six credits from among: GOV 1030, 1530, 2400, 2420, 2430, 2470, 2480, 2490, 2500, 2510, 2640, 2950, 3450, 3460, 4933, 4936, 2580, 3590, 2760, 3800. *Credit: 3 semester hours.*

4992 Seminar in International Relations

Prerequisite: GOV 1610 and at least three credits from among: 1610, 2640, 2650, 2660, 2690, 2750, 2810, 3620, 3630, 3710, 3720, 3820. *Credit: 3 semester hours.*

4993 Seminar in Comparative Government

Prerequisite: At least six credits from among: 1700, 2650, 2660, 2690, 2750, 3680, 3710, 3720. *Credit: 3 semester hours.*

4994 Seminar in Political Theory

Prerequisite: At least six credits from among: 1207, 1250, 1260, 2300, 3330. *Credit: 3 semester hours.*

4995 Seminar in Public Administration

Prerequisite: At least six credits from among: 1030, 1530, 2160, 2170, 2440, 2470, 2480, 2500, 2510, 2580, 2590, 2955, 3540.
Credit: 3 semester hours.

4996 Seminar in Contemporary Issues in Constitutional Law

Prerequisite: At least six credits from among: 2400, 2450, 2460, 2490, 2500, 2580.
Credit: 3 semester hours.

Note: Consult with the department chair to determine the availability of the courses listed above.

History (HIS)/Geography (GEO)

Major Sequence—History

36 semester hours including: HIS 1010 and 1000C, six credits in U.S. history, six credits in European history, six credits in non-Western history, a three-credit seminar or colloquium in junior or senior year, and nine elective hours in courses offered by the Department.

B.A./M.A.

Students admitted to the accelerated B.A./M.A. Program in History take as their major sequence in History for their baccalaureate 36-39 semester hours including HIS 1010 and 1000C, six credits in U.S. history, six credits in European history, one seminar or colloquium, one undergraduate elective in history, plus a minimum of four, up to a maximum of five graduate-level history courses (one of which must be HIS 401 taken during the senior year). Eligibility requires a 3.0 overall cumulative index and a 3.5 index in history. For additional requirements for the master's degree, students should consult the St. John's University Graduate Bulletin.

Minor Sequence—History

18 semester hours in history including HIS 1010, 1000C and one colloquium or seminar, but excluding HIS 1301 and 1302.

Major Sequence—Social Studies

36 credits, including HIS 1010 and 1000C, six credits in U.S. history, six credits in European history, six credits in non-Western history and one course each from economics, geography, government and sociology. (Available on Staten Island campus only.)

History Course Offerings (HIS)

1000-Level: Surveys

1000C Emergence of a Global Society

A survey of the historical foundations of contemporary societies: global dissemination of scientific, technological and industrial revolutions; the spread of world religions, democracy and internationalism; accommodation and resistance to Western hegemony; globalization as a historical force.
Credit: 3 semester hours.

1010 World History I

A topical approach to forces and events that shaped the modern world, including ancient empires, Western civilization and Christianity, the impact of Islam, African and pre-Columbian civilizations, and the new learning of the Renaissance and Age of Exploration.
Credit: 3 semester hours.

1300 Great Issues in American History

Significant political and social problems and controversies in the United States from the achievement of independence to the 1960s. *Students may not take HIS 1301 or 1302 in conjunction with or after completion of HIS 1300. Credit:* 3 semester hours.

1301 U.S. from Colonial Times to the Civil War

A survey of the main political, economic, social and religious developments from the Peace of Paris to the Civil War. *Students may not take HIS 1300 in conjunction with or after completion of HIS 1301. Credit:* 3 semester hours.

1302 U.S. from Civil War to the Present

A survey of the main political, economic, social and religious developments from the Civil War to the present. *Students may not take HIS 1300 in conjunction with or after completion of HIS 1302. Credit:* 3 semester hours.

2000-Level: Major courses, Surveys and Chronological Courses

Ancient History

2001 Early Ancient Civilizations

Human society at the dawn of civilization; formation and development of ancient Mesopotamian, Egyptian, Hebraic and other pre-Hellenic civilizations.
Credit: 3 semester hours.

2002 Ancient Greek and Roman Civilizations

A course on the growth and development of ancient Greece, the Hellenic culture, and the Roman Republic and Empire. *Credit:* 3 semester hours.

Non-Western Surveys

2300 History of Africa

History of the continent from earliest times to the present; pre-history, Mediterranean, Arabic, European and contemporary re-Africanization; the problem of developing history from both oral and written sources. *Students may not take HIS 2301 or 2302 in conjunction with or after completion of HIS 2300. Credit:* 3 semester hours.

2301 Africa in the Colonial Period

The impact of Islamic and European cultures in the colonial period. The Industrial Revolution, and the expansion of Europe into Africa. Detailed analyses of Belgian, British, French, German and Italian imperialism. *Students may not take HIS 2300 in conjunction with or after completion of HIS 2301. Credit:* 3 semester hours.

2302 Contemporary Africa

The African reaction to slavery, colonialism, the birth of nationalism, and the dismemberment of the colonial empires. Problems of nation-building and development in the newly independent states of Africa. *Students may not take HIS 2300 in conjunction with or after completion of HIS 2302. Credit:* 3 semester hours.

2310 History of Asia

The historical and cultural background of Eastern civilization to the mid-19th century; subsequent developments of power rivalries, westernization and nationalization; problems of the contemporary Far East. *Students may not take HIS 2311 or 2312 in conjunction with or after completion of HIS 2310. Credit:* 3 semester hours.

2311 History of East Asia

The political, intellectual, cultural, social and economic developments of China and Japan from ancient times to 1900. *Students may not take HIS 2310 in conjunction with or after completion of HIS 2311. Credit:* 3 semester hours.

2312 History of Modern East Asia

The forces and events that have shaped 20th century China, Japan and Korea, such as efforts at modernization, the emergence of nationalism, imperialism, Communism and the problems of the contemporary period. *Students may not take HIS 2310 in conjunction with or after completion of HIS 2312. Credit:* 3 semester hours.

2320 The Middle East

Environmental, economic, social and cultural forces that shaped the modern Middle East with emphasis on impact of Ottoman and Western imperialism, Arab-Israeli conflict and the Islamic Revolution. *Credit:* 3 semester hours.

2321 History of Islamic Society

Survey of how the rise of Islam in Arabia affected Arab and Iranian lands from the seventh to thirteenth century A.D.
Credit: 3 semester hours.

2330 History of Latin America

A survey of the political, intellectual, cultural, social and economic developments that have shaped the history of Latin America from the development of Native American civilizations and the European conquests to contemporary independent states. *Students may not take HIS 2331 or 2332 in conjunction with or after completion of HIS 2330. Credit:* 3 semester hours.

2331 History of Latin America I

Pre-Columbian background; European discovery and colonization, plantation life, the role of the Church, and the independence movements. *Students may not take HIS 2330 in conjunction with or after completion of HIS 2331. Credit: 3 semester hours.*

2332 History of Latin America II

Independence from Spain; economic, cultural, religious and political struggles; the caudillos; the relationship with U.S.; Castro era. *Students may not take HIS 2330 in conjunction with or after completion of HIS 2332. Credit: 3 semester hours.*

European Surveys**2500 Europe in Medieval Times**

The decline of Rome; the rise of the Christian church; the Carolingian era; the evolution of feudalism; the Crusades, the growth of commerce and town life; the rise of feudal monarchies. *Students may not take HIS 2501 or 2502 in conjunction with or upon completion of HIS 2500. Credit: 3 semester hours.*

2501 Early Medieval History

The emergence of medieval European civilization out of Judeo-Christian, Greco-Roman and Germanic institutions and ideas from the decline of the Roman Empire to the 11th century. *Students may not take HIS 2500 in conjunction with or after completion of HIS 2501. Credit: 3 semester hours.*

2502 Late Medieval Europe

The economic, political, intellectual and religious developments in Europe from the 12th to the 15th centuries. *Students may not take HIS 2500 in conjunction with or after completion of HIS 2502. Credit: 3 semester hours.*

2510 Europe: Renaissance to Reformation

The revival of the classical spirit and the growth of vernacular literatures; the evolution of modern statecraft and diplomacy; the revolt of Martin Luther; Calvinism, the Anglican Reformation, the Counter-Reformation; the Spanish hegemony and the Thirty Years' War. *Students may not take HIS 2510 in conjunction with or after completion of HIS 2511 or 2512. Credit: 3 semester hours.*

2511 Renaissance and Reconnaissance

The transition from medieval to modern Europe; the new spirit of humanism; the expansion of Europe; the new monarchies and dynastic diplomacy; the dissolution of Christendom. *Students may not take HIS 2511 in conjunction with or after completion of HIS 2510. Credit: 3 semester hours.*

2512 Reformation and Counter-Reformation

A course which focuses on the Protestant revolt, the Catholic response; the hegemony of Spain, the expansion of England and the revival of France, and the Thirty Years' War. *Students may not take HIS 2512 in conjunction with or after completion of HIS 2510. Credit: 3 semester hours.*

2520 The Age of Absolutism

Louis XIV and Divine Right monarchy; the rise of Prussia and Russia; colonial rivalries; the exaltation of science and reason; the nature of the Old Regime; enlightened despotism. *Credit: 3 semester hours.*

2530 Europe in the Nineteenth Century

The Napoleonic Era: the Vienna settlement and the Concert of Europe; the Industrial Revolution; Nationalism; liberalism, conservatism and Socialism as forces in European life; the Revolution of 1848; the unification of Italy and Germany; the New Imperialism. *Students may not take HIS 2530 in conjunction with or after completion of HIS 2531, 2532, or 2533. Credit: 3 semester hours.*

2531 The Age of Revolution

The collapse of the Old Regime; France, from Revolution to Empire; the European Revolution; Napoleon and the reconstruction of Europe. *Students may not take HIS 2531 in conjunction with or after completion of HIS 2530. Credit: 3 semester hours.*

2532 Europe in an Age of Nationalism, 1815–70

The Restoration era and the Concert of Europe; liberalism and conservatism in conflict; the emergence of nationalism, the revolutions of 1848; the Crimean War; the triumph of nationalism in Italy and Germany. *Students may not take HIS 2532 in conjunction with or after completion of HIS 2530. Credit: 3 semester hours.*

2533 Europe at its Zenith, 1870–1914

Institutions, ideologies and developments in the German Empire, the Third French Republic, the Italian Kingdom, and the Habsburg Monarchy; development of the new imperialism and imperial rivalries; the coming of WWI. *Students may not take HIS 2533 in conjunction with or after completion of HIS 2530. Credit: 3 semester hours.*

2540 Europe and the Twentieth Century World

International relations, 1900 to 1914; WWI; the Russian Revolutions; Post-WWI Europe; the rise of Fascist dictatorship; WWII; the Cold War and international power blocs. *Students may not take HIS 2540 in conjunction with or after completion of HIS 2541 or 2542. Credit: 3 semester hours.*

2541 Europe: World War I, Hitler and Stalin

WWI and the disintegration of the German, Habsburg, Russian and Ottoman empires; the Russian Revolution; the Paris peace process and the European state system; Italian Fascism; the Great Depression, Nazi Germany, Stalinist Russia, and economic and political instability in the 1930s. *Students may not take HIS 2541 in conjunction with or after completion of HIS 2540. Credit: 3 semester hours.*

2542 Europe from World War II to the Present

WWII; defeat of the Axis and the destruction of European primacy; Cold War and the division of Europe; economic reconstruction; the fall of Communism; growth of the European Community; and issues in contemporary Europe. *Students may not take HIS 2542 in conjunction with or after completion of HIS 2540. Credit: 3 semester hours.*

American Surveys**2700 U.S.: Colonial America**

The European background; the transplanting of European institutions to the New World; internal development of the colonies; imperial rivalries; evolution of the colonial political system; the coming of the Revolution. *Credit: 3 semester hours.*

2710 U.S.: The Early National Period

Major developments of the political, economic and social history of the United States from the Revolutionary War to the War with Mexico. *Students may not take HIS 2710 in conjunction with or after completion of HIS 2711 or 2712. Credit: 3 semester hours.*

2711 U.S.: The Revolutionary Age

The progress and outcome of the War for Independence; the Confederation Period; the making of the Constitution; the Federalist Era. *Students may not take HIS 2711 in conjunction with or after completion of HIS 2710. Credit: 3 semester hours.*

2712 U.S.: Jeffersonian and Jacksonian Periods

The United States in the early to mid-nineteenth century; demographic and economic transformation from a rural agrarian to an urban industrial nation; immigration, economic modernization and territorial expansion; slavery and other tensions between North and South. *Students may not take HIS 2712 in conjunction with or after completion of HIS 2710. Credit: 3 semester hours.*

2720 U.S.: Civil War and Reconstruction

Political, economic, social and military problems facing the U.S. during the Civil War and Reconstruction. *Credit: 3 semester hours.*

2730 U.S.: The Gilded Age

Technological, industrial and organizational changes in the last quarter of the nineteenth century; economic, social, and political impact of these changes; achievements and abuses of capitalism; growth of organized labor and emergence of Populism. *Credit: 3 semester hours.*

2740 U.S.: The Age of Reform

The Age of Reform and empire; problems of neutrality and Wilsonian leadership; WWI; economic expansion and collapse; the Roosevelt era. *Credit: 3 semester hours.*

2750 U.S.: World War II and Post-War America

The U.S. and WWII; the Truman reforms; origins of the Cold War; the Eisenhower years; the 60s; Vietnam and domestic turmoil; Watergate and after. *Credit: 3 semester hours.*

3000-Level: Topics Courses and Country Courses

Global and Comparative History Topics

3100 America Meets China

A historical look at the encounter between the U.S. and China from 1785 to the present, as prologue to uniquely American forms of globalism and multiculturalism today. *Credit: 3 semester hours.*

3110 The Papacy Confronts the Modern World

The papacy from the age of revolutions to the present, examining its reaction within the broader framework of religious, political, social and economic developments from Pius VI to John Paul II. *Credit: 3 semester hours.*

3120 The History of Racism in the West Since 1500

The history of racism in Europe and the Americas including racist theories, slavery and its legacy, anti-Semitism, the Holocaust and debates on race and ethnicity. *Credit: 3 semester hours.*

3130 Personalities in History

Prerequisite: HIS 1001, 1002, or 1300, or permission of instructor. Readings and discussion of select biographical studies of significant personalities in history. *Credit: 3 semester hours.*

3140 History of Sexuality

The history of sexuality as it relates to comparative world history. Students analyze how sexuality problematizes the interpretation of historical events, personalities and themes, including colonization, nationhood, war, medicine and social movements. *Credit: 3 semester hours.*

3150 History of Inter-American Relations

Readings and research on United States-Latin American relationships from the 19th century to the present with emphasis on issues such as regional economic integration, revolutionary movements, obstacles to democracy, immigration and the drug trade. *Credit: 3 semester hours.*

3160 History of Human Rights

A survey of the concept of human rights in the modern world, including political, economic, social, religious and cultural rights. *Credit: 3 semester hours.*

3170 History Through Film

History through the medium of film: how culture and history have been treated through the cinematic medium. *Credit: 3 semester hours.*

3180 America and the Muslim World

A narrative of Muslims in American history: reflections upon Islam; interactions with Muslims, and consumption of Middle Eastern goods. *Credit: 3 semester hours.*

Non-Western History: Topics and Countries

3300 Women in Latin American History

An analytical study of the social, cultural, political and economic importance of women in the historical development of Latin America during the 19th and 20th centuries. *Credit: 3 semester hours.*

3301 History of Mexico

This course examines the history of Mexico from its earliest civilizations to the present day through lectures and readings and the use of photographs, material evidence, biography, literature and film. *Credit: 3 semester hours.*

3310 History of Japan

A survey of the political, intellectual, cultural, social and economic developments that have shaped the history of Japan from its earliest historical beginnings to its role in twentieth century world affairs. *Credit: 3 semester hours.*

3340 Asian Pacific Diasporas in Modern History

A historical survey of the experiences, identities and cultural transitions of diasporas of peoples of East, South and Southeast Asian and Pacific ancestry. *Credit: 3 semester hours.*

3350 The History of Ancient and Medieval China

Chinese history from ancient times to the 19th century, covering the great traditions (Confucian, Taoist, Buddhist and Literati-Bureaucratic) and the lore and legends of the folk (from the meditative to the apocalyptic). *Credit: 3 semester hours.*

3360 The History of Modern China

Tragedies and triumphs of China in the modern world: the fall of the Manchu Empire, warlordism, WWII, civil war, the Communist Revolution, Maoism, the recent economic miracle and strategic choices for the future. *Credit: 3 semester hours.*

3365 History of China and Korea Through Literature and Film

The modern social, intellectual and cultural history of China and Korea, as reflected in their literary texts and visual media from 1900 to the present. *Credit: 3 semester hours.*

3370 Modern Wars in Asia

Modern wars in Asia: World War II, the Cold War, Korea, Vietnam and subsequent conflicts. Emphasis is on causes, aftermaths and "history and memory." *Credit: 3 semester hours.*

3375 Asian-American History

The history of Asians in the United States, including historical relations between Asians and other minorities, U.S. foreign policy in Asia and contemporary issues faced by Asian communities in an increasingly globalized and multi-racial American society. *Credit: 3 semester hours.*

3400 African Civilizations and the African Diaspora

Explores major African civilizations before the 19th century, including ancient Egypt, the Mali Empire and Great Zimbabwe. Includes the African Diaspora to the new world. *Credit: 3 semester hours.*

3410 African Nationalism

Africa's involvement in the Atlantic world from the 15th through the 19th centuries, focusing on the slave trade and transformations of African economies and societies. *Credit: 3 semester hours.*

European History: Topics and Countries

3501 Diplomatic History of Europe I

Reconstruction of Europe; Congress of Vienna; Metternich; German and Italian unifications; diplomacy of World War I and Versailles. *Credit: 3 semester hours.*

3502 Diplomatic History of Europe II

Peacemaking in 1919 and its consequences; League of Nations; diplomacy of World War II and peace; superpowers and the Cold War. *Credit: 3 semester hours.*

3511 History of England I

A survey of English history from the Roman invasion to the early Stuarts, with emphasis on constitutional developments, and on changing political, economic, social and religious conditions. *Credit: 3 semester hours.*

3512 History of England II

A survey of English history from the late Stuarts to the 20th century. Emphasis is placed on the development of party politics, the Industrial Revolution, imperial expansion, foreign policy and the twentieth-century welfare state. *Credit: 3 semester hours.*

3521 The Rise of Modern Germany

Germany and the French Revolution, Austria and the Metternichian System, the unification struggle; the Second Reich. *Credit: 3 semester hours.*

3522 Germany in the Twentieth Century

The First World War and its consequences; the Weimar Republic, the Third Reich; defeat and recovery. *Credit: 3 semester hours.*

3530 History of Ireland

A survey of Irish history from its Celtic origins to the twentieth century, with emphasis on the religious, cultural, political, social and economic forces which have been most influential in shaping modern Ireland. *Credit: 3 semester hours.*

3540 Modern Italian History

Intellectual, religious, economic and political developments in the Italian peninsula from the Risorgimento to the post-World War II era. *Students may not take HIS 3541 in conjunction with or after completion of HIS 3541 or 3542. Credit: 3 semester hours.*

3541 The Risorgimento: United Italy in the Nineteenth Century

Italian Nationalism, Carbonarism; Mazzini and Young Italy, Cavour and the Unitary State, the Risorgimento and the Counter-Risorgimento. *Students may not take HIS 3541 in conjunction with or after completion of HIS 3540. Credit: 3 semester hours.*

3542 Modern Italy: The Transition from Liberalism to Fascism

The domestic and diplomatic policies of the Kingdom of Italy, the North-South conflict and emergence of an industrial base, the first World War and the crisis of Italian liberalism, Fascism, the Axis, the collapse of Mussolini's

Italy. *Students may not take HIS 3542 in conjunction with or after completion of HIS 3540. Credit: 3 semester hours.*

3550 Soldiers and the State in Modern Europe

The influence of the military on national policy, public institutions and popular culture since the Napoleonic era. *Credit: 3 semester hours.*

3562 Women in Modern Europe

Changes since 1800 in women's work, role in the family, sexuality, education, political rights. Feminist and anti-feminist ideologies. Women in war, revolution, fascism and Communism. *Credit: 3 semester hours.*

3570 The Irish Abroad

A comparative analysis of Irish emigration including motivation for the flight of the "Wild Geese" in the 17th century, the famine forced flights in the 18th and 19th centuries, and the "brain drain" in the 20th century. *Credit: 3 semester hours.*

3580 Wars of Empire (Mini-Course)

Prerequisite: HIS 1010. Examines the rise and fall of modern imperialism, 1870–1970, focusing on the conflict between Western colonialism and non-Western nationalism. *Credit: 3 semester hours.*

Russian and Soviet History: Topics and Countries

3650 Russia, the Soviet Union and the Soviet Successor States

A history of the peoples of the former Soviet Union from the time of Kievan Russia through the rise of Muscovy and Imperial Russia to the Communist Revolution and post-Cold War present. *Students may not take HIS 3650 in conjunction with or after completion of HIS 3651, 3652 or 3653. Credit: 3 semester hours.*

3651 Medieval and Early Modern Russia

Early Russian history to the reign of Peter the Great: links with Byzantium and the Christian Orthodox world, the Mongol conquest, the rise of Muscovy territorial expansion, the Time of Troubles, the Church Schism and relations with Western Europe. *Students may not take HIS 3651 in conjunction with or after completion of HIS 3650. Credit: 3 semester hours.*

3652 The History of Modern Russia

The rise of national consciousness in Russia in the 18th and 19th centuries; Eastern and Western intellectual influences; serfdom, emancipation and industrialization; Marxism, war and revolution. *Students may not take HIS 3652 in conjunction with or after completion of HIS 3650. Credit: 3 semester hours.*

3653 The History of the Soviet Union and the Successor States

The evolution of the Soviet Union from 1917 to 1991: development of the one-party Communist state, the Great Terror, WWII, de-Stalinization, stagnation and reform, nationalism and the dissolution of the Soviet Union. Post-Soviet trends in former Soviet nations. *Credit: 3 semester hours.*

3660 Russia as a Multinational Empire

Russian territorial expansion; Russification and Russian colonialism; Caucasus and the East as themes in Russian culture; Bolshevism,

Communism and nationalism, resurgence of nationalism and collapse of the Soviet Union. *Credit: 3 semester hours.*

American History: Topics

3701 U.S. Foreign Relations, 1890–1945

U.S. imperialism and the rise to world power; WWI and the League of Nations; interwar diplomacy; U.S. foreign policy in WWII. *Credit: 3 semester hours.*

3702 U.S. Foreign Relations, 1945 to the Present

Origins of the Cold War in Europe and Asia; the Korean War; the German question; the Berlin crises and Germany; the Vietnam War; détente; the second Cold War; U.S. diplomacy in the 1980s. *Credit: 3 semester hours.*

3705 Race Relations in American Foreign Policy

The history of the relationship between American foreign policy and domestic race relations in the nineteenth and twentieth centuries. *Credit: 3 semester hours.*

3711 History of African Americans I

This course provides a survey of the factors which shaped the work, culture and political struggles of African-Americans before World War II. *Credit: 3 semester hours.*

3712 History of African Americans II

This course studies the social history of African-Americans from 1945 to the present which include political, social, economic and cultural topics. *Credit: 3 semester hours.*

3720 Indians and Europeans in Early America

Introduces the major topics and themes in the ethnohistory of early America from first contact through about 1815. *Credit: 3 semester hours.*

3725 Law in American History

Major trends in American legal history, including imperial and provincial origins of American legal culture, politics of constitutional reform, effects of territorial and commercial expansion, majority and minority interests, legal construction of power and legal activism. *Credit: 3 semester hours.*

3731; 3732 Women in America I; II

A survey course which analyzes the socio-economic, cultural and political factors that influenced the evolution of American women's history. *Credit: 3 semester hours.*

3740 U.S.: Urban America

Growth and urbanization and their effects upon modern American life and institutions. *Credit: 3 semester hours.*

3750 The American South from Reconstruction to the Present

The social, material, cultural and political factors that influenced the transformation of the Southern society, economy and politics from the Reconstruction era to the contemporary period. *Credit: 3 semester hours.*

3760 History of New York City and Long Island

The history of New York City and Long Island as a significant episode in the history of the U.S. Emphasis is placed on social, economic, cultural and religious developments. *Credit: 3 semester hours.*

3770 Economic Geography of New York City

The historical and economic factors that have contributed to making the metropolitan area a cultural capital and the hub of education, social life and business activity. *Credit: 3 semester hours.*

3780 Immigrants and the Catholic Church in the U.S.

Interaction of the Catholic Church in the U.S. and Catholic immigrants with emphasis on mid-19th and early 20th century problems and stresses. *Credit: 3 semester hours.*

3790 The Military in American History

Origins and development of military institutions, traditions and practice in the United States, 1775 to the present; impact of the military on society. *Students may not take HIS 3790 in conjunction with or after completion of HIS 3791. Credit: 3 semester hours.*

3791 The Military in American History (Mini-Course)

A survey of the political, economic and military roles which the U.S. armed forces have played in American history, particularly in the fields of domestic and foreign affairs. *Students may not take HIS 3791 in conjunction with or after completion of HIS 3790. Credit: 3 semester hours.*

3800 FDR: President and Statesman (Mini-Course)

The domestic policies of Franklin D. Roosevelt as president and his role and policies as a world leader during WWII. *Credit: 3 semester hours.*

3850 Africa and the Atlantic (Mini-Course)

Africa's involvement in the Atlantic world from the 15th through the 19th centuries, focusing on the slave trade and transformations of African economies and societies. *Requires travel to West Africa. Credit: 3 semester hours.*

3900 History of Canada

A survey of the political, intellectual, cultural, social and economic developments which have shaped the history of Canada from the earliest European discoveries of the North American continent to its current state of domestic and foreign affairs in the 20th century. *Credit: 3 semester hours.*

4000-Level: Internships, Independent Study, Colloquia and Seminars

4903 Internship in History

Restricted registration. Fieldwork (eight hours per week) in selected museums, libraries, historical sites, or other like organizations under coordinated faculty and professional supervision. *Credit: 3 semester hours.*

4906 Internship in History

Restricted registration. Fieldwork (16 hours per week). See HIS 4903. *Credit: 6 semester hours.*

4953 Independent Study

Restricted registration. Independent research in an area of the student's selection under the general advisement of a faculty member. *Credit: 3 semester hours.*

4990 Seminar

Restricted registration. Readings and discussions in the techniques and problems of historical research on a selected topic. *Required of majors in the junior or senior year. Credit: 3 semester hours.*

4991 Colloquium in European History

Reading and discussion of selected topics in European history. *Credit: 3 semester hours.*

4992 Seminar in European History

Research and writing on selected topics in European history. *Credit: 3 semester hours.*

4993 Colloquium in U.S. History

Reading and discussion of selected topics in U.S. history. *Credit: 3 semester hours.*

4994 Seminar in U.S. History

Research and writing on selected topics in U.S. history. *Credit: 3 semester hours.*

Geography Course Offerings (GEO)

1001 World Geography

A regional analysis of the principal patterns of the physical, economic and cultural geography of the world's nations and continents. *Credit: 3 semester hours.*

1002 North American Geography

A regional analysis of the principal patterns of the physical, economic and cultural geography of the United States and Canada, with emphasis on the natural resource base of those countries, their problems and developments. *Credit: 3 semester hours.*

2001 Natural Resources and World Development

An analysis of the most pressing natural resource issues of the late 20th century and how human use of the resource base affects both environmental quality and global development. *Credit: 3 semester hours.*

2002 Issues in Environmental Conservation

Environmental issues are analyzed in a spatial framework; energy policy, population, land use, materials and waste management; history of environmental degradation by human activity and possible alternatives to that degradation. *Credit: 3 semester hours.*

Intensive English Program (IEP)

The IEP offers a comprehensive program of English as a second language (ESL) full-time, part-time and independent study classes to assist non-native speakers of English in developing their English language skills. The IEP is open to all: matriculated and non-matriculated students, international students and student groups, visiting scholars, residents, businessmen and women, religious workers and corporate-sponsored/government-sponsored employees. Classes are offered at the beginning, low-intermediate, intermediate and advanced levels in reading, writing, listening and speaking to enable students to

reach their academic, business and work-related goals. Class size is small. A free ESL resource library is available. All students take an IEP placement test before registering. Students receive a certificate upon satisfactory completion of the course.

IEP Course Offerings

IEP 0110 Beginner: Level 1

Provides intensive instruction in listening, speaking, reading and writing skills at the beginner level. Emphasis on basic comprehension and conversational skills as well as pronunciation and intelligibility. *No credit.*

IEP 0120 Low-Intermediate: Level 2

Provides intensive instruction in listening, speaking, reading and writing skills at the low-intermediate level. Emphasis on development of vocabulary and idiomatic expressions. *No credit.*

IEP 0130 High-Intermediate: Level 3

Provides intensive instruction in listening, speaking, reading and writing skills at the high-intermediate level. Emphasis on more extensive production in speaking and writing. Exposure to more challenging reading and listening materials. *No credit.*

IEP 0140 Advanced: Level 4

Provides intensive instruction in listening, speaking, reading and writing skills at the advanced level. Development of college-level vocabulary and reading skills, essay writing and extensive discourse. *No credit.*

IEP 0121, 0131, 0141 Part-Time Listening/Speaking: Levels 2, 3, 4

Provides intensive instruction in listening and speaking at the low-intermediate, high-intermediate and advanced levels. *No credit.*

IEP 0122, 0132, 0142 Part-Time Reading: Levels 2, 3, 4

Provides intensive instruction in reading at the low-intermediate, high-intermediate and advanced levels. *No credit.*

IEP 0123, 0133, 0143 Part-Time Writing: Levels, 2, 3, 4

Provides intensive instruction in writing at the low-intermediate, high-intermediate and advanced levels. *No credit.*

IEP 0100 Independent Study

Provides individual instruction (one-on-one) tailored to meet the student's specific language needs. *No credit.*

IEP 0129, 0139, 0149 Short-Term Study

Provides an IEP language program specifically designed to meet the needs of groups and individuals for short-term study. *No credit.*

Languages and Literatures (LLT)

Major Sequences

Spanish B.A./M.A.

The Department of Languages and Literatures offers an intensive, accelerated combined degree program leading to both the B.A. and M.A. degrees in five years of full-time study. Qualified undergraduate students who have completed their sophomore year with a 3.0 cumulative index and a 3.5 for 12 credits in Spanish are encouraged to apply. The students in the B.A./M.A. program take 39 semester hours distributed as follows: SPA 3090, SPA 3100, SPA 3550, SPA 3560, SPA 3870, SPA 3880; six elective credit hours selected among other advanced Spanish undergraduate courses and 15 credit hours in 100-and 200-level Spanish graduate courses. These 15 credits, taken during the junior and senior years, will count towards the M.A. degree.

Spanish (SPA)

33 semester hours, including SPA 3090, 3100; 3550, 3560; 3870, 3880; and 15 elective hours in advanced Spanish courses. Spanish majors are urged to study a second foreign language and to take courses in classical civilization among their general electives. A Spanish major who, in the judgment of the Department, shows a deficiency in speaking Spanish shall be required to take one or both terms of SPA 3110, 3120.

French (FRE)

33 semester hours including FRE 3090, 3100; 3550, 3560; 3870, 3880; and 15 elective hours in advanced French courses. French majors are urged to study a second foreign language and to take courses in Classical civilization among their general electives. A French major who, in the judgment of the department, shows a deficiency in French grammar shall be required to take FRE 3150 as a preparation for FRE 3870, 3880. A French major who shows a deficiency in speaking French shall be required to take one or both terms of FRE 3110, 3120.

Italian (ITA)

33 semester hours including ITA 3090, 3100; 3550, 3560; 3870, 3880; and 15 elective hours in advanced Italian courses. Italian majors are urged to study a second foreign language and to take courses in classical civilization among their general electives. An Italian major, who in the judgment of the department, shows a deficiency in speaking Italian shall be required to take one or both terms of ITA 3110, 3120.

Minor Sequences

Ancient Studies (CLS)

18 semester hours chosen under departmental advisement from courses dealing with Greek and Roman antiquity. No knowledge of Greek or Latin is required.

Classics (CLS)

18 semester hours including six semester hours of Latin above Lat 1020; six semester hours of Ancient Greek and six semester hours in related courses chosen under departmental advisement.

Course applicable to the above two minors include: CLS 1210, 1240, 1260, 1320, 1420, 1770; ENG 3500, 3600, 3610; GOV 1250, 2600; HIS 2001, HIS 2002; LIN 2150; PHI 3500; SPE 3130; THE 3130; and appropriate LAT and GRA under departmental advisement.

French (FRE)

18 semester hours chosen under departmental advisement in the language.

German (GER)

18 semester hours chosen under departmental advisement in the language.

Greek Modern (GRM)

18 semester hours chosen under departmental advisement in the language.

Italian (ITA)

18 semester hours chosen under departmental advisement in the language.

Italian Studies (ITA)

18 semester hours: ITA 2040, 3110, 3570; ANT/SOC 2480; ART 2730; HIS 3541 or 3542. *This minor is not open to ITA majors or minors.*

Linguistics (LIN)

15 semester hours: LIN 1010 and four additional Linguistics courses selected in consultation with an advisor. Courses applicable to the Linguistics minor include: LIN 1010, 1020, 1155, CLS 1320, SPE 1710, 1720, 1730, PHI 3400, 3420, 3910.

Russian (RUS)

18 semester hours chosen under departmental advisement in the language.

Spanish (SPA)

18 semester hours chosen under departmental advisement in the language.

English as a Second Language Program (ESL)

The English as a Second Language Program is designed to assist international students and any other students whose first language is not English, in improving their English language skills. The program aims to help these students meet the academic demands of college-level

course work. Credit courses are offered at the intermediate and advanced levels. ESL writing courses emphasize writing/reading skills. ESL speech courses emphasize speaking/listening skills. Enrollment is limited to 15 students per class. Support services/workshops are also available. Intermediate, advanced and special non-credit writing workshops are offered. The use of the language laboratory is an integral part of the program. Advisement, testing and placement services are available through the ESL Office in Languages and Literatures Department, St. John Hall, Room 435.

The Language Laboratory

The Queens campus Language Laboratory, located in room B48 of St. Augustine Hall, has an automated tape recording system with playback capability, which, together with a central monitoring console, allows students to perfect their language skills while working at their own pace. It also has a VCR system and 39 TV monitors for individual or group viewing of video tapes on language and culture.

Arabic Course Offerings (ARA)

1010 Arabic Level I

This course develops basic communication skills in the Arabic language through discussion, reading, and writing. *Language laboratory required. Laboratory fee, \$25. Credit: 3 semester hours.*

1020 Arabic Level II

Continued development of communication skills in the Arabic language through discussion, reading, and writing. *Language laboratory required. Laboratory fee, \$25. Credit: 3 semester hours.*

2030 Arabic Level III

Prerequisite: ARA 1020. *Corequisite:* ARA 1011 *Language Laboratory.* This course reviews the basic skills learned in Arabic I and II and continues building the student's comprehension and speaking abilities through an active exchange of ideas on the part of the students and instructor within the context of the Arab culture. *Not open to native speakers except with the permission of the Chair. Laboratory fee, \$25. Credit: 3 semester hours.*

2040 Arabic Level IV

Prerequisite: ARA 2030. *Corequisite:* ARA 1011 *Language Laboratory.* This course reviews the basic skills learned in Arabic I, II and III and continues to increase the student's comprehension and speaking abilities through an active exchange of ideas on the part of the students and instructor within the context of the Arab culture. *Not open to native speakers except with the permission of the Chair. Laboratory fee, \$25. Credit: 3 semester hours.*

Classical Studies Course Offerings (CLS)

1210 Classical Mythology

The study of myth, its nature and uses as manifested in the Greek and Western traditions. *No knowledge of classical language is required. Credit: 3 semester hours.*

1240 Women in the Ancient World

A study of the social, economic and political position of women in ancient Greece and Rome; readings of major literary works with women as their subjects; the view of women as expressed in other contemporary literature; readings from works composed by women. *No knowledge of Greek or Latin required. Credit: 3 semester hours.*

1260 Ancient Greek and Roman Historians

Readings in selected works of Herodotus, Thucydides, Livy, Sallust and Tacitus; studies in the philosophy of ancient history and the historical method. *No knowledge of classical language is required. Credit: 3 semester hours.*

1320 Greek and Latin Roots of English

An introduction to the Greek and Latin sources of English words, the principles of word formation and the appropriate usage of vocabulary. *No knowledge of Greek or Latin is required. Credit: 3 semester hours.*

1420 Ancient Stories in Modern Dress (Mini-Course)

Selected myths and legends of the ancient Greeks and Romans as presented by classical writers and dramatists, and as adapted by modern writers, playwrights, choreographers and composers; in-class viewing of the film versions of the modern adaptations. *No knowledge of classical language is required. Credit: 3 semester hours.*

1770 Classical Archaeology

The history of archaeology and its contribution to our knowledge about the ancient world, its history and civilization. *No knowledge of classical language is required. Credit: 3 semester hours.*

ESL Course Offerings

ESLW 1200 English as a Second Language: Intermediate Level Reading/Writing

Prerequisite: Intermediate level on-site test scores. This course provides language instruction through reading and writing paragraphs and short essays focusing on development, vocabulary and grammatical skills. *Open to non-native speakers of English only. Grading on pass-fail basis only. Credit: 3 semester hours.*

ESLS 1200 Oral/Aural Communication; Intermediate Level Listening/Speaking

Prerequisite: Intermediate-level on-site test scores. This course provides instruction in listening comprehension and speaking through training in the sounds of English, intonation patterns and techniques of spontaneous conversation. *Credit: 3 semester hours.*

ESLW 1300 English as a Second Language: Advanced Level Reading/Writing

Prerequisite: ESLW 1200 or advanced level on-site test scores. This course provides language instruction through a study of complex grammatical structures, writing essays in a variety of rhetorical formats, readings and vocabulary materials through culturally relevant materials. *Credit: 3 semester hours.*

ESLS 1300 Oral/Aural Communication: Advanced Level Listening/Speaking

Prerequisite: ESLS 1200 or advanced level on-site test scores. This course provides instruction in listening comprehension and speaking through training in conversational fluency, presentations and error reduction. *Credit: 3 semester hours.*

Non-Credit Workshops

ESLW 0400 Special Writing Workshop

Prerequisite: *Permission of the Director.* Language instruction tailored to the needs of the participants. *No credit.*

EBS 6200 English for Business Studies

This course provides language instruction in terminology and discourse features of business texts for students to whom English is a second language. *Undergraduate-level course for graduate students of The Peter J. Tobin College of Business only. 3 credits toward full time student status only.*

French Course Offerings (FRE)

1000 Intensive French I/II

Corequisite: LLT 1011 *Language Laboratory.* This course aims to develop basic communication skills in French. Through a progressive use of four skills, listening, speaking reading and writing students develop oral and written proficiency at a limited level within the context of French culture. *Laboratory fee \$25. Credit: 6 semester hours.*

1010 French, Level I

Corequisite: LLT 1011, *Language Laboratory.* This course aims to develop basic communication skills in French. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of French culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

1020 French, Level II

Prerequisite: FRE 1010. *Corequisite:* LLT 1011, *Language Laboratory.* This course continues to develop basic communication skills in French. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of French culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2030 French, Level III

Prerequisite: FRE 1020. *Corequisite:* LLT 1011, *Language Laboratory.* This course reviews the basic skills learned in French I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of French culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2040 Intermediate French Conversation

Prerequisite: FRE 2030. *Corequisite:* LLT 1011, *Language Laboratory.* This course reviews the basic skills learned in French I, II and III and continues building oral and written proficiency with more intensive reading and conversation within the context of French culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2050 Readings in Modern French

Prerequisite: FRE 2030 and *permission of Chair.* This course is structured to meet the needs and abilities of non-language majors. Readings taken from a wide range of literary texts. Discussions in the foreign language. *Credit: 3 semester hours.*

2121 Women Writers in France

A study of the rich and diverse literary works of French women writers from the 12th century to the present, the changing sociohistorical context and their common issues and themes that constitute a female tradition. The course is taught in English and is not part of the sequence for the French major or minor. *May be used as a general elective or as an elective in the women's studies minor. Credit: 3 semester hours.*

3090; 3100 Masterpieces of French Literature I; II

Prerequisite for non-majors: *Permission of the Chair.* FRE 3090 is a prerequisite for FRE 3100. FRE 3100 is a prerequisite for all advanced courses in the language. FRE 3090: Through lectures and direct textual analysis of major works, this course traces the development of French literature from its origins to the Baroque. FRE 3100: This course traces the development of French literature from the Age of Enlightenment through the 20th century. *Credit: 3 semester hours.*

3110; 3120 Advanced French Conversation

Drill and practice in conversational French. Topics are selected to meet the requirements of daily life. *Not open to native or fluent speakers. Credit: 3 semester hours.*

3150 Review of French Grammar

Prerequisite: FRE 2040 or 2050 or *permission of the Chair.* Review of grammar for advanced composition courses. *Credit: 3 semester hours.*

3300 France's Role Within the European Community

An overview into the economic, political, technological and social changes in France in the last 10 years that contributed to the shaping of contemporary French culture. *Credit: 3 semester hours.*

3550; 3560 Civilization of France I; II

The history, geography, arts, science, folklore, politics and customs that have contributed to the shaping of French civilization and culture. Part I covers the geography and economy of France as well as its history and civilization from the origins to 1700. Part II covers French

history and civilization from 1700 to the present. *This course is conducted in French. Credit: 3 semester hours.*

3600 Contemporary France

This course studies all aspects of contemporary French life. *Credit: 3 semester hours.*

3620: Paris in the French Culture

Prerequisite: French 1010 or *permission of the Chair for non-majors.* A study of the development of the city of Paris from its founding up to the present with the emphasis on its contributions to French culture; onsite discussions include urban study history, social history, literature, painting, music and theater. *Credit: 3 semester hours.*

3670 Nineteenth Century French Literature

An introduction to the principal poets, prose writers and dramatists of the 19th century. *Credit: 3 semester hours.*

3690 Twentieth Century French Literature

An introduction to the principal poets, prose writers and dramatists of the 20th century. *Credit: 3 semester hours.*

3810 Advanced Commercial French

Prerequisite: FRE 2040 or FRE 2050 or *permission of the Chair.* Introduction to the language and practices of today's business world. The acquisition of the rules of commercial correspondence and the understanding and analysis of original commercial documents is emphasized. *Credit: 3 semester hours.*

3820 French Afro-Caribbean Literature

An introduction to the major contemporary writers of the French-speaking Antilles and Black Africa. *Credit: 3 semester hours.*

3870; 3880 Advanced French Grammar and Composition I; II

A thorough study of difficult points of French grammar and syntax with translation of selected passages into idiomatic French and exercises in composition writing and stylistics. *Credit: 3 semester hours.*

3900 Art and Skills of Translation

Prerequisite: A working knowledge of French and *permission of the instructor or program coordinator.* Translation is taught from a theoretical as well as practical point of view. Students are expected to translate a wide range of literary and non-literary texts from French into English. *Credit: 3 semester hours.*

3980 International internship in France

Prerequisite: *permission of the coordinator.* Total immersion experience in the field of interest chosen by the student in France. *Credit: 3 semester hours.*

4830 French and Francophone Women Writers

Prerequisite: FRE 3090 or FRE 3110 or *permission of coordinator.* A study of the French and francophone women writers from the 12th century to the present. *Conducted in French. Credit: 3 semester hours.*

4953 Independent Study

Guided undergraduate student research arranged on an individual basis. *Permission of the chair and the language area coordinator required. Credit: 3 semester hours.*

4990 Seminar

Prerequisite: FRE 3090 and 3010 or permission from the coordinator. *Credit:* 3 semester hours.

German Course Offerings (GER)

1010 German, Level I

Corequisite: LLT 1011, *Language Laboratory*. This course aims to develop basic communication skills in German. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of German culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

1020 German, Level II

Prerequisite: GER 1010. *Corequisite:* LLT 1011, *Language Laboratory*. This course continues to develop basic communications skills in German. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of German culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

2030 German, Level III

Prerequisite: GER 1020. *Corequisite:* LLT 1011, *Language Laboratory*. This course reviews the basic skills learned in German I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of German culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

2040 Intermediate German Conversation

Prerequisite: GER 2030. *Corequisite:* LLT 1011, *Language Laboratory*. This course reviews the basic skills learned in GER I, II and III and continues building oral and written proficiency with more intensive reading and conversation within the context of German culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

3090; 3100 Masterpieces of German Literature I; II

Prerequisite for non-majors: Permission of the Chair. GER 3090 is a prerequisite for GER 3100. Discussions in the language of representative selections. *Credit:* 3 semester hours.

Note: GER 3100 is prerequisite for all advanced literature courses in the language.

3110; 3120 Advanced German Conversation

Drill and practice in conversational German. Topics are selected to meet the requirements of daily life. *Not open to native or fluent speakers. Credit:* 3 semester hours.

3550; 3560 Civilization of Germany

The history, geography, art, science, music, literature, folklore, politics, habits and customs that have contributed to the shaping of German civilization and culture. *Credit:* 3 semester hours.

3690; 3700 Goethe

A study of representative works of the author; *Faust*. *Credit:* 3 semester hours.

3710 German Romanticism

A study of representative authors, 1790–1830. *Credit:* 3 semester hours.

3720 German Novelle

The genre from Goethe to the present. *Credit:* 3 semester hours.

3870; 3880 Advanced German Grammar and Composition

A study of difficult points of German grammar and syntax with translation of selected passages into idiomatic German. *Credit:* 3 semester hours.

4953 Independent Study

Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. *Credit:* 3 semester hours.

Ancient Greek Classical Course Offerings (GRA)

1010; 1020 Elementary Ancient Greek

Prerequisite: GRA 1010 is a prerequisite for 1020. *Corequisite:* LLT 1011, *Language Laboratory*. An introduction to classical Greek (Attic); a study of Greek grammar, acquisition of a basic vocabulary and practice in translation. *Credit:* 3 semester hours.

4953; 4954 Independent Study

Prerequisite: Permission of instructor. Individual guided instruction in either Classical Greek grammar or literature. *Credit:* 3 semester hours.

Greek Modern Course Offerings (GRM)

1010 Modern Greek Level I

Corequisite: LLT 1011, *Language Laboratory*. This course develops basic communication skills in modern Greek. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Greek culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

1020 Modern Greek Level II

Prerequisite: GRM 1010. *Corequisite:* LLT 1011, *Language Laboratory*. This course continues to develop basic communication skills in modern Greek. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Greek culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

2030 Modern Greek Level III

Prerequisite: GRM 1020. *Corequisite:* LLT 1011, *Language Laboratory*. This course reviews the basic skills learned in Greek I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Greek culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

2040 Intermediate Modern Greek, Conversation

Prerequisite: GRM 2030. *Corequisite:* LLT 1011, *Language Laboratory*. This course reviews the basic skills learned in GRM I, II and III and continues building oral and written proficiency

with more intensive reading and conversation within the context of Greek culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

3090; 3100 Masterpieces of Greek Literature I; II

Prerequisite: GRM 2040 or permission of Chair. GRM 3090 is a prerequisite for GRM 3100. Discussions, in the language, of representative selections. *Credit:* 3 semester hours.

3130; 3140 Modern Greek for Bilingual Use

Prerequisite: Native or near-native proficiency. GRM 3130 is a prerequisite for GRM 3140. A concise view of the basic language skills for use in a bilingual environment. Conversation, aural training, and writing skills based on practical everyday topics and on readings of literary and educational materials. *Credit:* 3 semester hours.

4953 Independent Study

Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. *Credit:* 3 semester hours.

Modern Hebrew (HBR)

1010 Hebrew Level I

An introduction to the Hebrew language designed to develop the linguistic skills necessary for personal, academic and professional life through practice in listening, speaking, reading and writing in Hebrew. *Credit:* 3 semester hours.

1020 Hebrew Level II

Continued development of the Hebrew language designed to develop the linguistic skills necessary for personal, academic and professional life through practice in listening, speaking, reading and writing in Hebrew. *Credit:* 3 semester hours.

Hindi (HIN)

1010 Hindi Level I

An introduction to Hindi from a communicative approach to language learning. In conjunction with classroom instruction students are required to work in the language laboratory for one additional hour per week. *Credit:* 3 semester hours.

1020 Hindi Level II

Further training in Hindi language form a communicative approach to language learning. In conjunction with classroom instruction students are required to work in the language laboratory for one additional hour per week. *Credit:* 3 semester hours.

Italian Course Offerings (ITA)

1000 Intensive Italian I; II

Corequisite: LLT 1011, *Language Laboratory*. This course aims to develop basic communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Italian culture. *Laboratory fee, \$25. Credit:* 3 semester hours.

1010 Italian, Level I

Corequisite: LLT 1011, *Language Laboratory*. This course aims to develop basic communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Italian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

1020 Italian, Level II

Prerequisite: ITA 1010. *Corequisite:* LLT 1011, *Language Laboratory*. This course continues to develop basic communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Italian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2030 Italian, Level III

Prerequisite: ITA 1020. *Corequisite:* LLT 1011, *Language Laboratory*. This course reviews the basic skills learned in Italian I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Italian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2040 Intermediate Italian Conversation

Prerequisite: ITA 2030. *Corequisite:* LLT 1011, *Language Laboratory*. This course reviews the basic skills learned in Italian I, II and III and continues building oral and written proficiency with more intensive reading and conversation within the context of Italian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

3090; 3100 Masterpieces of Italian Literature I; II

Prerequisite for non-majors: Permission of the Chair. ITA 3090 is a prerequisite for ITA 3100. ITA 3090: Through lectures and direct textual analysis of major works, this course traces the development of Italian literature from its origins to the Baroque. ITA 3100: This course traces the development of Italian literature from the Age of Enlightenment through the twentieth century. *Credit: 3 semester hours.*
Note: ITA 3100 is a prerequisite for all advanced ITA courses.

3110; 3120 Advanced Italian Conversation

Drill and practice in conversational Italian. Topics are selected to meet the requirements of daily life. *Not open to native or fluent speakers. Credit: 3 semester hours.*

3240 Pirandello's Theatre

This course is a survey of Pirandello's work as a playwright. It is intended to acquaint the student with the author's most familiar themes and his worldwide impact on past and current theatrical trends. *Course conducted in English. Not applicable to major sequence. Credit: 3 semester hours.*

3260 Italian Cinema, from Neo-Realism to the Present

This course focuses on the development of the Italian cinema from World War II to our days. It examines the relationship between the screen and the socio-political and economic structures projected in a literary context. *Credit: 3 semester hours. Course is conducted in Italian.*

3530 Italian Renaissance Art and Literature

This course, taught in English, is an investigation of classical humanism in Italian literature and art. Emphasis will be put on the manifestation of Renaissance ideas in the cities of Florence and Rome. *Credit: 3 semester hours.*

3540 Southern Italy: A Cultural Journey

Corequisite: ART 2929. This course, which is taught in English and conducted abroad, will expose the student to the variety of cultures that have shaped southern Italy throughout the centuries from the ancient Greeks to modern times, through personal encounters, research, and a Service-Learning experience. *Credit: 3 semester hours.*

3550; 3560 Civilization of Italy

The history, geography, art, science, music, literature, folklore, politics, habits and customs that have contributed to the shaping of Italian civilization and culture. *Credit: 3 semester hours.*

3570 Studies in Italian Culture

A study of the diversified elements comprising the background of the culture and civilization of Italy. *Course conducted in English. Credit: 3 semester hours. This course is not applicable to the major.*

3580 The City of Rome

A study of the city of Rome through its historical periods and its literary and cultural movements. Italy's capital city will be the focal point for broad analyses of the relation of past and present, the classical cultural heritage in Italy, the anti-classical movements of Italian art, architecture, literature and film. Site visits are an integral part of this course. *Offered in Rome and taught in English. Credit: 3 semester hours.*

3590 Italian Lyric Poetry

The evolution of Italian lyric poetry from the *Scuola Siciliana* through the *Dolce Stil Nuovo*, culminating with a study of Petrarch's *Canzoniere*. *Credit: 3 semester hours.*

3600 The Italian Novella

This course traces the development of the Italian novella, culminating with a study of Boccaccio's *Decameron*. *Credit: 3 semester hours.*

3620 Italian Renaissance Literature

Major literary figures of the *Rinascimento*. Emphasis on chivalric and epic poetry, political thought, theatre and Petrarchism. *Credit: 3 semester hours.*

3670 The Modern Italian Novel

The development of the modern Italian novel seen against its historical and social background. Emphasis is placed on the novels of Svevo, Pirandello, Betti, De Filippo and Calvino. *Credit: 3 semester hours.*

3680 The Modern Italian Theatre

The evolution of the modern Italian theatre from the grotteschi to the experimental theatre of today; the works of Rosso di San Secondo, Chiarelli, Pirandello, Betti, De Filippo and others. *Credit: 3 semester hours.*

3690 Italian Poetry of the 19th Century

Prerequisite: ITA 3100. A study of Italian poetry of the 19th century as reflected in representative poets of the period: Foscolo, Leopardi, Pascoli, Carducci, D'Annunzio. *Credit: 3 semester hours.*

3700 Italian Novel of the 19th Century

Prerequisite: ITA 3100. A study of the Italian novel of the 19th century as reflected in representative novelists of the period: Manzoni, Verga, D'Annunzio, Svevo. *Credit: 3 semester hours.*

3740 Contemporary Italian Fiction

A study of contemporary Italian fiction: Sperimentalismo, the Neo-Avant-Garde and Post-Modernism. Selected works are analyzed with respect to structure, techniques, themes and language. *Credit: 3 semester hours.*

3750 Advanced Italian for Business

Prerequisite: ITA 2040. The language and the practices of Italian business. *Credit: 3 semester hours.*

3760 Contemporary Italy

This course studies all aspects of contemporary life in Italy. *Credit: 3 semester hours.*

3810; 3820 La Divina Commedia

Dante's masterpiece, with particular emphasis on its literary and philosophical significance. *Credit: 3 semester hours.*

3870; 3880 Italian Advanced Grammar and Composition

A study of difficult points of Italian grammar and syntax, intensive composition practice and translation of selected passages into idiomatic Italian. *Credit: 3 semester hours.*

3900 Art and Skills of Translation

Prerequisite: Working knowledge of ITA and permission of the instructor. This course addresses translation from theoretical and practical points of view. Students are expected to translate a wide range of texts from Italian into English. *Credit: 3 semester hours.*

4990 Seminar in Italian Literature

Credit: 3 semester hours.

4953 Independent Study

Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. *Credit: 3 semester hours.*

Latin Course Offerings (LAT)

1010; 1020 Elementary Latin I; II

Prerequisite: LAT 1010 is a prerequisite for LAT 1020. An introduction to Latin; reading of Latin authors from the beginning of the course, accompanied by a study of the fundamentals of Latin grammar. *Credit: 3 semester hours.*

2030; 2040 Intermediate Latin

Prerequisite: LAT 1020. *First Semester:* Various prose selections (Nepos, Cicero, etc.) *Second Semester:* Selections from Vergil. *Credit: 3 semester hours.*

2050 Selections from Medieval Latin

Prerequisite: LAT 2030 or equivalent. The lives and writings of several representative authors of the Middle Ages. A study of the influence of classical writings on medieval literature and the consequent influence of the medieval period on modern culture. *Credit: 3 semester hours.*

2060 Ecclesiastical Latin

Prerequisite: LAT 2030 or equivalent. A survey of the nature and historical use of Ecclesiastical Latin, with readings drawn from the liturgy, theological works and church documents. *Credit: 3 semester hours.*

4953; 4954 Independent Study

Individual guided study in Latin of a particular author or authors or of a genre of Latin literature. *Credit: 3 semester hours.*

Linguistics Course Offerings (LIN)

1010 Introduction to Linguistics

An introduction to the fundamental principles of phonetics, phonology, morphology, syntax and semantics, with examples drawn from classical and modern languages. *Credit: 3 semester hours.*

1020 Survey of Linguistics

Prerequisite: LIN 1010. An introduction to the various fields of interest that comprise the modern study of linguistics. *Credit: 3 semester hours.*

1155 Language and Intercultural Communication

Communication as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, intergenerational, gender, deaf subcultures and international settings. *Credit: 3 semester hours.*

1320 Greek and Latin Roots of English

An introduction to the Greek and Latin sources of English words, the principles of word formation and the appropriate usage of vocabulary. *No knowledge of Greek or Latin required. Credit: 3 semester hours.*

2150 Introduction to Romance Linguistics

Prerequisite: LIN 1010 or permission of the department. A survey of the evolution of the Romance family of languages and the linguistic properties of each of its members. *Credit: 3 semester hours.*

Languages and Literatures Course Offerings (LLT)

1000C French Language and Culture

An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of culture. Specific sections may deal with particular languages as indicated in the course-offering bulletin. *Credit: 3 semester hours.*

1000C Italian Language and Culture

An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of culture. Specific sections may deal with particular languages as indicated in the course-offering bulletin. *Credit: 3 semester hours.*

1000C Spanish Language and Culture

An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of

culture. Specific sections may deal with particular languages as indicated in the course-offering bulletin.

Credit: 3 semester hours.

1040 Europe on the Move: France, Germany, Italy and Spain Within the European Community

An overview of the economic, political, technological and social changes that have occurred in France, Germany, Italy and Spain over the last 10 years and that have contributed to the shaping of the European community. *Credit: 3 semester hours.*

2122 Women Writers in Italy

Italian women writers have played an important role in the cultural and social milieu of Italy from the 12th century to the present. This course focuses on issues that have permeated women's writings in an ever-changing political and social scene. *Course is taught in English and is an elective for the women studies minor.*

Credit: 3 semester hours.

3980 French International Internship

Prerequisite: Permission of Chair. Total immersion experience in a field of interest chosen by the student in a country in which the target language is spoken. *Credit: 3 semester hours.*

3980 Italian International Internship

Prerequisite: Permission of Chair. Total immersion experience in a field of interest chosen by the student in a country in which the target language is spoken. *Credit: 3 semester hours.*

3980 Spanish International Internship

Prerequisite: Permission of Chair. Total immersion experience in a field of interest chosen by the student in a country in which the target language is spoken. *Credit: 3 semester hours.*

Russian Course Offerings (RUS)

1010 Russian, Level I

Corequisite: LLT 1011, *Language Laboratory.* This course aims to develop basic communication skills in Russian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Russian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

1020 Russian Level II

Prerequisite: RUS 1010. *Corequisite:* LLT 1011, *Language Laboratory.* This course continues to develop basic communication skills in Russian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Russian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2030 Russian, Level III

Prerequisite: RUS 1020. *Corequisite:* LLT 1011, *Language Laboratory.* This course reviews the basic skills learned in Russian I and II and continues building oral and written proficiency

with more intensive reading and conversation within the context of Russian culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2040C Intermediate Russian Conversation

Prerequisite: RUS 2030. *Corequisite:* LLT 1011, *Language Laboratory.* Russian Conversation is based on life and culture that integrates discrete grammar points in communicative activities, which simulate real-life context. In conjunction with the classroom instruction, the student is required to work in the language laboratory for one additional period a week. *Laboratory fee, \$25. Credit: 3 semester hours.*

3090 Masterpieces of Russian Literature I

Prerequisite for non-majors: Permission of the Chair. Lectures and analytical discussions on the most representative works by Russian authors from 1140 to the present. *The course is conducted in Russian. Credit: 3 semester hours.*

3110; 3120 Advanced Russian Conversation

Drill and practice in conversational Russian. Topics are selected to meet the requirements of daily life. *Not open to native or fluent speakers. Credit: 3 semester hours.*

3230 Dostoyevsky

A critical analysis of Dostoyevsky's major novels, with particular emphasis on his ideology and aesthetics. *Course conducted in English. No knowledge of Russian required. Credit: 3 semester hours.*

3550; 3560 Civilization of Russia

This course features the history, geography, art, science, music, literature, politics and customs which have contributed to the shaping of Russian civilization and culture. *Credit: 3 semester hours.*

Spanish Course Offerings (SPA)

1010 Spanish, Level I

Corequisite: LLT 1011, *Language Laboratory.* This course develops basic communication skills in Spanish. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Spanish culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

1020 Spanish, Level II

Prerequisite: SPA 1010. *Corequisite:* LLT 1011, *Language Laboratory.* This course continues to develop basic communication skills in Spanish. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Spanish culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2030 Spanish, Level III

Prerequisite: SPA 1040. *Corequisite:* LLT 1011, *Language Laboratory.* This course reviews the basic skills learned in Spanish I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Spanish culture. *Laboratory fee, \$25. Credit: 3 semester hours.*

2040 Intermediate Spanish Conversation
Prerequisite: SPA 2030. *Corequisite:* LLT 1011, *Language Laboratory.* This course reviews the basic skills learned in Spanish I, II and III and continues building oral proficiency with more intensive conversation within the context of Hispanic culture. *Laboratory fee, \$25.*
Credit: 3 semester hours.

2050 Readings in Modern Spanish
Prerequisite: SPA 2030. This course is structured to meet the needs and abilities of non-language majors. Discussion in the foreign language. *Credit: 3 semester hours.*

3090; 3100 Masterpieces of Hispanic Literature I; II
Prerequisite for non-majors: Permission of the Chair. SPA 3090 is a prerequisite for SPA 3100. SPA 3090: Through lectures and textual analysis, this course traces the development of Spanish literature from its origins through the 20th century. SPA 3100: Through lectures and textual analysis, this course traces the development of Spanish-American literature from the 16th through the 20th century.
Credit: 3 semester hours.

Note: SPA 3100 is a prerequisite for all advanced SPA courses.

3110; 3120 Advanced Spanish Conversation
Conversation based on everyday topics and on readings taken from a wide range of literary and non-literary materials. *Not open to native or fluent speakers.* *Credit: 3 semester hours.*

2150 Spanish for Law-Related Careers
Prerequisite: SPA 2040 or permission of instructor. A study of grammatical structures and specialized vocabulary to enable law-oriented students to communicate with Spanish speakers in legal matters.
Not applicable to the major sequence.
Credit: 3 semester hours.

2170 Spanish for Medical Personnel
Prerequisite: SPA 2040 or permission of instructor. A study of specialized vocabulary and structures required for medically oriented students to communicate with patients at a basic level. *Not applicable to the major sequence.* *Credit: 3 semester hours.*

2350 Spanish for Bilingual Hispanics
Prerequisite: Permission of the department. A study of correct written and spoken Spanish for Bilingual Hispanics. *Credit: 3 semester hours.*

2360 Review of Spanish Grammar
Prerequisite: SPA 2040 or 2050 or permission of the department. A thorough review of Spanish grammar intended as preparation for more advanced composition courses. *Course conducted in Spanish.* *Credit: 3 semester hours.*

3550 Civilization of Spain
The history, geography, art, science, music, literature, folklore, politics, habits and customs that have contributed to the shaping of Spanish civilization and culture.
Credit: 3 semester hours.

3560 Civilization of Spanish America
The history, geography, art, science, music, literature, folklore, politics, habits and customs that have contributed to the shaping of Spanish-American civilization and culture.
Credit: 3 semester hours.

3570 Medieval Spanish Literature
A survey of Spanish medieval literature from the *Poema de Mio Cid* up to *La Celestina*. Reading and discussion of important literary figures and their works. *Credit: 3 semester hours.*

3580 Works of Cervantes I
An in-depth study of *Don Quijote*.
Credit: 3 semester hours.

3600 Contemporary Spain
A study of all aspects of contemporary Spanish life. *Credit: 3 semester hours.*

3610; 3620 Spanish Golden Age Literature I; II
A study of the major literary genres and the principal writers and works of the period.
Credit: 3 semester hours.

3640 19th-Century Spanish Literature
A study of Romanticism and Realism in Spain through readings and discussions of the most important writers of these periods.
Credit: 3 semester hours.

3700 The Spanish-American Novel
An analysis of the development and significance of the Spanish-American novel. Emphasis on contemporary novelists.
Credit: 3 semester hours.

3710 The Essay in Spanish-American Literature
A study of the origin and development of the essay in Spanish-American literature.
Credit: 3 semester hours.

3730 Spanish American Short Story
A study of the development of the short story in Spanish America from the colonial period to the twentieth century. *Credit: 3 semester hours.*

3770 Literature of Spain from the Generation of 1898 to the Civil War
Readings and discussion on the interpretation of the social and literary significance of Baroja, Valle Inclán, Unamuno, Azorín, Ortega y Gasset, and others from the "Generation of '98" *Credit: 3 semester hours.*

3780 Spanish Literature After the Civil War
A study of the principal literary genres and the representative works of the period.
Credit: 3 semester hours.

3870 Advanced Spanish Grammar and Composition I
A study of difficult points of Spanish grammar and syntax with translation of selected passages into idiomatic Spanish.
Credit: 3 semester hours.

3880 Advanced Spanish Grammar and Composition II
A study of difficult points of Spanish grammar and syntax with translation of selected passages into idiomatic Spanish.
Credit: 3 semester hours.

3900 Art and Skills of Translation
Prerequisites: Working knowledge of SPA and permission of the instructor. This course addresses translation from theoretical and practical points of view. Students are expected to translate a wide range of texts from Spanish to English. *Credit: 3 semester hours.*

4770 Spanish Literature of the 19th Century
A study of the literary movements of the 19th century in their cultural and historical perspectives. *Credit: 3 semester hours.*

4953 Independent Study
Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. *Credit: 3 semester hours.*

4990 Seminar
Prerequisite: Permission of the Chair. This course aims at eliminating lacunae.
Credit: 3 semester hours.

Library and Information Science (LIS)

Minor Sequences:

Children and Information: 18 semester hours, including LIS 1001, 1002, 1003, 1004, 1005, and 1006.

Information Studies:

18-19 semester hours, including 12 credits in LIS 1210, 1220, 1230, and 1240, 6 credits in electives, and an information skills requirement. The electives are LIS 1250 and 1260, SPE 2025 and 3135, CAS 1101 and 1411, CUS 1130 and higher, LIN 1010, LIN/PHI 3400 and 3420, MGT 4322 and 4329, PSY 2030 and 3280, SOC 2610 and 3650, CIS/DS 2333 and 2334, and MTH 3810 and 3820. The skills requirement is satisfied by passing a departmental exam or by taking 1 credit in LIS 1200.

Library and Information Science Course Offerings (LIS)

1001 Children's Literature I
Survey of classic and contemporary literature for children, ages birth through eight.
Credit: 3 semester hours.

1002 Children's Literature II
Survey of classic and contemporary literature for children, ages nine through twelve. *Credit: 3 semester hours.*

1003 Information Literacy for Children
Techniques for assisting children in finding information in reference and non-print sources.
Credit: 3 semester hours.

1004 Introduction to Technical Services
Systems and practices of information organization in school and public libraries.
Credit: 3 semester hours.

1005 Management of Children's Information Environments
Management techniques for elementary school library media centers and public library children's rooms. *Credit: 3 semester hours.*

1006 Library Field Experience

Prerequisite: completion of 12 credits in LIS courses. Supervised observation and participation in the activities of a school media center or public library children's room. Attendance at on-campus meetings and presentation of reports required. *Credit: 3 semester hours.*

1200 Information Views and Communication

Overview of the different aspects of representing information in documents, spreadsheets, and databases. Email and the Web are discussed as vehicles for information access. *Credit: 3 semester hours.*

1210: Introduction to Information Science

Survey of information science including historic trends and developments, information theory and practice, human information behavior, information policy and societal concerns, information organization and databases. *Credit: 3 semester hours.*

1220 Information and Society

Explores the broad impact of information on society. The course will cover a range of social, ethical, political, and economic issues, especially public policy about information and its effect on the individual and the workplace. *Credit: 3 semester hours*

1230 Information Needs, Sources, and Services

The relationship between cultural, educational, and recreational needs and information; models of information seeking behavior; and techniques for evaluating and using information effectively. *Credit: 3 semester hours.*

1240 Design of Information Systems in Organizations

Techniques for analyzing requirements of automated systems, and the design of systems to satisfy those requirements. Topics include modeling the information flow from its origin to its utilization, and the role of information systems in organizations. *Credit: 3 semester hours.*

1250 Information Retrieval Systems

Explores the principles of information retrieval, indexing, search engines, information types (e.g., text, images, sound), query and knowledge representation methods, user interaction, performance and efficiency. *Credit: 3 semester hours.*

1260 Usability and Effectiveness of Information Interfaces

Explores concepts of human computer interaction in order to evaluate the design of information interfaces. Topics include user analysis, user interface design, and interface evaluation. Introduces the fundamentals of web technology and design. *Credit: 3 semester hours.*

**Mathematics (MTH)/
Computer Science (CSC)****Major Sequences****Mathematics (MTH)****B.A.**

40 semester hours including: CSC 1390; MTH 1730, 1740, 2750, 2760, 2700, 2790, 3770, 3780, 4830, 3840, 4990. In addition, MTH majors on the Queens campus take PHY 1930; 1940. MTH majors on the Staten Island campus take PHY 1440; 1450.

B.A./M.A.

Students admitted to the accelerated B.A./M.A. Program in Mathematics take, as their major sequence for the baccalaureate degree, 37 semester hours including CSC 1390; MTH 1730, 1740, 2700, 2750, 2760, 2790, 3770, 3780, 3840 and 4990. In addition, Mathematics majors on Queens campus must take PHY 1930; 1940, on Staten Island campus PHY 1440;1450. Students must complete two 100-level graduate courses during their junior year and MTH 207 and 208 during their senior year, for a total of 12 graduate credits. Eligibility requires a 3.0 overall index with a 3.25 index in the major. For additional program requirements, consult the St. John's University Graduate Bulletin.

B.S.

55 semester hours including: CSC 1390; MTH 1730, 1740, 2750, 2760, 2700, 3770, 3780, 2790, 3840, 2800, 3810, 4830, 4990 and nine elective credits in MTH. In addition, MTH majors on the Queens campus take PHY 1930; 1940. Majors on the Staten Island campus take PHY 1440; 1450.

Computer Science (CSC)

(Offered on Staten Island campus only.)

B.S.

30 semester hours in CSC and 14 semester hours in MTH including: CSC 1020, 1400, 1410, 2420, 2450, 2470, 2480, 4990, and six elective credits in computer science. All CSC majors must take MTH 1050, 1730, 1740, 2540, and PHY 1440.

Minor Sequences**Applied Statistics**

19 semester hours: CSC [1010 or 1390 or 1400], MTH [1020 or 1210], 1125, 2130 and 2140.

Mathematics

25-26 semester hours: CSC 1390, MTH 1730, 1740, 2750, 2760, 2790 and one elective in mathematics.

Computer Science

21 semester hours: CSC 1400, 1410 and five courses from among CSC 2370, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, MTH 2540.

Information Science

18 semester hours: CSC 1020, [1400 or 1350], 2490 and nine elective credits chosen from CSC 1410, 1470, 2450, 2480, 2640.

Mathematics Course Offerings (MTH)**0290 Introduction to College Mathematics**

Emphasis is placed on reinforcing basic arithmetic skills and the essential elements of algebra necessary to undertake any college-level mathematics courses. *Course does not satisfy St. John's University Core Curriculum requirement. Course does not apply to major or minor sequences. Credit: 3 semester hours.*

1000C Mathematics for Liberal Arts

This course provides a qualitative approach to an understanding and interpretation of mathematics in the contemporary liberal arts. Topics to be discussed are selected from among those which have relevant application in the liberal arts. *Credit: 3 semester hours.*

1020 Applied Statistics I

Prerequisite: High school algebra. An introduction to general statistical methods for all disciplines. *Credit: 4 semester hours.*

1040 Mathematical Models for Decision Making

Prerequisite: Three years of high school mathematics. This course is intended to provide a foundation for practical decision making. Topics selected from finite mathematics, graph theory, probability, Markov chains, theory of voting, game theory. Particularly useful for students in the social sciences. *Credit: 3 semester hours.*

1050 Pre-Calculus and Trigonometry

Review of elementary algebra; functions and graphs; sets of linear equations, introduction to exponential and logarithmic functions; trigonometry. *For chemistry, mathematics, physics majors and pre-engineering students who have not attained satisfactory grades in advanced algebra and trigonometry in high school. Credit: 3 semester hours.*

1125 Applied Statistics II: Multivariate Analysis

Prerequisite: MTH 1020. A continuation of the study of general statistical methods including factor analysis, multiple and curvilinear regression and analysis of covariance. *Credit: 4 semester hours.*

1210 Bio-Statistics

Probability and statistics with applications to the natural sciences. *Open to biology, environmental studies majors and pre-med students only. Credit: 4 semester hours.*

1220 Calculus with Biological Applications

Elementary calculus with applications whenever possible to the natural sciences. *Open to biology, environmental studies majors and pre-med students only. Credit: 4 semester hours.*

1250 Statistical Applications for Pharmacy and Allied Health

An introduction to the applications of probability and statistics to the pharmaceutical and allied health professions. *Open to College of Pharmacy and Allied Health Professions Professions students only. Credit: 3 semester hours.*

1260 Calculus Applications for Pharmacy and Allied Health

An introduction to differential and integral calculus for the pharmaceutical and allied Health professions. *Open to College of Pharmacy and Allied Health Professions students only. Credit: 3 semester hours.*

1300 College Algebra with Business Applications

Algebraic concepts and techniques as applied to economics and other business mathematics with an emphasis on "real world" computations. *Open to The Peter J. Tobin College of Business students only. Course does not satisfy St. John's University Core Curriculum requirements. Credit: 3 semester hours.*

1310 Pre-Calculus with Business Applications (formerly MTH N36/12)

Review of algebra; linear, quadratic and other functions with applications to economics and business. *Open to The Peter J. Tobin College of Business and St. John's College students only. Credit: 3 semester hours.*

1320 Calculus with Business Applications

Prerequisite: MTH 1310. Introduction to calculus. Differentiation and integration of algebraic, exponential, and logarithmic functions of a single variable; introduction to functions of several variables; business and economics applications are stressed throughout. *Open to The Peter J. Tobin College of Business and St. John's College students only. Credit: 3 semester hours.*

1530; 1540 Fundamentals of Mathematics I; II

Prerequisite: MTH 1530 is a prerequisite for MTH 1540. The real number system and its subsystems; modular arithmetic; basic algebraic structures; experimental and informal geometry; measurement; logic, elementary probabilistic and statistical ideas and methods. *Open to education majors only. Credit: 3 semester hours.*

1570; 1580 Survey of Mathematics I; II

Prerequisite: MTH 1570 is a prerequisite for MTH 1580. A general survey of elementary and modern mathematics. Topics are chosen with a view towards a variety of applications, logical paradoxes and mathematical games. The purpose is to provide a varied, useful and interesting background in mathematics. *For Secondary Education minors only. Not applicable to major or minor sequences. Credit: 3 semester hours.*

1730; 1740 University Calculus I and II

Prerequisite: Satisfactory grades in *Trigonometry and Advanced Algebra* or MTH 1050. MTH 1730 is a prerequisite for MTH 1740. Analytic geometry; functions; limits; differentiation of algebraic and transcendental functions; integration; applications. *For mathematics, pre-engineering, chemistry, and physics majors only. Credit: 4 semester hours.*

2110 Applied Probability for Actuarial Science

The use of probability in a risk management setting. The fundamental axioms of probability and the standard probability distributions, as they are used in the applied field of risk management. *Credit: 4 semester hours. Open to mathematics and actuarial science majors.*

2130 Applied Statistics III: Non-Parametric Statistics

Prerequisite: MTH 1125. General nonparametric statistical methods. *Credit: 4 semester hours.*

2140 Statistical Design

Methods for designing experiments and the statistical analysis of experimental results. *Credit: 4 semester hours.*

2150 Statistics for Behavioral and Social Sciences

Prerequisite: MTH 1020. Bivariate relationships in statistical models. Topics include: research design, t-test, analysis of variance correlation and regression, chi-square test. Use of SPSS and other appropriate software packages. *Recommended for behavioral and social science majors. Credit: 3 semester hours.*

2390 Introduction to Operations Research

Scientific approaches to decision making involving the operations of organizational systems. Topics include integer programming, probability, stochastic processes, game theory, networks. *Open to The Peter J. Tobin College of Business students only. Credit: 3 semester hours. (SI)*

2540 Computer Mathematics

Mathematical concepts used in designing and analyzing algorithms. Topics may include permutations and combinations, mathematical induction, discrete probability, propositional logic and applications to number systems, summation, limits, vectors and matrices. *Credit: 3 semester hours. (SI)*

2560 Topics in Mathematics

Elementary number theory; real number system and sub-system; transformations and functions, isometries and symmetry groups. *Open to Education majors only. Credit: 3 semester hours.*

2700 Introduction to Mathematical Thinking

Prerequisite: MTH 1740. An introduction to the tools of mathematics. How to read and write mathematics; construct examples and counterexamples; elementary mathematical logic; methods of proof. Students will be required to give presentations. *Credit: 3 semester hours.*

2750 University Calculus III

Prerequisite: MTH 1740. Matrices and vectors; vector functions and their derivatives; partial differentiation; multiple integrals. *Credit: 4 semester hours.*

2760 University Calculus IV

Prerequisite: MTH 2750. Multiple integrals and their applications: Green's Theorem, Stokes' Theorem, sequences and series. *Credit: 4 semester hours.*

2790 Introduction to Linear Algebra

Prerequisite: MTH 1740. Vectors and vector spaces; linear transformations and matrices; characteristic values and characteristics vectors of linear transformations; similarity of matrices. *Credit: 3 semester hours.*

2800 Introduction to Modern Algebra

Prerequisite: MTH 2750. Elementary theory of groups, rings, integral domains and fields. *Credit: 3 semester hours.*

3380 Discrete Mathematics

The application of mathematics to discrete rather than continuous models. *Credit: 3 semester hours.*

3770; 3780 Advanced Calculus I; II

Prerequisite: MTH 2760. MTH 3770 is a prerequisite for MTH 3780. Topology of the real line, limits, differentiation and integration theory; vectors, linear and nonlinear functions of several variables, series, implicit function theorems; selected topics. *Credit: 3 semester hours.*

3810; 3820 Mathematical Theory of Probability and Statistics I; II

Prerequisite: MTH 2760. MTH 3810 is a prerequisite for MTH 3820. Introduction to probability; sample spaces, random variables and distributions; sampling distributions; parametric estimation and hypothesis testing; correlation and regression; special topics. *Credit: 3 semester hours.*

3840 Ordinary Differential Equations

Prerequisite: MTH 2760. First order equations, existence and uniqueness, Picard iteration, numerical methods. Linear algebra of linear systems and their solutions. Models, phase plane, nonlinear systems, stability. *Credit: 3 semester hours.*

3850 Partial Differential Equations

Prerequisite: MTH 3840. Discussion of first order equations; derivation and classification of second order equations; solution techniques of boundary value and initial value problems; applications. *Credit: 3 semester hours.*

3860; 3870 Numerical Analysis I; II

Prerequisite: MTH 2760. MTH 3860 is a prerequisite for MTH 3870. Errors; methods of interpolation; numerical solution of algebraic, transcendental and differential equations; least squares approximations; smoothing formulas, numerical solutions. Methods of solutions via computer software packages. *Credit: 3 semester hours.*

3970 Topics in Applied Mathematics

Prerequisite: Consent of instructor. Topics selected from areas such as mathematical physics, integral equations, Fourier analysis. *Credit: 3 semester hours.*

4830 Complex Variables

Prerequisite: MTH 3780. Analytic functions, power series, complex integration and Cauchy's Theorem, application of Cauchy's Theorem; Laurent Series and the Residue Theorem, evaluation of real integrals.

Credit: 3 semester hours.

4903 Internship in Mathematics

Restricted registration. Fieldwork (eight hours per week) where students are afforded the opportunity of working in the professional field of mathematics, practice under the supervision and counseling of a faculty member.

Credit: 3 semester hours.

4906 Internship in Mathematics

Restricted registration. Fieldwork (16 hours per week). See MTH 4970.

Credit: 6 semester hours.

4910 Introduction to Set-Theoretic Topology

Prerequisite: MTH 3780. Basic topological concepts; continuous mappings; connectedness and compactness; metric spaces.

Credit: 3 semester hours.

4920 Elementary Number Theory

Prerequisite: MTH 3780. Theory of Congruences; Diophantine equations; quadratic residues; properties of number theoretic functions. *Credit:* 3 semester hours.

4930 Functions of a Real Variables

Prerequisite: MTH 3780. Measure theory, integration, and selected topics in real analysis. *Credit:* 3 semester hours.

4940 Foundations of Mathematics

Prerequisite: MTH 2800. Sets of axioms and their properties; algebraic, geometric and numerical structures and their properties, Intuitionism, Formalism. *Credit:* 3 semester hours.

4950 Concepts of Geometry

Prerequisite: Consent of instructor. Axiomatic systems, projective, affine, Euclidean and non-Euclidean geometries. For mathematics or education majors with department approval. *Credit:* 3 semester hours.

4953 Independent Study

Prerequisite: MTH 3780 or consent of instructor. Guided research and reading on an individual basis. Students must submit to the Chair of the department for approval, prior to registration, an outline of subject areas to be researched or read, as well as written acceptance of a faculty member of their choice. For senior mathematics majors with departmental approval. *Credit:* 1 to 3 semester hours.

4960 Theory of Probability

Fundamentals of probability theory with emphasis on finite sample spaces. Combinatorics, random variables, distributions, limit theorems, introduction to stochastic processes. *Credit:* 3 semester hours.

4990 Senior Seminar

Prerequisite: MTH 3780 or consent of instructor. Reading and discussion of topics in current mathematics emphasizing the unification of the student's previous coursework. Term project. *Credit:* 3 semester hours.

Computer Science Course Offerings (CSC)

1000 Introduction to Computing for the Liberal Arts

Computers for the non-specialist with an emphasis on microcomputers. Hardware and software principles; elementary programming in a current language; computer applications involving word processing, spreadsheets, database; personal and social impact of computers. *Not applicable to the CSC major sequence.* *Credit:* 3 semester hours.

1010; 1015 Computer Programming with Applications I; II

Prerequisite: CSC 1010 is a prerequisite for CSC 1015. Basic computer concepts. Programming of numeric and nonnumeric problems, computer application in various disciplines. *Credit:* 3 semester hours.

1020 Principles of Computer Science

Prerequisite: CSC 1000 or permission of instructor. The study of selected software packages to explore the capabilities of computer systems. Advanced Windows programs, database management systems, network and Internet software and elementary programming. *Credit:* 3 semester hours. (Staten Island)

1350 Commercial Computing

Prerequisite: CSC 1020. Applications of computer techniques to problems from business. The COBOL programming language; sorting, credit card billing, information retrieval, linear programming, inventory control, and queuing, sequential files, sorting and merging, table processing. *Credit:* 3 semester hours. (Staten Island)

1390 Computer Programming with Calculus Application

Prerequisite: MTH 1730. *Corequisite:* MTH 1740. Development of basic programming skills with an emphasis on calculus-related algorithms. Introduction to numerical analysis. *Credit:* 3 semester hours.

1400 Computer Science I

Prerequisites: CSC 1010 or 1390 and MTH 1740. Fundamentals of computing; Von Neumann architecture; program design, testing, correctness; object-oriented programming using the C++ programming language; program efficiency. *Laboratory, 1 hour. Credit:* 3 semester hours.

1410 Computer Science II

Prerequisite: CSC 1400. Object-oriented programming, problem correctness, algorithm analysis developed further; introduction to data structures-linked lists, stacks, queues, trees and graphs; overview of operating systems, distributed computing and databases. *Laboratory, 1 hour. Credit:* 3 semester hours.

1470 Advanced Programming

Prerequisite: CSC 1410. Design and implementation of large-scale systems. Documentation, testing and debugging techniques. Top-down structured programming and object-oriented programming and design. *Credit:* 3 semester hours. (Staten Island)

2370 Data Communications

Prerequisite: MTH 1740. Overview of data communications, networking, communications architecture and standards, data transmission, data encoding; digital data communications techniques; data link control; networking techniques; packet switching; protocols and architecture; and selected topics. *Credit:* 3 semester hours.

2420 Logical Design and Computer Architecture

Prerequisite: CSC 1410. Number systems and codes; number representation and arithmetic. Basic logic design; combinational and sequential circuits; Boolean algebra; minimization techniques for completely and incompletely specified problems; introduction to computer architecture. *Credit:* 3 semester hours.

2430 Computer Organization

Prerequisite: CSC 1410. Machine and assembly languages; discussion of systems programs, including compilers, assemblers, loaders, editors and interpreters. *Credit:* 3 semester hours.

2440 Compiler Design

Prerequisite: CSC 2430. Compiler construction; symbol tables, lexical scanning, syntax analysis, memory allocation, object code generation, optimization techniques and interpreters. *Credit:* 3 semester hours.

2450 Programming Languages

Prerequisite: CSC 1410. Formal concepts and structures of programming languages with practice in different types of languages. *Credit:* 3 semester hours.

2460 Simulation

Prerequisite: CSC 1410. Generation of random numbers and variates; deterministic and probabilistic models; computer modeling and simulation systems with applications in selected areas. *Credit:* 3 semester hours.

2470 Operating Systems

Prerequisite: CSC 1410. Aspects of operating systems; memory managements and resource allocation, virtual memory, paging and segmentation, multiprogramming, scheduling, interrupt handling, thrashing, deadlock detection and prevention, and cache memory. *Credit:* 3 semester hours.

2480 Algorithms and Data Structures

Prerequisite: CSC 1410. Data and its representation; advanced treatment of the properties, applications and implementation of linear and non-linear linked lists, strings, arrays, stacks, queues, trees, graphs, algorithms for sorting, searching and hashing. Applications. *Credit:* 3 semester hours.

2490 Databases

Prerequisite: CSC 2480. Relational, hierarchical and network data base systems; file organization and access techniques; query and update languages; data security and integrity. *Credit:* 3 semester hours.

2500 Data Security and Cryptography

Prerequisite: CSC 1400. Methods for maintaining security and integrity of computer data; mathematical treatment of contemporary topics in cryptography; overview and selected topics in data security. *Credit:* 3 semester hours.

2640 Networking I–TCP/IP

Prerequisite: CSC 1020. An introduction to the TCP/IP protocols and the principles of networking. Topics include: ARP, RARP protocols; the IP addressing scheme; routing in networks; the UDP, TCP, ICMP protocols; subnet and supernet addressing extensions; internet multicasting; client-server model: TCP/IP over ATM; the Domain Name Service; applications such as FTP, SMTP, SNMP. *Credit:* 3 semester hours. (SI)

2650 Networking II–UNIX

Prerequisite: CSC 2640. The UNIX operating system including the UNIX filesystem, an introduction to the shell, UNIX commands, the X-windows system, installation of UNIX, day-to-day operations of a Unix system and managing user accounts. *Credit:* 3 semester hours. (SI)

2660 Networking III–WINDOWS NT

Prerequisite: CSC 2640. An introduction to the Windows NT architecture. *Credit:* 3 semester hours. (SI)

2690 Internet Programming

Prerequisite: CSC 1400. World Wide Web programming including HTML, CGI programming; perl and Java. *Credit:* 3 semester hours. (SI)

2720 Computability and Automata

Prerequisite: CSC 2450. Propositional logic, graphs and digraphs, alphabets, languages, deterministic and nondeterministic finite automata, regular expressions, language acceptors, grammars, Turing machines and computability. *Credit:* 3 semester hours. (SI)

4903 Internship in Computer Science

Restricted registration. Fieldwork (eight hours per week) where students are afforded the opportunity of working in the computer industry under the supervision and counseling of a faculty member. *Credit:* 3 semester hours. (SI)

4906 Internship in Computer Science

Restricted registration. Fieldwork (16 hours per week). See CSC 4903. *Credit:* 6 semester hours. (SI)

4990 Seminar in Computer Science

Restricted registration. Reading, discussion, and investigation of special topics in computer science. *Credit:* 3 or 4 semester hours. (SI)

Philosophy (PHI)

Major Sequence

36 semester hours including: PHI 1000C, 2200C, 3000C, 3400, 4900, three of the following four (3500, 3510, 3520, 3530), plus four electives chosen from any other PHI course offerings except PHI 2220C and PHI 2240C.

Minor Sequences

Philosophy

18 semester hours including: PHI 1000C, 2200C, 3000C; and three electives chosen from any PHI course offering except PHI 2220 and 2240.

Philosophy of Science

18 semester hours including: PHI 1000C, 2200C, 3000C, 3800; and two of the following: PHI 2320, 3810, 3820, 3720.

Philosophy of Law

21 semester hours including: PHI 1000C, 2200, 3000C, 3400, 3650; and two of the following: PHI 3420, 3540, 3660, 3740, and CLS 2600.

Philosophy Course Offerings (PHI)

1000C Philosophy of the Human Person

An investigation of the general question “What does it mean to be a human person?” Special emphasis on the nature of human freedom, consciousness and cognition, and the origin and significance of life. Central to the course will be a discussion of the spirituality, immortality and dignity of the human person. The course begins with an introduction to philosophy and to critical thinking. *Credit:* 3 semester hours.

2200C Ethics

Prerequisite: PHI 1000C. Human happiness and the essential means of achieving it; universal and objective morality vs. relativism and subjectivism; principles used in formulating a rational moral judgment; the functions of law and the conscience; prudence and the moral virtues as the heart of the moral life. *Credit:* 3 semester hours.

2220C Ethics and Business

Prerequisite: PHI 1000C. The development of the general principles of the moral life in regard to happiness and the means to attain happiness. The objective moral principles which impact on one's life in its various dimensions personal, familial, social and political. Special emphasis is placed on the application of ethical principles to accounting, economics, finance, management, and marketing. *Open to The Peter J. Tobin College of Business students only.* *Credit:* 3 semester hours.

2240C Ethics and Health Care

Prerequisite: PHI 1000C. A discussion of the nature of human happiness and the development of moral principles and their impact on one's life in its various dimensions: personal, familial, social, political and professional. The application of these principles to ethical issues as they arise in medical practice and the practice of pharmacy. *Credit:* 3 semester hours.

3000C Metaphysics

Prerequisite: PHI 1000C. An introductory course which attempts to articulate ultimate principles of knowing and being. Central questions to be considered are: Is there evidence of God's existence and correspondingly, is there a solution to the problem of evil? Does human cognition permit of ultimate foundations? Is nature teleological and if so can it serve as an objective standard of value? The course also considers traditional metaphysical aspirations in the context of contemporary challenges from the physical and social sciences. *Credit:* 3 semester hours.

2320 Science and Religion:

A Philosophical Analysis

Prerequisites: PHI 1000C and three credits in the physical/biological sciences. A study of the relation between science and religion through an examination of the criteria for determining the optimal interrelation, their historical interactions and current debates concerning their interconnection. *Credit:* 3 semester hours.

2330 Introduction to Feminist Philosophy

Prerequisite: PHI 1000C. A general introduction to both the past history as well as current concerns of feminist theory. The readings for the course will cover classic feminist texts (Wollstonecraft, Mill, Engels) as well as contemporary Feminist thinkers, covering questions about the experiences of women in the treatment of methodology, metaphysics, theory of knowledge, philosophy of science, and philosophy of mind. *Credit:* 3 semester hours.

3400 Introduction to Logic

A study of the elementary and advanced forms of deductive argumentation in both traditional logic and the modern logic of propositions. *Credit:* 3 semester hours.

3420 Informal Logic

Application of principles of logic to law, politics, arts, science, advertising, ethics and media. Special emphasis on developing skill of detecting informal fallacy. *Credit:* 3 semester hours.

3500 History of Ancient Philosophy

A survey of ancient Greek philosophy from its origin up to the 4th century A.D. Emphasis is on pre-Socratic period, Plato, Aristotle, Scepticism, Epicureanism, Stoicism and neo-Platonism. *Credit:* 3 semester hours.

3510 History of Medieval Philosophy

A survey of the development of medieval philosophy with special emphasis on the principal philosophers: St. Augustine, St. Anselm, St. Bonaventure, St. Thomas Aquinas, John Duns Scotus and William of Ockham. *Credit:* 3 semester hours.

3520 History of Modern Philosophy

Prerequisite: PHI 3000C or permission of instructor. An examination of the central epistemological and metaphysical issues of modern philosophy. *Credit:* 3 semester hours.

3530 History of Contemporary Philosophy

Prerequisite: PHI 3000C or permission of instructor. The development of modern contemporary philosophical thought from Hegel to the present. The fundamental views of such 20th century thinkers as Heidegger, Sartre, Husserl, Russell, Moore, Ayer, Popper, Gilson, Maritain, Wittgenstein and Rorty are introduced. Various philosophic methods and models are analyzed. *Credit:* 3 semester hours.

3540 American Philosophy

Prerequisite: PHI 3000C. The classic expressions of the American Pragmatic movement in the writings of C.S. Peirce, William James, and John Dewey are presented with reference to cultural context and subsequent developments. (e.g. Founding Fathers, Emerson, Thoreau, Henry James, Martin Luther King, Jr., Richard Rorty). *Credit:* 3 semester hours.

3550 Existentialism

Prerequisite: PHI 3000C. A general survey of the history and the main themes of the Existentialist movement; an analysis of relevant texts by major existentialist philosophers and an attempt at constructing an existentialist philosophy of person. *Credit: 3 semester hours.*

3560 Themes in the Philosophy of Aquinas

Prerequisite: PHI 3000C. A critical examination of the philosophy of St. Thomas Aquinas based on texts which illustrate the scope and originality of his thought. *Credit: 3 semester hours.*

3570 Personalism

Prerequisite: PHI 2200. This course explores some of the leading personalist philosophers of the past one hundred years such as Martin Buber, John MacMurray, Emmanuel Mounier, and Gabriel Marcel. Jacques Maritain's view of person is also discussed. There is an in depth discussion of love, fidelity, promises, vows and the possibility of a life commitment. *Credit: 3 semester hours.*

3580 Major Women Philosophers of the 20th Century

Prerequisite: PHI 1000C. This course examines the philosophical perspectives of Edith Stein, Hannah Arendt, Simone de Beauvoir, Ayn Rand, Iris Murdoch and Martha Nussbaum. Discussions include their roles in the history of philosophy and contributions to feminist thought. *Credit: 3 semester hours.*

3590 Confucianism and Taoism

Prerequisite: PHI 3000C. Readings of texts in Confucianism and Taoism that have shaped the philosophical traditions in China, Korea and Japan. Topics explored include the dignity and moral destiny of the person, the unity and harmony between humans and nature and the aesthetic and religious components in human experience. *Credit: 3 semester hours.*

3600 Problem of God

Prerequisite: PHI 3000C. The background, beginning with the 17th century, of present-day opinion concerning the existence of God; the nature of a realistic philosophy of God; the examination of proofs of God's existence; a study of influential atheists and a presentation of a contemporary philosophy of God. *Credit: 3 semester hours.*

3610 Philosophy of Religion

Prerequisite: PHI 3000C. This course compares and contrasts the metaphysical foundations of religion as they are found in perennial, modern, and contemporary philosophies. *Credit: 3 semester hours.*

3630 Epistemology

Prerequisite: PHI 1000C. An examination of the fundamental nature of human knowledge—its mode of existence, sources and validity. Classical, modern and contemporary approaches to knowledge are addressed. *Credit: 3 semester hours.*

3640 Aesthetics

Prerequisite: PHI 1000C. A philosophical investigation into the meaning of the transcendental beauty. The nature, principles and end of artistic work as it relates to society, as well as the role of artist and aesthete. *Credit: 3 semester hours.*

3650 Philosophy of Law

Prerequisite: PHI 3000C. A critical examination of the central issues in contemporary legal philosophy. Major themes include: the nature of legal reasoning; the relationship of law and morality; the recent development of legal hermeneutics, and the justification of punishment. A central concern of the course is to understand how legal institutions evolve, an evolution which is both faithful and yet progressively responsive to Constitutional ideals. *Credit: 3 semester hours.*

3660 Political Philosophy

Prerequisite: PHI 2200. An investigation of the standards and procedures for political legitimation, including an analysis of the following: the common good of the political community, the greatest good for the greatest number, the promotion of virtue, and agreement resulting from a social contract or ideal discourse. Special attention is given to an examination of the nature, function, and justification of "rights." *Credit: 3 semester hours.*

3670 Modernity in Crisis

Prerequisite: PHI 2200C. In a world described as postmodern, a world increasingly marked by violence and irrationality, the traditional philosophical search for meaning and ethical value, and the ideas of truth and rationality have been called into question. This course examines the response to this crisis by recent Continental thought. *Credit: 3 semester hours.*

3700 Contemporary Moral Problems

Prerequisite: PHI 2200. The response to authentic moral values in man's inter-personal existential encounter with modern life and its moral problems. Among the topics treated are: the dignity of the human being, sex, abortion, birth control, sterilization, lying, racial discrimination, free speech, labor unions, Socialism, Communism, war and peace. *Credit: 3 semester hours.*

3710 Medical Ethics

Prerequisite: PHI 2200. A critical analysis of current problems in social and medical ethics, with an effort to resolve these problems where possible in the light of a realistic ethical and social philosophy. *Credit: 3 semester hours.*

3720 Environmental Ethics

Prerequisite: PHI 2200. A philosophical investigation of the environment and its relationship to the human person. Special emphasis is placed on the moral issues that arise from that relationship such as the moral standing of non-humans and the responsibility of the present generation to future generations. *Credit: 3 semester hours.*

3740 Social Justice

Prerequisite: PHI 2200. An investigation of social justice issues in the contemporary postmodern world. The course discusses how various philosophical theories and historical perspectives can aid or distort our understanding of social justice and its concretization. *Credit: 3 semester hours.*

3800 Philosophy of Science

Prerequisite: PHI 3000C and three credits in the physical/biological sciences. The logic and methodology of science with special emphasis on the theory ladenness of observation, the nature and structure of scientific theories and the verification/falsification of laws and theories. *Credit: 3 semester hours.*

3810 Philosophy of Physical Sciences

Prerequisite: PHI 3000C and three credits in the physical/biological sciences. A study of the fundamental philosophical issues that have arisen in the history of physics, astronomy and cosmology. *Credit: 3 semester hours.*

3820 Philosophical Issues in Biology

Prerequisites: PHI 3000C, and three credits in the physical/biological sciences. An issue-oriented investigation of the methods and results of the science of biology. Among the issues discussed are the fact of evolution, theories of evolution, teleological explanations, reductionism and organism, taxonomy and the uniqueness of method in biology. *Credit: 3 semester hours.*

3900 Philosophy of Literature: Meaning, Mystery and Metaphysics in the Catholic Novel

Prerequisite: PHI 1000C. A philosophical probe into the nature of meaning, mystery and metaphysics in relation to the truth contained in literature, more specifically stories and most specifically the Catholic novel. The course explores the philosophical outlook of novelists such as Graham Greene, Evelyn Waugh, Francois Mauriac, George Bernanos, Walker Percy, Morris West and Flannery O'Connor. *Credit: 3 semester hours.*

3910 Philosophy of Language

Prerequisite: PHI 3000C. An introductory course covering such topics as the ideational, referential and behavioral theories of linguistic meanings; translation and indeterminacy; realism and anti-realism. Special concerns of this course are the relationship between language and mind; the relationship between semantics and pragmatics. *Cf. LIN3910. Credit: 3 semester hours.*

3920 Philosophy and Film

Prerequisite: PHI 1000C. An exploration of the philosophy of person and the philosophy of God through the medium of film classics. *Credit: 3 semester hours.*

4953 Reading and Research

Restricted registration. Guided research and reading for the special needs of an individual student which cannot be met by regular scheduled course offerings of the Department. Prior to registration, the student must submit to the Department Chair a written outline of the area(s) to be researched or read, together with the written acceptance of the project by a faculty member of the department. *Open only to juniors and seniors. Approval of the Department Chair is required. Credit: 3 semester hours.*

4990 Seminar in Philosophy

Prerequisite: PHI 3000C. *Credit: 3 semester hours.*

Physics (PHY)

Major Sequences

Physics

31 credit hours of physics, including: PHY 1930, 1940, 1950, 1970, 2460, 3210, 3221 and 3330, and two elective upper level courses within the department. PHY 1950 is waived for students having a prior calculus course. PHY 1610-1620 may be substituted for PHY 1930-1940 with permission from the Department Chair.

At least 15 credit hours in mathematics, MTH 1730, 1740, 2750, and 3840. Elective courses in mathematics and computer science are recommended.

Mathematical Physics

23–26 credit hours of physics including: PHY 1930, 1940, 1950, 1970, 2460, 3210, 3310, and 3330. PHY 1950 is waived for students having a prior calculus course. College Physics I–II (PHY 1620–1630) may be substituted for PHY 1930–1940 with permission from the physics chairperson.

At least 19 credit hours in mathematics and computer science, including MTH 1730, 1740, 2750 and 2760, and CSC 1390.

At least one elective upper level course in mathematics or physics approved by the advisor.

Physical Science

37 semester hours including: PHY 1930, 1940, 1950, 1970, and 23 elective credits approved by the department. PHY 1950 is waived for students having a prior calculus course.

Engineering and Physical Science

The Engineering Program is a five-year curriculum offered jointly by St. John's University and Manhattan College. The first three years of pre-engineering studies are taken at St. John's University. Students attaining a minimum quality point index of 2.5 and other requirements are then admitted to Manhattan College for the last two years of engineering studies in any of the undergraduate curricula. Both a B.S. degree from St. John's and a B.E. degree from Manhattan College are awarded when the student successfully completes the program.

During their first three years candidates complete general requirements for a Bachelor of Science degree and the following: PHY 1930, 1940, 1950, 1970, 2110, 2150, 3221, 3510; CSC 1010 or 1390, MTH 1730, 1740, 2750 and 3840; PHY 1950 is waived for students having a prior calculus course. A few additional courses (usually two or three) will be specified by the Physics Department in accordance with the student's preparation and

chosen engineering discipline. It may be necessary for students to take summer courses to complete the program in five years.

To assure an orderly sequence of studies, students must have the approval of the Physics Department for each semester's courses. Some modifications of the requirements can be accepted when approved by the Physics Department and by Manhattan College.

Biomedical Engineering and Physical Science B.S./M.S. Sequence

The Biomedical BS-MS curriculum is a five-year sequence offered jointly by St. John's University and Polytechnic University. The first three years of scientific fundamentals are completed at St. John's College on the Queens campus only. Candidates who attain a 3.0 average or better then transfer to the graduate Biomedical Engineering Program at Polytechnic University to complete two years of graduate study. Upon successfully completing the program, the student receives a B.S. degree from St. John's University and an M.S. degree from Polytechnic University. For additional program information, consult the Physics section of this bulletin.

During the first three years candidates complete core requirements for a Bachelor of Science degree and the following: PHY 1930; 1940, 1970, 2150, 3100, MTH 1730; 1740, BIO 1210; 1220, and CHE 1110; 1120; 1130 or CHE 1210; 1220; 2230; 2240, and two elective courses approved by the department. PHY 1950 is waived for students having a prior calculus course.

To assure an orderly sequence of studies, students must have the approval of the Physics Department for each semester's courses. Some modifications of the requirements can be accepted when approved by the Physics Department and Polytechnic University.

Physical Science Certificate Program

The Physical Science Certificate Program is a two-year sequence that provides flexible options for the student interested in engineering, physics, or mathematics. The program is intended to provide the first two years toward a degree in engineering, physics, or mathematics. Students attaining a minimum quality point index of 2.5 and 62 credits of course requirements are awarded the Physical Science Certificate. This certifies that the student is prepared to continue with several options:

- (1) Continue at St. John's University to complete a B.S. degree in physics, physical science, mathematical physics, or mathematics;
- (2) Transfer into the third year of an engineering college and complete an engineering degree;

- (3) Continue in St. John's 3–2 engineering program and receive two degrees, a B.S. in physical science from St. John's College and a B.E. degree from the engineering school.

Candidates take 18 credits of Core requirements and the following: PHY 1930, 1940, 1950, 1970, 2110, 2150, 3210, 3230; CSC 1010 or 1390, MTH 1730, 1740, 2750, 2760. PHY 1950 is waived for students having a prior calculus course. Additional courses will be specified by the Physics Department in accordance with the student's preparation and career interest.

To assure an orderly sequence of studies, students must have the approval of the Physics Department in St. John's College for each semester's courses. Some modifications of the requirements can be accepted when approved by the department.

Minor Sequence

16 semester hours including: PHY 1610, 1620 or PHY 1930, 1940 with remaining credits from PHY courses selected under department advisement.

Physics Course Offerings (PHY)

1020 Physics in Words and Pictures

A survey of modern physics without math. Words and pictures illustrate our current concepts of the laws of nature. These are used to explain various everyday phenomena, the scientific view of the cosmos, and elements of modern technology. *No prior study of physics is required. Credit: 3 semester hours.*

1030 Principles of Contemporary Science

A non-mathematical treatment of the fundamental scientific principles of the physical world; the nature of matter and energy, atoms and nuclei; fundamentals of our knowledge of the earth and the universe; influence of natural sciences on human thought and society. *No prior study of physics is required. Credit: 3 semester hours.*

1060 Introduction to Astronomy

A non-mathematical perspective of astronomy: solar system, stars and their evolution, nebulae and supernovae, galaxies and the universe. *No prior study of physics is required. Credit: 3 semester hours.*

1080 Our Planet

An integrated, descriptive study of our planet, stressing the principles of plate tectonics. The topics include the origin and history of the earth, volcanoes and earthquakes, continental drift, environmental geology and astrogeology. *No prior study of physics required. Credit: 3 semester hours.*

1090 The Science of Weather

The structure of Earth's atmosphere and its energy exchanging processes. Cloud formation, air-masses, cyclones and anticyclones; thunderstorms, tornadoes and hurricanes. Weather prediction and modification. *No prior study of physics required. Credit: 3 semester hours.*

1120 Energy and Environment

A comprehensive study of energy production, distribution, and consumption. Physical principles and technological problems. Environmental aspects; energy crisis, past and future. Future energy sources and their management. *No prior study of physics required. Credit: 3 semester hours.*

1140 Introduction to Space Science

A survey of man's exploration of space. Principles of rocketry and spaceflight. Artificial satellites, deep space probes and exploration of planets. Manned space flight. Future spaceships, space-stations, colonies in space. *No prior study of physics required. Credit: 3 semester hours.*

1170 Universe: Introduction to Scientific Cosmology

Relativity theory and the description of gravity as a space-time warp; Big Bang cosmology and the expanding universe; the formation of galaxies and stars; gravitational collapse and black holes. *No prior study of physics required. Credit: 3 semester hours.*

1210 Planet Earth-Form and Structure

Earth's continents, oceans and abundant surface features are interpreted in terms of the planet's turbulent but orderly interior. Earth is treated as a dynamic system. *Credit: 3 semester hours.*

1220 Planet Earth-Historical Geology

Evolution of the earth through time as revealed in fossils, rocks, radioactive materials and other evidence. The planet's history is reconstructed from these clues. *Credit: 3 semester hours.*

1430 Introduction to Physics

A survey of mechanics, including falling body and collision problems; an introduction to gases, fluid flow, heat, sound and light. Problem-solving is limited to simple algebra. Applications to biology and medicine. *Credit: 3 semester hours.*

1440 Physics Theory I

Prerequisite: Calculus. An introductory course in the study of the basic theories in classical mechanics, work and energy, heat, sound and wave mechanics. Basic principles and concepts are stressed over applications. *Open to non-science majors only. Credit: 4 semester hours.*

1450 Physics Theory II

Prerequisite: PHY 1440. A continuation of Physics Theory I, introducing the basic theories of light, optics, electricity, magnetism and atomic and nuclear physics. Basic principles and concepts of classical and modern physics are stressed throughout. *Open to non-science majors only. Credit: 4 semester hours.*

1520 Earth Science

An integrated study of the basics of astronomy, physical geography, cartography, meteorology and oceanography. *Credit: 3 semester hours.*

1530 Time Traveling (Mini-Course)

A survey of time including: the dawn of time; laws linking past, present and future; aging and time's arrow; stargazing into the past; freezing time; the quantum cat and time travel in the many-worlds interpretation; slowing time with speed and gravity; time reversal and antimatter. *No prior study of physics is required. Not applicable to major sequence. Credit: 3 semester hours.*

1610; 1620 College Physics I; II

Prerequisite: PHY 1610 is a prerequisite for PHY 1620. Corequisite: PHY 1611 Laboratory and PHY 1612 Recitation are corequisites for PHY 1610. PHY 1621 Laboratory and PHY 1622 Recitation are corequisites for PHY 1620. First Semester: An introduction to mechanics, heat, waves and sound. Second Semester: An introduction to optics, electricity and magnetism, atomic and nuclear physics. Appropriate for biology majors. Not open to chemistry, physics or mathematics majors in St. John's College. Lecture, 3 hours. Laboratory, 2 hours. Recitation, 1 hour. Credit: 4 semester hours per semester. Laboratory fee, \$25 per semester.

1930; 1940 University Physics I; II

Prerequisite: PHY 1930 is a prerequisite for PHY 1940. Corequisite: PHY 1950 or MTH 1730. PHY 1931 Laboratory and PHY 1932 Recitation are corequisites for PHY 1930. PHY 1941 Laboratory and PHY 1942 Recitation are corequisites for PHY 1940. First Semester: Fundamentals of mechanics, heat, fluids, wave-motion and sound, utilizing calculus. Second Semester: Fundamentals of optics, electricity and magnetism, atomic and nuclear physics, utilizing calculus. Lecture, 3 hours. Laboratory, 2 hours. Recitation, 1 hour. Credit: 4 semester hours per semester. Laboratory fee, \$25 per semester.

1950 Mathematics for Physical Science

Corequisite: PHY 1952 Recitation. Analytic geometry, differential and integral calculus applied to physics and engineering. *Lecture, 3 hours. Recitation, 1 hour. Credit: 3 semester hours.*

1970 Introduction to Modern Physics

Corequisite: PHY 1620/1940, and 1972 Recitation. The structure and properties of atoms, molecules, and nuclei, X-rays, gamma-rays, natural and artificial radioactivity. Nuclear fission and fusion, nuclear energy production; special relativity and elementary particles. *Lecture, 3 hours. Recitation, 1 hour. Credit: 3 semester hours.*

2110 Engineering Mechanics

Prerequisite: PHY 1620 or 1940. Corequisite: PHY 2112 Recitation. Statics; including vector formulations, trusses, and distributed loads. Basic kinematics and dynamics of particles, systems of particles, and rigid bodies; work and energy; impulse and momentum; conservation laws. Emphasis on engineering applications. *Lecture, 3 hours. Recitation, 1 hour. Credit: 3 semester hours.*

2150 Thermodynamics

Prerequisite: PHY 1620 or 1940. The study of heat, work, and the various forms and transformations of energy. The First and Second Laws of Thermodynamics applied to engines, phase transformations, chemical reactions, and radiation. An introduction to statistical mechanics. *Credit: 3 semester hours.*

2460 Analytical Mechanics

Prerequisite: PHY 1620 or 1940 and calculus. The fundamentals of classical mechanics. Topics include motion of a particle, conservation of energy, momentum and angular momentum, Lagrange and Hamilton equations, configuration and phase space, orbital mechanics. *Credit: 3 semester hours.*

3100 Biological Physics

Prerequisites: PHY 1620 or 1940 and calculus. The physical laws most relevant to life. Energy and its transformation in organisms; Information and the programming of life processes; Entropy and the creation of order by living systems; Quantum mechanics and its role in chemistry and in the mutability and permanence of life. *Credit: 3 semester hours.*

3210; 3220 Electricity and Magnetism I; II

Prerequisite: PHY 1620 or 1940. PHY 3210 is a prerequisite for PHY 3220. Corequisite: MTH 2760. First semester: The study of electrostatics, conductors and dielectrics, using vector algebra and calculus; direct currents and circuit analysis. Second semester: Magnetism, electromagnetic induction, alternating currents; Maxwell's equations, electromagnetic waves. Credit: 3 semester hours.

3221 Electricity and Magnetism Laboratory

Prerequisite: PHY 3210. Selected experiments demonstrating the principles and applications of electricity and magnetism. *Laboratory, 4 hours. Credit: 2 semester hours. Laboratory fee, \$25.*

3240 Basic Electronics

Prerequisite: PHY 1450 or 1600 or 1620 or 1940. Corequisite: PHY 3241 Laboratory. An introduction to the principles of electrical measurements and electronics. The use and operation of vacuum tubes and transistors, amplifiers, rectifiers, oscillators and modulators. Application to instrumentation in both physical and bio-medical fields, including transducers, recorders and read-out devices. *Lecture, 3 hours. Laboratory, 2 hours. Credit: 4 semester hours. Laboratory fee, \$25.*

3250 Optics

Prerequisites: PHY 1620 or 1940 and calculus or PHY 1950. The optics of lenses and mirrors, cameras, corrective lenses, telescopes, magnifiers, microscopes. Wave theory of light, with applications: interferometry, diffraction patterns, polarization, spectroscopy, dispersion, fiber optics, holography. *Credit: 3 semester hours.*

3251 Optics Laboratory

Corequisite: PHY 3250. Selected experiments in Optics. *Laboratory, 4 hours. Credit: 2 semester hours. Laboratory fee, \$25.*

3270; 3280 Atomic and Nuclear Physics I; II

Prerequisite: PHY 3270 is a prerequisite for PHY 3280. Corequisite: PHY 3210 and 3220 or permission of the instructor. Structure and properties of atoms, molecules, and nuclei; foundations of Quantum Theory and the Theory of Relativity; emission and absorption of radiation; foundations of Solid State Theory; radioactivity, fission, fusion, Elementary Particle Theory. *Credit: 3 semester hours.*

3291 Atomic and Nuclear Physics Laboratory

Corequisite: PHY 3270. Selected experiments in atomic and nuclear physics. *Laboratory, 4 hours. Credit: 2 semester hours. Laboratory fee, \$25.*

3310 Methods of Theoretical Physics

Prerequisite: PHY 1940, MTH 1730.

Corequisite: MTH 1740. Selected mathematical methods used in theoretical physics. Complex variables; Fourier Series; Laplace Transformation; vectors, matrices and eigenvalue problems.

Applications to ordinary and partial differential equations. *Credit: 3 semester hours.*

3330 Quantum Theory

Prerequisite: PHY 3270. *Corequisite:* MTH 2760. Description of atomic systems by state vectors; probability amplitudes, superposition and interference; matrices and operators. Topics include: the wave and matrix formulations of quantum physics, commutation relations, symmetries and conservation laws; angular momentum and spin, perturbation theory, and applications. *Credit: 3 semester hours.*

3510 Electrical Systems

Prerequisites: PHY 1940 or PHY 1620, and MTH 1740. This is the foundation course for analyses of electrical circuits. Topics include mesh analysis, node analysis, Thevenin's theorem, Norton's theorem, and superposition. Applications are made to direct current circuits. Transient dynamics and alternating current circuits are introduced and analyzed. *Credit: 3 semester hours.*

3520 Networks

Prerequisite: PHY 3510. This is the basis for most advanced courses in electrical engineering. It is divided into two parts: Part 1 deals with ac circuits, impedance, phasors, sinusoidal steady-state analysis, ac power, rms values, three phase systems, and frequency response. Part 2 is devoted to advanced techniques for network analysis. It provides an introduction to the Laplace transform, Fourier series, the Fourier transform, and two-part network analysis. *Credit: 3 semester hours.*

3900 Special Topics

Advanced or contemporary topics announced each semester. Topics may include: Lagrange and Hamiltonian Dynamics, Information Theory and Statistical Physics, Methods of Quantum Physics, Fundamental Particle Physics and Solid State Physics. *These and other special topics require department approval. Credit: 3 semester hours.*

4350 Seminar

Credit: 2 or 3 semester hours.

4953 Independent Study

Restricted registration. Guided reading and investigation of an area of science of special interest to a student and faculty member. *Before registering for this course a student must obtain assurance of a faculty member's supervision. Credit: 2 to 4 semester hours.*

Psychology (PSY)

Students are required to take all courses in the psychology major in the Psychology Department of St. John's College once they declare the major.

Major Sequence

38 semester hours including: PSY 1000, 2030, 2040, 2150, 3260, 3800, 4990. In addition, majors must choose one course from each of the groupings below:

Group 1–Abnormal/Personality/ Social Psychology

PSY 2200, 2210, 2220, 3320

Group 2–Developmental Psychology

PSY 2070, 2080, 2090

Group 3–Experimental Psychology

PSY 3270, 3280, 3290

Majors must also choose two elective courses from the remainder of the department's course offerings (including those not selected from the three-course groupings listed above).

Students wishing to pursue graduate training in psychology should take PSY 3040 (Experimental Psychology Laboratory) as one of their electives. Psychology majors are required to take PSY 1020 and 2030 as their first two courses. PSY majors are urged to take BIO 1050 and 1060 as well as PHI 3800 and elective credits in related social sciences, ANT 1010 or SOC 1010, for example.

It is advantageous for the student wishing to pursue graduate work in psychology to have completed or be in the process of completing all the required courses by the fall semester of the senior year when the GRE is usually taken. In addition, it is advisable for students wishing to pursue graduate work in psychology to accelerate the major sequence and elect more than the minimum number of credits in the major, but not to exceed 12 credits above the minimum credits required.

B.A./M.A.

Students admitted into the accelerated B.A./M.A. program in psychology take, in addition to their liberal arts core requirements and B.A. free electives, 28 undergraduate and 15 graduate courses in psychology and three graduate credits outside of the department. In their fifth year, students pursue full-time graduate work completing the balance of credits necessary to meet all degree requirements. Eligibility requires a 3.5 cumulative index with a 3.5 index in PSY. For additional program information consult the St. John's University Graduate Bulletin.

Minor Sequence

18 semester hours: PSY 1000; two courses from PSY 2030, 2040, 2150, 3260, 3270, 3290, 3800; two courses from 2070, 2080, 2090, 2200, 2210, 2220, 2230 and one additional course from among the courses offered by the department. Students are required to take all courses in the psychology minor in the Psychology Department of St. John's College once they declare the minor.

Requirements for the Interdisciplinary Certificate in Human Resource Leadership

(31 Credits) PSY 1000C, 2030 and 2030L, 2210, 3260, 3320, 3330, 4903, and SOC 1140, SOC 3650, SPE 2025.

Psychology Course Offerings (PSY)

Introductory

1000 Introductory Psychology

An introduction to scientific psychology and its methods. The course presents a survey of the major areas within the discipline of psychology, including the psychology of personality, abnormal behavior, learning, sensation and perception, social processes, states of consciousness, individual differences, thinking, language and human development. *Credit: 3 semester hours.*

Research Methods

2030 Statistical Methods for the Social Sciences

Methods for describing and evaluating research data including measures of central tendency, dispersion, relationships and hypothesis testing by means of t-tests, Chi Square tests, analysis of variance and some non-parametric tests. A laboratory will accompany this course giving students experience using statistical software. This course should be taken the first semester after declaring the psychology major. *Credit: 4 semester hours.*

2040 Research Methods in Psychology

Prerequisites: PSY 1000 and 2030. An overview of the methods and procedures of psychological science. Observational, survey, correlational, experimental and quasi-experimental approaches to research are covered. The application of theory and hypothesis to the design and analysis of research is stressed. Practicum work focuses on studies of human behavior and how to write research reports using the style manual of the American Psychological Association. *This course should be taken in the semester following the completion of PSY 2030. Credit: 4 semester hours.*

3040 Experimental Psychology Laboratory

Prerequisite: PSY 2040. Student experimentation and supervised research; group projects involving original research; participation in ongoing research projects. *Laboratory, 6 hours. Credit: 3 semester hours.*

3260 Introduction to Psychological Measurement

Prerequisites: PSY 1000 and 2030. An overview of basic principles of measurement theory with emphasis on psychological testing. *Credit: 3 semester hours.*

Developmental Psychology

2050 Educational Psychology

A study of intellectual functioning, individual differences, problems of learning and motivation. *Credit: 3 semester hours.*

2070 Child Psychology

A study of the physical, intellectual, emotional and social aspects of development through childhood, with emphasis on major developmental constructs and theories.

Credit: 3 semester hours.

2080 Adolescent Psychology

Physical, intellectual, emotional and social aspects in the development of the individual in the transitional period between childhood and maturity. *Credit: 3 semester hours.*

2090 The Psychology of Adult Development

A consideration of the years between adolescence and old age with particular emphasis on the findings of contemporary psychological research.

Credit: 3 semester hours.

Abnormal, Personality, and Social Psychology

2010 Cross-Cultural Psychology

An introduction to understanding human behavior in its socio-cultural context. The course takes a global perspective and views New York City's cultural diversity as an important resource. *Credit: 3 semester hours.*

2200 Abnormal Psychology

Prerequisite: PSY 1000. An introduction to abnormal psychology dealing with the major causes of abnormal psychological behavior and their treatments. *Credit: 3 semester hours.*

2210 Theories of Personality

An introduction to significant theories of personality and a critical evaluation of these theories. *Credit: 3 semester hours.*

2220 Child and Adolescent Psychopathology

Prerequisite: PSY 1000. This course considers the major diagnostic, etiologic and treatment issues for and psychological disorders of childhood and adolescence. The developmental course of each disorder and the role of biological, psychological and sociocultural factors and their interaction with the environment will be addressed. *Credit: 3 semester hours.*

2230 Psychology of the African American Experience

This course examines the contexts that shape the psyche of African Americans. This course examines the effect of the history of psychology and its cultural underpinnings on the psychological study and evaluation of African Americans as a distinct cultural group. The psychological residuals of involuntary immigration, slavery, segregation and

discrimination and social trauma will be explored. *Credit: 3 semester hours.*

3220 Introduction to Clinical Psychology

Prerequisites: PSY 1000 and 2220. An introduction to clinical psychology including history, development of models and their application, assessment and treatment. *Credit: 3 semester hours.*

3320 Social Psychology

Prerequisite: PSY 1000. Examines the scientific study of how real, imagined or anticipated actions or evaluations by others influence our thoughts, feelings or behavior. Topics include: the psychology of research participation, attitudes, attitude change, persuasion, conformity, compliance, stereotypes and prejudice, liking and attraction, intimate relationships, group processes, social perception and cognition, the social self, helping others, hurting others and conflict resolution. *Credit: 3 semester hours.*

3330 Industrial and Personnel Psychology

Prerequisite: PSY 1000. Psychological aspects of individual differences, efficiency, working conditions, accident prevention, human engineering, industrial mental health and counseling. *Credit: 3 semester hours.*

Experimental Psychology

2150 Physiological Psychology

Prerequisite: PSY 1000. An introduction to the anatomy and physiology of the nervous system, sensory and motor systems and endocrine system in relation to normal and abnormal behavior. *Credit: 3 semester hours.*

3270 Experimental Psychology of Learning

Prerequisites: PSY 1000 and 2030. An exposition of contemporary learning theory from the viewpoint of classical and operant conditioning, including interpretation of the role of drives and motives and concepts of generalization, discrimination, emotions, and higher forms of learning. *Credit: 3 semester hours.*

3280 Cognitive Psychology

Prerequisite: PSY 1000. Examines the scientific study of the acquisition, processing, storage, retrieval and use of information. Topics include: perception, attention, forms of memory, memory effectiveness, imagery, spatial knowledge, language, concepts, reasoning, problem solving, judging and deciding, expertise, creativity, aging and cognition and unconscious cognitive functioning. *Credit: 3 semester hours.*

3290 Experimental Psychology of Sensation and Perception

Prerequisites: PSY 1000 and 2030. *Prerequisite or corequisite:* PSY 2150. Introduction to the concepts, methods and findings of classical and modern psychophysics as they relate to providing an understanding of the sensory systems and the processing of sensory information. *Credit: 3 semester hours.*

Specialized and Advanced Courses

2100 Altered States of Consciousness and Parapsychological Events

A selective examination of research and theory concerning altered states (such as meditative and drug-induced states, dreaming, hypnosis, various kinds of "trances" and "peak

experiences"), extrasensory perception, psychokinesis and possible interrelationships of these areas. *Credit: 3 semester hours.*

3800 History and Systems of Psychology

Prerequisites: PSY 1000 and at least nine other PSY credits. The evolution of psychology from its philosophical and physiological roots to its current status as science and profession. Review of major schools and theories, contributions of noted investigators and significant advances. *Credit: 3 semester hours.*

4903 Fieldwork in Psychology

Prerequisites: At least 12 credits in PSY. Placement in a social service agency for six to eight hours per week of volunteer work. Individual and group meetings with the instructor. Social service agency includes, but is not limited to, psychiatric hospitals, institutions for the exceptional children and adult, homes for the elderly, halfway houses and crisis intervention centers. *Credit: 3 semester hours.*

4953 Independent Study

Prerequisites: PSY 2040 and permission of faculty member. Independent work in an area of the student's own selection under the guidance of a faculty member. *Credit: 3 semester hours.*

4990 Seminar

Prerequisites: PSY 2040 and at least 21 additional credits in PSY. A capstone course involving research and discussions on select psychological topics and problems. *Credit: 3 semester hours.*

Social Studies (Staten Island campus)

Students interested in pursuing this program should consult the History section of this bulletin and/or contact the Staten Island Dean's Office for details.

Sociology (SOC)/ Anthropology (ANT)

Major Sequences

Sociology

33 semester hours, including SOC 1000C, 1170, 2610, 3240, 4270, 4990; and 15 elective hours in SOC.

Sociology B.A./M.A.

Qualified students admitted to the 5-year B.A./M.A. program in SOC or the BA/MA program in Sociology and Criminology and Justice are required to complete SOC 1000C, 1170, 2610, 3240, 4270, 4990, plus a minimum of three undergraduate elective hours in SOC. The remaining 18 semester hours in SOC must include a minimum of 12 graduate credits by the end of senior year. Eligibility requires a 3.0 overall index with a 3.5 in the major. For specific master's degree program requirements, consult the St. John's University Graduate Bulletin.

Anthropology

30 semester hours, including ANT 1000, 1010, 1020, 4990, SOC 1000C, 2610, 4270 and nine semester hours in ANT.

Special Note for Double Majors

A student may major in both SOC and ANT. However, only SOC 1000C may be used to satisfy both major sequences. A double major must complete a total of 60 semester hours in SOC and ANT.

Minor Sequences

Sociology

18 semester hours, including SOC 1000C and 15 elective credits in SOC. All social science majors may satisfy the requirements for this minor with 15 credits, including SOC 1000C and 12 elective credits in SOC.

Anthropology

18 semester hours: ANT 1010 and 1020 and the remaining credits from other ANT course offerings.

Social Work

18 semester hours, including SOC 1030, 1090, 4530, and the remaining credits from other SOC offerings. Under advisement, HSE courses may apply to the minor. However, all HSE students must take SOC 1030. All social and behavioral science majors may satisfy the requirements for this minor with 15 credits in addition to their major requirements.

Sociology Course Offerings (SOC)

1000C Introduction to Sociology

The study of human interaction. The influence of groups, organizations and culture on ways of thinking, acting, feeling and on values and lifestyles. Theories and methods for analyzing social issues and predicting social trends. *Credit: 3 semester hours.*

1030 The Social Welfare System

Functions and consequences of the American social welfare system (e.g., housing, public assistance, health care, criminal justice), formulation, and evaluation of social policies. *Credit: 3 semester hours.*

1040C Social Change

Examination of the social and cultural movements that are transforming society. Current debates on feminism, postmodernism, postindustrialism, identity politics and technology are central to this course. *Credit: 3 semester hours.*

1070 Social Problems

Current social issues and policies; race relations, crime, deviance, aging, economic and political trends and their influence on social structures. Alternative strategies to confront current problems are considered. *Credit: 3 semester hours.*

1080 Neighborhoods

This course focuses on neighborhood processes of cohesion, conflict and change. Race, ethnic, religious and gender relations are also discussed. Power at local and city-wide levels and strategies of community organizations are explored. *Credit: 3 semester hours.*

1090 Introduction to Social Work

A survey of social work methods and clinical techniques for problem-solving; rational interviewing and casework, group dynamics, and community intervention. *Credit: 3 semester hours.*

1100 Sociology of Prisons

Prisons are presented within the larger social context of punishment. A comparative approach is emphasized to understand the various patterns of correctional strategies and their implications to policy and management. *Credit: 3 semester hours.*

1110 Criminology

Crime, the criminal, the criminal law and cost of crime. Criminal behavior systems. Explanations for criminal behavior; the police, the courts, probation, sentencing, punishment and parole. *Credit: 3 semester hours.*

1120 Social Psychology

Social experience and its effects on thought, feeling and behavior. *Credit: 3 semester hours.*

1140 Sociology of Work

The organization of work in industrial society, including the shape of the work force; human/technology interaction; satisfactions and dissatisfactions that result from the social structuring of experience of work. *Credit: 3 semester hours.*

1150 Sociology of the Family

This course examines the institution of marriage and the family. *Credit: 3 semester hours.*

1160 Deviant Behavior

Study of the causes of deviance, its diverse forms and patterns, reactions to deviant behavior by social controllers and others as well as consequences of deviance for victims and society. *Credit: 3 semester hours.*

1170 Inequality; Race, Class and Gender

Analysis of the social factors determining class, power and prestige in American society; poverty and the effectiveness of welfare policies; interclass conflicts; the impact of changes in the labor market and in sex roles. *Credit: 3 semester hours.*

1180 Sociology of Education

Schooling in contemporary society including the role that schools and family play in internalizing in pupils the capacities for successful performance in future adult roles. *Credit: 3 semester hours.*

1190 Sociology of Poverty in America

An examination of the everyday life of poor people in the U.S. Critical analysis of the development of social policy, social movements and the conditions that would have to be changed if poverty is to be ended. *Credit: 3 semester hours.*

1220 Sociology of New York City

The New York metropolitan area is analyzed with a focus on social class, race, ethnic relations, housing, employment and poverty. The conditions of various communities and the fiscal state of government are also discussed. *Credit: 3 semester hours.*

1570 Gender, Violence and the Movies (Mini-Course)

Exploration of the relationship between violence and gender in the cinema. The effect images of violence have on gendered spectators and consciousness formation are examined. *Credit: 3 semester hours.*

2100 Global Poverty

Failures of global policies to substantially change the conditions of the world's poor and conditions that would have to be changed if poverty is to be ended. *Credit: 3 semester hours.*

2110 Women and Crime

The relationship between women and crime: women as offenders, including the nature and seriousness of offenses and women as victims of crime. *Credit: 3 semester hours.*

2120 Juvenile Delinquency

Delinquency theories and their effect on prevention, intervention and control strategies. Development of the American juvenile justice system and the influence of race, gender, family, peers and schools. *Credit: 3 semester hours.*

2200 Substance Abuse and Addiction in Society

This course focuses on causes and rates of alcoholism, drug abuse and addiction, compulsive gambling, obesity and other habitual behaviors. Impact of addiction on the family, education, occupations and crime. *Credit: 3 semester hours.*

2310 Sociology of Health and Medicine

Sociological understanding of the organization, delivery and financing of health services in the contemporary United States, taking into account the political, social, and economic environment. *Credit: 3 semester hours.*

2360 Law and Society

An examination of the social forces surrounding the law. Effects of social systems, social movements and culture on the law. Different models of the legal system are analyzed. *Credit: 3 semester hours.*

2380 Sport and Leisure in Contemporary Society

The role and function of sport, games and play as socializing agents, leisure pursuits and business enterprises; historical, economic and organizational influences on sport and leisure development. *Credit: 3 semester hours.*

2410 Race and Ethnicity in America

American ethnicity in comparative cultural context. Majorities and minorities in terms of stereotyping, prejudice, unequal distribution of goods and services, discrimination and conflict. Major contributions of ethnic groups to American life. *Credit: 3 semester hours.*

2430 Sociology of Gender

This course focuses on issues related to gender roles in modern society. Inequality between women and men in society, male-female interactions, women's and men's movements and social change are discussed. *Credit: 3 semester hours.*

2440 Gender Identity in Popular Culture

Exploration of the social construction of gender in popular culture and the interaction between the individual and these images in the formation of the self. Special attention is given to the construction of gender identity in films, television and music. *Credit: 3 semester hours.*

2450 Sociology of the Black Experience

This course examines the content and nature of African-American experience and how it has changed over time. Economic, cultural, religious, political and sociological aspects of the black and African-American experience will be examined. The struggle for equal rights, social justice and empowerment will be central. *Credit: 3 semester hours.*

2460 Social Justice and the City

This course will examine various forms of deprivation, inequality and intolerance in urban areas and will address these issues through sociological discourse, social action and urban policy. *Credit: 3 semester hours.*

2550 Stress, Coping and Crisis Intervention

Successful ways to cope with everyday stress, as well as traumatic events are covered. Stress theories and crisis intervention methods are applied to individuals, groups and communities experiencing serious difficulties. *Credit: 3 semester hours.*

2610 Statistical Methods for the Social Sciences

Introduction to statistical concepts and procedures for social science students. Students are taught basic computer literacy and have access to the Internet. Descriptive and inferential statistics are the focus of this course. *Credit: 3 semester hours.*

2630 Urban Sociology

The city and its environs; the complexity of its population residential movements and industrial migration; contrasting values of the city and suburbs, including the transition from modern to the postmodern city. *Credit: 3 semester hours.*

2670 Sociology of Religion

The study of the social aspects of religion, with particular focus on contemporary America. This includes major societal functions, social organization, interrelationships with other institutions and secular activities; and the nature of religious consciousness. *Credit: 3 semester hours.*

3240 Sociological Theory

Prerequisite: SOC 1010. Classical sociological theories that influence the analysis of contemporary society. Emphasis on the works of Durkheim, Marx, Weber, Simmel, Mead and other social thinkers. *Credit: 3 semester hours.*

3650 Sociology of Modern Organizations

The sociological study of organizational goals, organizational structure, organizational processes, organizations in relation to their environment and to the individual; nature and organization of work in society. *Credit: 3 semester hours.*

3660 Political Sociology

Analysis of the social bases and contexts of political power; political conflict, participation, and nation building; political thought and movements; various forms of political rule. The course deals with power in a broad context from the meta state to everyday life. *Credit: 3 semester hours.*

4270 Measurement, Evaluation, and Research Methods

Prerequisite: SOC 2610. Survey of data gathering procedures including the interview, questionnaires, sampling, scales, aptitude and personality measures, formal and informal observation, content analysis, case study and data analysis. *Credit: 3 semester hours.*

4280 Internship in Social Research

Prerequisite: SOC 4270. Selected research problems are carried out as field projects incorporating the various methods covered in SOC 4270. *Open to sociology majors only. Credit: 3 semester hours.*

4530 Social Work Internship

Prerequisite: SOC 1090, *consultation with instructor prior to registration, grade of B or better in SOC 1090.* Supervised learning experiences in social service agencies dealing with individuals, families and/or groups. *Students are required to put in 100 hours for 3 credits. Credit: 3 or 6 semester hours.*

4953; 4954 Individual Guided Research

Guided theoretical or empirical research on an individual basis. *The Chair must give written approval. Open only to sociology majors and minors. Credit: 3 semester hours.*

4990 Sociology Seminar

Prerequisite: SOC 3240 and 4270. Major concepts of sociology discussed. Student interaction represents major contribution to class sessions. Service learning component. *Required for all senior sociology majors. All others by permission of Chair. Credit: 3 semester hours.*

Anthropology Course Offerings (ANT)

1000 Language and Culture

Communication as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, gender, intergenerational, international settings and deaf subcultures. *Credit: 3 semester hours.*

1010 Introduction to Anthropology: Cultural

Anthropology as a comparative cultural approach. Learning about American and world cultures through examination of the whole life experience in cross-cultural perspective. *Credit: 3 semester hours.*

1020 Introduction to Anthropology: Physical

Biological and social aspects of human existence. African fossil evidence and the evolution of the first humans in ecological contexts. Population genetics, and social behavior of primates as clues to ourselves. *Credit: 3 semester hours.*

1030 Introduction to Archaeology

Basic goals, concepts and methods of archaeological excavation and analysis. Study of local sites such as American Indian, colonial cemeteries and black-American communities. *Includes local field trips. Credit: 3 semester hours.*

1050 World Cultures: Yesterday and Today

Survey of major types of culture in the world. Special emphasis on points of the origin of American ethnic groups. Impact of modernization and culture change on traditional societies. *Credit: 3 semester hours.*

1060C Social Change in a Global World

An examination of the diverse social and cultural movements that have and are currently transforming the world. *Credit: 3 semester hours.*

1100 Food and Culture

An exploration of how culture shapes what, when, and where we eat; the evolution and global diversity of food habits; issues of world hunger. *Credit: 3 semester hours.*

1110 Kinship, Family and Gender

A detailed overview of the anthropological approach to the study of kinship, family and gender cross-culturally through classical and contemporary texts. *Credit: 3 semester hours.*

1120 Human Ecology

A study of the interrelationships between humanity—social and cultural—and the Earth. The nature and impacts of population growth, industry and technological progress are emphasized. *Field trips may be included. Credit: 3 semester hours.*

1130 Historical Archaeology

Foundations for the historical archaeology of European colonization and global capitalism, including archaeological techniques to uncover past constructions of race, ethnicity, class and gender. *Credit: 3 semester hours.*

1140 Ancient Civilizations

The archaeology of ancient civilizations with a focus on Mesopotamia, Egypt, the Indus Valley, China, Mesoamerica, and Peru. Examines their government, religion, food production, and the environment, sedentism, urbanism, architecture, art, gender, trade, and warfare in the past. *Credit: 3 semester hours.*

1155 Language and Intercultural Communication

Communications as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, intergenerational, gender, deaf subcultures and international settings. *Credit 3 semester hours. Cf. LIN 1155; SPE 1155*

1160 Society, Culture and Education

A study of the American educational institution in its social and cultural contexts. Relationships between the school and the youth sub-culture, the family, the mass media, the economy. Contemporary social currents, especially poverty, drug addiction and the job market, and how they affect the young and their schooling. *Credit: 3 semester hours.*

1190 Psychological Anthropology

Psycho-social development in cross-cultural perspective. Personality and cultural institutions in reciprocal relationship. Comparative analyses of personality maladjustments and human problems such as alcohol dependency. *Credit: 3 semester hours.*

1780; 1790 Off-Campus Topics in Multicultural and Multiethnic Studies I; II

Travel to another country or region of the United States for first-hand experience of another culture. Integration of academic knowledge from anthropology and related social and behavioral sciences and first-hand experience. *Credit: 3 semester hours.*

2740 Anthropology of Religion

Religions and rituals of societies with primitive and transitional technologies. Study of the forms, functions, and meanings of belief systems and ritual practices. *Credit: 3 semester hours.*

2750 The North American Indian

The history and nature of American-Indian cultures: pre-history and archaeology; contemporary problems of the American Indian as a subculture in modern USA; world industrial expansion and the plight of the American Indian. *Credit: 3 semester hours.*

2760 South Asian Society

Introduction to sociological and anthropological study of South Asia. Continuity and change in social institutions and traditions of the region. *Credit: 3 semester hours.*

4200 Urban Fieldwork

This course provides a general introduction and overview of anthropological and sociological strategies for multicultural research in the United States and abroad. *Credit: 3 semester hours.*

4820 Archaeological Fieldwork (Mini-Course)

Prerequisite: Permission of instructor. Fieldwork practicum on concepts and techniques of archaeological excavation and teamwork. Survey or excavation of sites to be announced each year. *Materials fee. Credit: 3 semester hours.*

4870 The Bible and Archaeology

An introduction to the modern science of "Biblical Archaeology" and questions on the historicity of ancient Israel. *Credit: 3 semester hours.*

4953; 4954 Individual Guided Research

Guided theoretical or empirical research on an individual basis. *Chair must give written approval. Open only to anthropology majors and minors. Credit: 3 semester hours.*

4990 Anthropology Seminar

Prerequisite: ANT 1010, 1020. An integrated analysis of the field of anthropology and a survey of contemporary developments in research and theory. *Open only to students who have completed 15 credits in anthropology or are senior anthropology majors. Credit: 3 semester hours.*

Speech, Communication Sciences, and Theatre (SPE)

Major Sequences

Public Address

36 semester hours including: SPE 1000C, 4990; and 21 credits from SPE 2000, 2020, 2040, 2050, 2060, 3130, 3140, 3170, 3180, 3190, 4000; and nine elective credits in SPE.

Speech-Language Pathology and Audiology

42 semester hours including: SPE 1000C, SPE 1710, 1720, 1730, 1740, 2750, 2760, 2770, 4820, 4830, 4990, and the remaining credits from 1750, 2775, 2780, 4810, 3840, 2740. Students are advised to take six credits in a practicum experience. This practicum may be satisfied with two semesters of clinical practice in speech-language pathology SPE 4820, 4830 (see required prerequisites) on the Queens campus.

On the Staten Island campus, an internship, SPE 4803, three credits or SPE 4816, six credits, may be considered as a substitute for clinic. Students who have completed SPE 4803 and wish to pursue an additional three-credit internship, may enroll in SPE 4813 with departmental approval. A total of six credits of clinical practice in speech-language pathology or internship in speech-language pathology is applicable to the major sequence and degree.

Minor Sequences

Public Address

18 semester hours including: SPE 1000C or HON 1020C; three credits from SPE 1015, 2015, 2025, 1155, 3135; 12 credits from SPE 2020, 2040, 2050, 2060, 3130, 3140, 3170, 3180, 3190, 4000.

Business Communication

15 semester hours including: SPE 1000C or HON 1020C and SPE 2020, SPE 2025, SPE 2050 and one approved elective.

Religious Communication

18 semester hours including: SPE 1000C or HON 1020C, SPE 3190; nine credits from SPE 1015, 1050, 2020, 2060, 2110, 3130, and three elective SPE credits.

Speech Communication Arts

18 semester hours including: SPE 1000C or HON 1020C, SPE 3190; 12 credits from SPE 1015, 2000, 2015, SPE 2020, 2045, 3135, 3155; and three credits from SPE 1155, 1050, 2110, 3130, 2040, 2060, 3180, 3190.

Speech-Language Pathology and Audiology

21 semester hours including: SPE 1710, 1720, 1730, 1740, 2750, 2760 and 2770.

Theatre

18 semester hours including: SPE 1000C or HON 1020C, and SPE 2110, 1540, 2540; and six credits from SPE 1050, 1520, 1560, 1575, 1580, 1585, 1590.

Musical Theatre

18 semester hours including: nine semester hours in SPE 1510 or 1530, SPE 1540, MUS 1260; three semester hours in Voice (MUS 1620*, MUS 1630); six semester hours chosen from among SPE 1580, 2540, 1520, 1590, MUS 1070, 1230, 1240.

*MUS 1620 may be repeated twice.

Communication

(Staten Island campus)

15 semester hours including SPE 1000C or HON 1020C and SPE 1015, 2020 and six credits from SPE 1050, 1155, 1510, 1540, 2000, 2015, 2025, 2110, 4953.

Public Address, Speech-Language Pathology and Audiology, and Theatre Course Offerings (SPE)

1000C Fundamentals of Public Speaking

Basic principles of purposive speaking. Students apply these principles to several oral presentations with primary emphasis on extemporaneous public speaking. *Credit: 3 semester hours.*

1000 Speech and Debate Practicum

Study and practice of the principles and applications of various forms of public address as they relate to forensic competition. Satisfactory participation in varsity level forensic competitions required. *Credit: 1 semester hour for 35 hours of laboratory experience plus study. (SI)*

1005C Interpersonal Communication for the Pharmacist

The process of interpersonal communication and the skills necessary to communicate effectively with others within professional pharmacy settings. *Restricted to allied health students. Credit: 3 semester hours.*

1015 Introduction to Interpersonal Communication

The process of interpersonal communication and the skills necessary to communicate effectively with others in all facets of everyday life, i.e., within family, social, educational and business situations. *Credit: 3 semester hours.*

1050 Fundamentals of Speech Production

Improvement of voice and diction through study of breathing technique, resonance, pitch, vocal range, diction, IPA and oral interpretation of literature. *Credit: 3 semester hours.*

1155 Language and Intercultural Communication

Communication as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, intergenerational, gender, deaf subcultures and international settings. *Credit: 3 semester hours.*

2000 Advanced Public Speaking

Advanced theoretical and practical principles of purposive speaking. Students apply these principles to various speaking occasions, audiences, and methods. *Credit: 3 semester hours.*

2015 Nonverbal Communication

How nonverbal messages function to communicate culture, race, gender, and personality. Links nonverbal messages to impression formation and management, as well as relational and expressive communication. *Credit: 3 semester hours.*

2020 Persuasion

Prerequisite: SPE 1000C or HON 1020C. Theory and practice of persuasive communication, including the preparation and delivery of persuasive speeches. *Credit: 3 semester hours.*

2025 Organizational Communication

Research and theories of communication in corporate, service and non-profit organizations. Skills in interviewing, message design, leadership and committee work. *Credit: 3 semester hours.*

2040 American Public Address

Analysis and evaluation of representative speakers and speeches in the history of American public address. *Credit: 3 semester hours. Queens campus only.*

2045 Listening and Communication Consumership: Theoretical and Applied

A study of critical and aesthetic listening perspectives. Critical analysis and evaluation of intrapersonal, interpersonal, and public communication. Emphasis is placed on developing listening competence. *Credit: 3 semester hours. (Staten Island)*

2050 Decision-Making Discussion

Theory of and practice in using discussion as a method of decision making. Discussion organization and leadership. *Credit: 3 semester hours.*

2060 Argumentation: Inquiry and Advocacy

Prerequisite: SPE 1000C or HON 1020C. The theory and practice of argument including the use of analysis, evidence, reasoning and organization in developing and defending an argumentative position. *Credit: 3 semester hours.*

2110 Oral Interpretation

The art of reading to an audience, conveying ideational, emotional and dramatic content; the techniques of analysis are exercised equally with those of expression. *Credit: 3 semester hours.*

3130 Foundations of Rhetorical Theory

Prerequisite: SPE 1000C or HON 1020C. An examination of the principal developments in rhetoric from the Sophists to Augustine. *Credit: 3 semester hours.*

3135 Human Communication Behavior and Group Process

Study of the discussion process; application of communication skills in discussion; language patterns, reflective thinking and group dynamics. *Credit: 3 semester hours.*

3140 Rhetorical Communication Strategies

Theory and practice of rhetorical criticism of historical and contemporary communication texts, including speeches, letters, essays, editorials, and persuasive campaigns. *Credit: 3 semester hours.*

3155 General Semantics

Study of the process and problems of communicating and interpreting meaning through the medium of words and verbal symbols. *Credit: 3 semester hours. (Staten Island)*

3170 Prosecution and Defense: The Rhetoric of Cicero and the Law of Rome (Mini-Course)

Critical study of the forensic oratory of Cicero, based on Roman legal and rhetorical practices. *No knowledge of classical languages is required. Credit: 3 semester hours.*

3180 Legal Argumentation

Prerequisite: SPE 1000C or HON 1020C. This course is designed to study argumentation that occurs within the law. Students receive training in both the theory and practice of persuasive legal argumentation. *Credit: 3 semester hours.*

3190 Rhetoric of Religion

The role of religious discourse in relation to the rhetorical tradition and contemporary society. The study of the intersection of religious rhetoric and socio-political issues. *Credit: 3 semester hours.*

4000 Special Topics Seminar

Restricted registration. Research and discussion on select topics and problems. *Credit: 3 semester hours.*

4903 Internship in Speech Communications

Restricted registration. Fieldwork (eight hours per week) with practical application in the areas of speech-language pathology, human communication or theatre under faculty and professional supervision. *Credit: 3 semester hours.*

4906 Internship in Speech Communications

Restricted registration. Fieldwork (16 hours per week). *See SPE 4903. Credit: 6 semester hours.*

4953 Independent Study

Restricted registration. Independent research in an area of the student's own selection under the general advisement of a faculty member. *Credit: 3 semester hours.*

Speech-Language Pathology and Audiology Course Offerings (SPE)

1710 Phonetics

A study of articulatory phonetics, broad and narrow transcription of American English (using the International Phonetic Alphabet); elements of dialects and accents. *Credit: 3 semester hours.*

1720 Anatomy and Physiology of the Speech System

Prerequisite: SPE 1710 or permission of the department. The anatomy and physiology of breathing, phonatory, and articulatory systems as they are used in speech. Introduction to the nervous system, particularly as the controller of the speech mechanism. *Credit: 3 semester hours.*

1730 Language Acquisition

Prerequisite: SPE 1710 or permission of the department. Phonological, morphological, syntactic, semantic, pragmatic and cognitive aspects of language acquisition in the normal child are analyzed. *Credit: 3 semester hours.*

1740 Introduction to Hearing Science

Anatomy, physiology and neurophysiology of the hearing mechanisms; theories of hearing, acoustical characteristics to sound and their measurement. *Credit: 3 semester hours.*

1750 Speech Science

Prerequisite: SPE 1710, 1720 or permission of the department. The acoustic characteristics of speech and their relation to articulatory and perceptual events; introduction to speech perception. *Credit: 3 semester hours.*

1760 Introduction to Sign Language I

Introduction to the basic manual communication skills of the deaf, development of receptive and expressive skill necessary for proficiency in American Sign Language. *Not applicable to the speech pathology-audiology major. Credit: 3 semester hours.*

2740 Observation in Speech-Language Pathology and Audiology

Prerequisite: SPE 1710, 1720 and 1730. *Corequisite:* SPE 2760 and 2770. Observation of assessment in speech, language and hearing disorders. Introduction to systematic classification and professional writing. *Must be taken prior to SPE 4820 and SPE 4830. Credit: 1 semester hour.*

2750 Introduction to Audiology

Prerequisite: SPE 1740 or permission of the department. Measurement of hearing, including pure tone and speech audiometry, immitance testing, and special tests. Interpretation of audiograms and screening procedures and pathologies of the auditory system. *Students are required to observe at speech and hearing facilities. Credit: 3 semester hours.*

2760; 2770 Speech-Language Pathology I; II

Prerequisite: SPE 1710, 1720, 1730 or permission of the department. Disorders of speech and language based on organic causation including cleft palate, cerebral palsy, delayed and disordered language, dysarthria, articulation defects, aphasia, dysfluency, and voice disorders. *Students are required to observe at speech and hearing facilities. Credit: 3 semester hours.*

2775 Language-Based Learning Disabilities

Prerequisite: SPE 1730. Language development and disorders, their relation to learning and reading disabilities. Assessment and intervention strategies for young and older children, and for adolescents with language-based learning disabilities. *Credit: 3 semester hours. (Staten Island)*

2780 Aural Rehabilitation for the Hearing Impaired Child

Prerequisite: SPE 2750 or SPE 1740 (recommended) or permission of the department. The effect of hearing loss on the communication skills of hearing impaired children. Theoretical considerations in education, (re)habilitation, speech reading, language therapy, auditory training, and amplification systems. *Credit: 3 semester hours.*

2790 Introduction to Sign Language II

Prerequisite: SPE 1760 or permission of the department. The second level of American Sign Language (ASL II), providing increased knowledge of the gestural language used by deaf persons in the U.S. and Canada except in Province of Quebec. *Credit: 3 semester hours.*

3840 Diagnostic Methods in Speech-Language Pathology

Prerequisite: SPE 2760, 2770 or permission of the department. Procedures for studying, evaluating and assessing various pathologies of speech, language and communication by lecture and observation. *Credit: 3 semester hours.*

4803; 4813; 4816 Internship in Speech-Language Pathology and Audiology

Restricted registration. Permission of the department required. Supervised clinical practice in management and intervention strategies for the communicatively impaired of varied nature and severity; preparation of clinic records and reports. *Credit: SPE 4803 and SPE 4813 require 8 hours weekly for 3 credits. SPE 4816 requires 16 hours weekly for 6 credits. (Staten Island)*

4810 Clinical Practicum in Audiology

Prerequisite: SPE 2750 and 1740 or permission of the department. Measurement of pure tone and speech thresholds, screening procedures, interpretation of audiograms, and special tests for audiological assessment of hearing loss. *Credit: 3 semester hours.*

4820; 4830 Clinical Practice in Speech-Language Pathology I; II

Prerequisite: SPE 2760 and SPE 2770. SPE 4820 is a prerequisite for SPE 4830 or permission of the department. Supervised clinical practice in management and intervention strategies in the communicatively impaired, preparation of clinic records and reports at the University's Speech and Hearing Center. *Two-hour weekly seminar. Observations at Speech and Hearing Center arranged. Credit: 3 semester hours.*

4990 Seminar

Contemporary issues in communication arts and sciences. Research tools for advanced study and professional growth; research design, tests and measurements, statistical analysis and computer applications. *Credit: 3 semester hours.*

Theatre Course Offerings (SPE)

1500 Theatre In Education

Introduction to theatre techniques for educators. Emphasis on staging the play, puppetry, improvisation, storytelling and creative dramatics. *Credit: 3 semester hours.*

1510 Introduction to Theatre

A survey of theatre from ancient Greece through the 19th century; stage practices; the art of the actor and the theatre as an educational device and cultural experience. *Credit: 3 semester hours.*

1520 Creating Theatre

An overview of theatre and its craft which examines the actor, the playwright, the designers, the technicians, the director and their collaboration. Emphasis on creating and developing original work. *Credit: 3 semester hours.*

1530 Modern Theatre

Principles and practices in theatre since the beginning of the 20th century; current offerings on the New York stage and problems they involve; new movement and theories and their sources in theatre of the past. *Credit: 3 semester hours. (Staten Island)*

1540 Introduction to Acting I

Basic techniques in analyzing and creating a role. Improvisations, scene practice, script analysis. *Credit: 3 semester hours.*

1550 On-Camera Acting: Commercials, Movies and Sitcoms

An introduction to acting and to the special techniques of on-camera performance. Emphasis on career building, and on the styles of commercials, movies and sitcoms. *Credit: 3 semester hours.*

1560 Playwriting: Writing for Stage Performance

Prerequisite: SPE 1000C. Craft skills of writing for stage performance. Analysis of the basic play architecture, problems of character development, dialogue and plot. Student scripts and exercises are read and analyzed in class. *Credit: 3 semester hours.*

1570 Stagecraft I

Prerequisite: Permission of the instructor. First Semester: Introduction to theatre architecture and staging. Theory and practice of scene design, set construction and lighting design. *Credit: 3 semester hours.*

1575 Theatre Laboratory: Stagecraft

Prerequisite: Permission of the instructor. Supervised laboratory experience in technical theatre production. Students further skills and knowledge of technical theatre throughout practical application in departmentally approved productions. *Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to maximum of 3 credits.*

1580 Theatre Laboratory: Acting

Prerequisite: Permission of the instructor. Supervised laboratory experience in acting. Students further their skills, and knowledge of acting in a departmentally approved production or project. *Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to a maximum of 3 credits.*

1585 Theatre Laboratory: Directing

Prerequisite: Permission of the instructor. Supervised laboratory experience in directing. Students further their skills and knowledge of directing in a departmentally approved project. *Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to a maximum of 3 credits.*

1590 Theatre Workshop (Mini-Course)

Experience in the production and performance of a play. Each student performs a role and supervises a production responsibility. Performance is presented during last class session. *Laboratory fee, \$10. Credit: 3 semester hours.*

2540 Introduction to Acting II

Presentation of scenes. Rehearsal, study and performance techniques. Problems of auditioning. *Credit: 3 semester hours.*

2570 Stagecraft II

Technical production practices, sets and prop construction, special effects, advanced lighting, and complex set design. Introduction to stage makeup and costume. *Credit: 3 semester hours.*

Theology and Religious Studies (THE)

Major Sequence

36 semester hours including THE 1000C and 2100 (in sequence), 2205, [2210 or 2215], [2300 or 2310], 2500, 2810, 4990, three elective courses in the 3000 series and one course in the 3100 series.

B.A./M.A.

B.A./M.A. students take a total of 42 credits including THE 1000C (see above note) and 2100 (in sequence), 2205, [2210 or 2215], [2300 or 2320], 2500, 2810, 4990 and one course in the 3100 series on the undergraduate level. Students must also complete two graduate courses in junior year and two graduate courses in senior year, for a total of 12 graduate credits. Eligibility requires a 3.0 overall index and a 3.5 in THE. For additional program details, consult the St. John's University Graduate Bulletin.

Minor Sequences

Theology and Religious Studies

18 semester hours including nine credits in the core and nine credits from any other course offerings of the department.

Interfaith Studies

18 semester hours including nine credits in the Core and nine credits selected under department advisement from among THE 1000, 2700, 2705, 2710, 2720, 2730, 2740.

Note: Mini-courses are not applicable toward the THE major, B.A./M.A., minor sequences.

Core Curriculum Note

All students are required to take THE 1000C and two other courses, one from the 2000 series and one from the 3000 series. Mini-courses may not be used to satisfy Core requirements.

Theology and Religious Studies Course Offerings (THE)

1000C Perspectives on Christianity: A Catholic Approach

An introduction to Christianity highlighting belief statements, practices, scripture, rites, theological writings, artistic expressions, and other discourses manifesting and expressing the Christian faith in its various traditions through its development. *All students regardless of religious affiliation must take 1000C. Credit: 3 semester hours.*

2100 Introduction to the Bible

Prerequisite: THE 1000C. Introduction to the history, literary forms and theology of the Old and New Testaments. *Credit: 3 semester hours.*

2200 The Mystery of God

Prerequisite: THE 1000C. The Christian theology of the triune God, with its implications for issues such as faith and reason, theological language, Christian praxis, and dialogue with other religious traditions. *Credit: 3 semester hours.*

2205 Jesus in Christian Faith

Prerequisite: THE 1000C. A study of statements of faith interpreting Jesus' work and nature in the gospels, ancient creeds, later theology, and praxis of faith. *Credit: 3 semester hours.*

2210 Perspectives on the Church

Prerequisite: THE 1000C. The theology of the Christian community: its Scriptural warrants and history, issues such as: the role of the Church in salvation, the relation between the local and universal Church, Vatican II, ecumenism, authority. *Credit: 3 semester hours.*

2215 Worship, Liturgy and Sacraments

Prerequisite: THE 1000C. This course explores worship, and sacraments especially in the American context. It examines "culture" and its influence on the understanding and experience of the "holy" and "mystery" in Christian rite, time, and place in light of recent developments in sacramental theology and practice. *Credit: 3 semester hours.*

2300 Christian Responsibility

Prerequisite: THE 1000C. An overview of Christian ethics, including introductory moral foundations and selected ethical issues in individual and social morality on the basis of Christian revelation. *Credit: 3 semester hours.*

2320 Introduction to Catholic Social Teaching

Prerequisite: THE 1000C. An exploration of Christian social teaching, particularly to Roman Catholic social teaching, and its relationship to economic, political, and cultural structures. The concept of the common good and the virtue of distributive justice will be emphasized. *Credit: 3 semester hours.*

2400 Christian Spirituality and Mysticism

Prerequisite: THE 1000C. A study of the spiritual dimensions of humanity based on the religious nature of human beings, the Christian tradition, and modern interdisciplinary insights regarding human nature. *Credit: 3 semester hours.*

2500 History of the Church

Prerequisite: THE 1000C. A survey of church doctrines and institutions, critical moments in church history and interpretive resources useful for understanding them. *Credit: 3 semester hours.*

2700 Introduction to Eastern Orthodoxy

Prerequisite: THE 1000C. A survey of the churches of the Christian East, their doctrine and spiritual disciplines, and their differences from the churches of the Christian West. *Credit: 3 semester hours.*

2710 Introduction to Protestantism

Prerequisite: THE 1000C. A survey of the Protestant Christian movement and Protestant thought from the Reformation in Europe in the 16th century to the present-day spread of Protestant Christianity throughout the world. *Credit: 3 semester hours.*

2810 Religions of the World

Prerequisite: THE 1000C. A critical introduction to the study of world religions, exploring the beliefs, rituals and ethical ideals of representative religious manifestations of the past and present. *Credit: 3 semester hours.*

2820 Introduction to Judaism

Prerequisite: THE 1000C. Survey of the history of Judaism, with emphasis on its concepts and practices; relationship of Judaism to Christianity; the major theological schools in Judaism. *Credit: 3 semester hours.*

2830 Introduction to Hinduism

Prerequisite: THE 1000C. Hindu religion: Its scriptures, theology, philosophy and creeds—Vaisnavism and Saivism, eastern mysticism and yoga, and modern Hindu religious consciousness. *Credit: 3 semester hours.*

2840 Introduction to Buddhism

Prerequisite: THE 1000C. The origin of Buddhism in India: its metaphysics, ethics, monastic order, and scriptures. Discussion of the teachings of two schools of Buddhism: the Theravada in Southeast Asia, and the Mahayana and Zen Buddhism in North and Northeast Asia. *Credit: 3 semester hours.*

2850 Introduction to Islam

Prerequisite: THE 1000C. A survey of the religion of Islam on the basis of the Qu'ran and Sunnah and its role in the contemporary world. *Credit: 3 semester hours.*

3100 The Gospels of Matthew, Mark, and Luke

Prerequisite: THE 1000C. This course explores the message of and about Jesus of Nazareth found in the oldest written Christian narratives concerning him, the so-called "synoptic gospels." *Credit: 3 semester hours.*

3105 The Johannine Literature

Prerequisite: THE 1000C. A study of the Gospel of John, its origins, structure and theology, and of the three Letters of John, with a consideration of their relationship to the Fourth Gospel and the Apocalypse. *Credit: 3 semester hours.*

3110 The Letters of Paul

Prerequisite: THE 1000C. A study of the New Testament letters attributed to Paul, with attention to the literary, social, and theological issues in the study of these documents and the early Christian communities to which they were addressed. *Credit: 3 semester hours.*

3120 The Prophets

Prerequisite: THE 1000C. A survey of the Old Testament Prophetic Books and a discussion of the nature and significance of prophecy in the Bible and in its context in the ancient Near East. *Credit: 3 semester hours.*

3130 The Bible and Archaeology

Prerequisite: THE 1000C. An introduction to the methods and outcomes of archaeological investigation of the lands of the Bible, and a discussion of related issues concerning the history of ancient Israel. *Credit: 3 semester hours.*

3210 The Human Mystery

Prerequisite: THE 1000C. An introduction to theological anthropology; the human person as an historical reality. Various conceptions of humanity in the light of the Judeo-Christian revelation. The problem of nature and grace; human evolution and the hope for eternal life. *Credit: 3 semester hours.*

3215 Theology of Mary and the Saints

Prerequisite: THE 1000C. The genesis, historical development and current manifestations of the theology of Mary and the saints and Christian liturgical and devotional practices associated with honoring them. *Credit: 3 semester hours.*

3220 The Mystery of Eternal Life

Prerequisite: THE 1000C. This course explores the mystery of humanity's hoped-for future: eternal life and the reign of God. It explores the meaning of history, the social depiction of apocalypticism, millenarianism and utopia. *Credit: 3 semester hours.*

3225 Death and Resurrection in Modern Christian Thought

Prerequisite: THE 1000C. An examination of America's interest in death, contributions of the behavioral sciences; biblical and theological perspectives on death and resurrection; contemporary reflections on how to live with death. *Credit: 3 semester hours.*

3230 Christian Marriage

Prerequisite: THE 1000C. An exploration of the theological, psychological and sociological dimensions of marriage and family life. The course places particular emphasis on marriage as a sacrament, on the sacredness of family, and on the challenges related to contemporary family life. *Credit: 3 semester hours.*

3240 Women and Theology

Prerequisite: THE 1000C. The emergence of a theology of women, stressing personhood; Scripture and Christian traditions concerning women are joined with a study of present Church and world needs. Open to both male and female students. *Credit: 3 semester hours.*

3250 Dialogue Among the Churches and Religions

Prerequisite: THE 1000C. A study of the self-image of the Catholic Church and its relations with other Christian Churches and world religions; current dialogues taking place on the local, national and international levels. *Credit: 3 semester hours.*

3260 Religion and Art

Prerequisite: THE 1000C. *Restricted registration for fine arts majors only. Others may enroll with permission of instructor.* An exploration of the relationship that exists among the "fine" arts, spirituality, and religion. More particularly, we focus on the ways that the arts have been and are used in the religious traditions, and more particularly the Christian tradition. *Credit: 3 semester hours.*

3300 Moral Theology of Health Care

Prerequisite: THE 1000C. An exploration of moral decisionmaking as it relates to the health care professions, with attention to specific issues, including: the right to health care, social justice and health, conscience, abortion, euthanasia, prolongation of life, genetics, contraception, sterilization, drug use, chemical addiction, and human experimentation. *Credit: 3 semester hours.*

3305 Moral Theology of the Marketplace

Prerequisite: THE 1000C. *Prerequisite:* THE 1000C. *Restricted Registration.* An exploration and analysis of moral decision-making as it applies to the world of business. *Open to Tobin College of Business juniors and seniors only, or with permission of the professor.* *Credit: 3 semester hours.*

3310 The Theology of Peace: A Gospel Reflection on Violence and War

Prerequisite: THE 1000C. The evolution of the Christian response to war and violence; the Gospel foundations; a historical survey of the "just war" theory; developments since World War II, especially the arms race and the nuclear question. *Credit: 3 semester hours.*

3320 God and Religion in the City

Prerequisite: THE 1000C. A survey of selected basic issues (housing, education, welfare, pollution) which affect the quality of life in a large city. A comparison of these realities with the Christian vision of social justice and equality in human dignity. *Credit: 3 semester hours.*

3400 Spirituality of the Educator

Prerequisite: 1000C. An introduction for future educators to the spiritual dimensions of the art of teaching focusing on the development of the teacher's personal spirituality as well as the formative role of teachers in the spiritual development of students. *Credit: 3 semester hours.*

3410 Helping the Neighbor: Vincent de Paul and the Meaning of Christian Service

Prerequisite: THE 1000C. An examination of the meaning of Gospel service through the spirituality of St. Vincent de Paul, the 17th-century French saint regarded by both Christians and others as a forerunner of modern social service. *Credit: 3 semester hours.*

3510 Religion in the United States

Prerequisite: THE 1000C. A historical and thematic study of religion in the United States from the Age of Discovery/colonial period to the present time. This course explores the diversity of religious belief and practice as well as how religion interacts with U.S. culture and society, especially in the contemporary period. *Credit: 3 semester hours.*

3530 Religion and the Rise of Modern Culture

Prerequisite: THE 1000C. The role of religion in the rise of European culture and its influence on Western civilization. *Credit: 3 semester hours.*

3550 Theology in the Middle Ages

Prerequisite: THE 1000C. An introduction to the theology and history of the Catholic Church during the Middle Ages (600-1500AD) by means of an interdisciplinary study of theology, philosophy, history and literature using primary and secondary sources. *Credit: 3 semester hours.*

3610 Youth Ministry: Theory and Practice

Prerequisite: THE 1000C. The theory and practice of ministry to youth as it is currently developing, especially in the United States. *Credit: 3 semester hours.*

3810 Anthropology of Religion

Prerequisite: THE 1000C. Religions of societies with primitive technologies examined to see various forms religion takes, the functions it serves and the meanings it has for the people believing and practicing it. Consideration of the cultural contexts of religion and its relation to change. *Credit: 3 semester hours.*

3820 Israel and the Ancient Near East

Prerequisite: THE 1000C. The history of Israel as recovered through the tools of contemporary scholarship, in order to understand its religious roots and influence on contemporary life. *Credit: 3 semester hours.*

3830 Judaism Speaks to Modern Moral Issues

Prerequisite: THE 1000C. The application of Jewish theological and ethical teachings in working out solutions to moral and religious problems. *Credit: 3 semester hours.*

3840 Contemporary Judaism

Prerequisite: THE 1000C. A survey of the theological and philosophical foundations of Judaism, and its development as a framework for contemporary Jewish life and practice. Religious, ethical, and educational attitudes found among Jews today; an examination of Judaism as a religious experience and a way of life in modern times. *Credit: 3 semester hours.*

3850 The Holocaust and Its Aftermath

Prerequisite: THE 1000C. The reaction of Jews and Christians to the destruction of Eastern European Judaism and the Jewish response in prayer, literature and religious thought. *Credit: 3 semester hours.*

3855 A Jewish View of Marriage and the Family

Prerequisite: THE 1000C. The theological, historical, sociological and psychological aspects of marriage in the Jewish tradition. The life cycle and the role of family in Jewish religious life. Current concerns, issues, problems, and challenges. *Credit: 3 semester hours.*

3860 The Family in Islamic Life and Theology

Prerequisite: THE 1000C. A survey of the Islamic teachings on family life and of family life in Muslim life and thought. *Credit: 3 semester hours.*

3910 Philosophy of Religion

Prerequisite: THE 1000C. A study of selected texts in the philosophy of religion, illustrating the classical philosophical interpretation of ancient Greco-Roman religion, medieval Christian philosophy in the service of the Christian religion, and the analysis and critique of religion by modern, religiously autonomous philosophies. *Credit: 3 semester hours.*

3920 Science, Technology, and Religion

Prerequisite: THE 1000C. A comparative study of methods in science with methods in theology, with a view to understanding the relationship between scientific and theological truth. Traditional Church doctrines such as creation, divine providence, original sin, biblical miracles, virginal conception, resurrection and eternal life are re-examined with light from contemporary scientific knowledge. *Credit: 3 semester hours.*

3930 Religion and Psychology

Prerequisite: THE 1000C. A survey of the interpretation of religion in major psychological schools and the application of psychological insights by the Christian churches to their ideals of personality and the Christian way of life. *Credit: 3 semester hours.*

4010 The Jewish Religious Experience in New York (Mini-Course)

Prerequisite: THE 1000C. *Course does not satisfy St. John's University Core requirements.* An exploration of Jewish religious life in New York and the manner in which American life affected it. *Field trips are required. Students responsible for some entrance fees.* *Credit: 3 semester hours.*

4020 Biblical Issues (Mini-Course)

Prerequisite: THE 1000C. *Course does not satisfy St. John's University Core requirements.* An examination of the critical biblical issues for today's living. Issues such as archaeology, evil, fundamentalism, biblical interpretation, Christian-Jewish dialogue are examined, evaluated and discussed. *Credit: 3 semester hours.*

4200 Christian Leadership

Prerequisite: THE 1000C and permission of the instructor. Does not satisfy St. John's University Core requirements. An experience-based exploration into the purpose, dynamics and problems encountered in Christian leadership and service to the community; field experiences in actual service programs are the focus and material for case presentations and discussion. Lectures are geared to further illuminating issues that arise in the context of case discussions. *Credit: 3 semester hours.*

4905 Internship in Theology

Prerequisite: THE 1000C. Does not satisfy St. John's University Core requirements. *Restricted registration.* Fieldwork (eight hours per week) that explores the problems of Christian leadership in programs served by social service agencies, schools, and hospitals under faculty and professional supervision. *Credit: 3 semester hours.*

4910 Internship in Theology

Prerequisite: THE 1000C. Does not satisfy St. John's University Core requirements. *Restricted registration.* Fieldwork (16 hours per week). See THE 4905. *Credit: 6 semester hours.*

4920 Selected Theological Questions

Prerequisite: THE 1000C. Does not satisfy St. John's University Core requirements. Open to students who desire to pursue an in-depth study of particular theological subjects of interest to them under the guidance of a member of the Theology faculty. *Credit: 3 semester hours.*

4930 Reading and Research

Prerequisite: THE 1000C and nine semester hours in THE. Does not satisfy St. John's University Core requirements. *Restricted Registration.* Guided research and reading on an individual basis. Students must submit to the department Chair, in writing and prior to registration, an outline of the subject areas to be researched or read together with written acceptance of the project by a faculty member of their choice. *Open to juniors and seniors only. Prior departmental approval required. Credit: 3 semester hours.*

4950; 4955 New Testament Greek I; II

Prerequisite: THE 1000C. Does not satisfy St. John's University Core requirements. The basic elements of Greek grammar and syntax. Basic vocabulary of New Testament writings. Selected readings from New Testament writings. *Credit: 3 semester hours.*

4990 Seminar

Prerequisite: THE 1000C. Does not satisfy St. John's University Core requirements. An in-depth study of particular theological subjects under the guidance of a member of the Theology faculty. *Required for Theology majors, and open to Theology minors. Credit: 3 semester hours.*

Asian Studies

Nyo Chung, *Adjunct Instructor*, B.A., M.A., Sang Myung College; M.A., Long Island University

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Fine Arts

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Donna S. Geffner, *Professor; Director of Speech and Hearing Center; Director of the M.A. Graduate Program in Speech-Language Pathology*, B.A., CUNY, Brooklyn College; M.A., Ph.D., New York University; former President of ASHA

Sonia Ghazarbekian, *Adjunct Instructor*, B.A., American University of Beirut, Lebanon; M.A., Fairfield University; M.F.A., Boston University

John Giordanella, *Adjunct Assistant Professor*, B.A., J.D., St. John's University

Ronni B. Glass, *Adjunct Instructor*, B.A., New York University; M.A., Hofstra University

Toni Gordon, *Adjunct Assistant Professor*, B.A., M.A., CCNY; Ph.D., CUNY

John B. Greg, *Associate Professor*, B.A., St. John's University; M.A., Ph.D., Wayne State University

Benjamin Halberstam, *Associate Professor*, B.A., Queens College; M.Phil., Ph.D., CUNY

A. Patton Hickman, *Adjunct Instructor*, B.A., Furman University; M.Div., Covenant Theological Seminary

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Sheldon Horowitz, *Adjunct Assistant Professor*, B.A., University of Vermont; J.D., Yale Law School

Michael J. Hostetler, *Associate Professor*, B.R.E., Cornerstone College; M.Div., Trinity Divinity School; M.A., New York University; Ph.D., Northwestern University

Elizabeth Hynes-Musnisky, *Adjunct Instructor*, B.A., Molloy College; M.S., Hofstra University

Marybeth Imsho, *Adjunct Instructor*, B.A., Kean University; M.A., St. John's University

Peggy F. Jacobson, *Assistant Professor*, B.A., University of New Mexico; M.A., New Mexico State University; Ph.D., CUNY

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Flora Keshishian, *Assistant Professor*, B.A., CUNY, Queens College; M.A.; Ph.D., New York University

Renee Laredo, *Adjunct Instructor*, B.A., Lycee Le Corbusier; M.A., M.Phil., Paris I University

Hadassa Legatt, *Adjunct Assistant Professor*, B.A., M.A., CUNY, Hunter College; Ph.D., New York University

Sandy Mazzucco, *Adjunct Instructor*, B.A., Brooklyn College; M.A., New York University

Nancy S. McGarr, *Associate Professor*, B.A., M.S., Adelphi University; Ph.D., CUNY

Virginia McNamara, *Adjunct Instructor*, B.A., Marymount College; M.A., Columbia University Teachers College

Laurence D. Myers, *Associate Professor*, B.A., Pennsylvania State University; M.A., Villanova University; Ph.D., Kent State University

Linda Myers, *Adjunct Instructor*, B.S., Adelphi University; M.S., Long Island University

Angela Murphy, *Adjunct Instructor*, B.S., M.A., St. John's University

Rev. Dr. Chux Okochi, *Adjunct Assistant Professor*, B.A., Urban University, Rome; M.A., Duquesne University

Gail M. Olenick, *Adjunct Assistant Professor*, B.A., M.S., CUNY, Brooklyn College

Rev. Robert M. Pagliari, *Adjunct Assistant Professor*, B.A., St. Alphonsus College; M.A., University of Denver; M.A., Westfield State University; Ph.D., University of Denver

Maureen Pasinkoff, *Adjunct Instructor*, B.A., San Francisco State University; M.A., Hofstra University

Alyssa Pecorino, *Adjunct Instructor*, B.A., Mary Washington College; M.S., Hofstra University

Kelly A. Rocca, *Associate Professor* (Staten Island campus), B.A., Slippery Rock University; M.A., Ph.D., University of West Virginia

Thomas Rosati, *Adjunct Instructor*, B.S., St. John's University; M.S., Adelphi University

Charlene Sanders, *Adjunct Instructor*, B.A., Columbia University; J.D., St. John's University

Edward G. Skirde, *Associate Professor*, B.A., St. John's University; M.A., Ph.D., Pennsylvania State University

Suzanne Thompson, *Adjunct Instructor*, B.A., Boston College; M.A., St. John's University

Christopher Tripoulos, *Adjunct Instructor*, B.S., St. John's University; M.A., New York University

Patricia Veprek, *Adjunct Instructor*, B.A., M.A., St. John's University

Daniel Wackerman, *Adjunct Instructor*, B.A., LeMoyne College; M.F.A., Catholic University of America

James Weiss, *Adjunct Instructor*, B.A., M.S., Long Island University; P.D., Fordham University

Arlene Wisan, *Clinical Coordinator*, B.A., CUNY, Brooklyn College; M.A., CUNY, Queens College

Tom Zangas, *Adjunct Assistant Professor*, B.A., Hofstra University; M.S.W., New York University; Ph.D., Gallaudet University

Theology and Religious Studies

Robert Adamo, *Adjunct Instructor* (Staten Island campus), B.S., St. John's University; M.Div., Seminary of the Immaculate Conception

Ben Bortin, *Adjunct Instructor* (Staten Island), B.A., University of California. M.Div., Starr King School for Religion Leadership.

Elizabeth Brim, *Adjunct Instructor*, B.A., Fordham Univ. M.A., St. Joseph's Seminary.

Raymond F. Bulman, *Professor*, B.A., Kilroe Seminary, Honesdale, PA.; S.T.B., Pontifical Gregorian University; Ph.D., Columbia University

Rev. Stephen Bicsko, C.M., *Adjunct Instructor*, B.A., M. Div., Mary Immaculate College

Rev. Colm Campbell, *Adjunct Instructor*, B.A., Queens University, Belfast; M.A., St. John's University

Rev. Msgr. Thomas Caserta, *Adjunct Assistant Professor*, B.A., Cathedral College; M.Div., Immaculate Conception Seminary; M.A., Fordham University; D.Min., Graduate Theological Foundation, IN

Cynthia Chambers, *Adjunct Associate Professor*, B.A., Capital University; M.L.S., Kent State University; M.T.S., Trinity Lutheran Seminary

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Pamela Dalton, *Adjunct Instructor*, B.A., M.A., P.D., St. John's University

Alice Danaher, *Adjunct Instructor*, B.A., M.Div., St. John's University; M.S., Hunter College; M.A., Fordham University; P.D., College of New Rochelle.

Stephen DeBlasio, *Adjunct Instructor*, B.A., Stonehill College, Ma. M.A., Fordham University.

Christopher Denny, *Assistant Professor*, B.A., St. John's College, MD; M.A., Ph.D., Catholic University of America

Rev. Richard J. Devine, C.M., *Professor*, B.A., Mary Immaculate Seminary and College; M.A., Niagara University; S.T.D., University of Fribourg, Switzerland

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Eileen Fagan, S.C., *Adjunct Instructor*, B.A., College of Mount St. Vincent; M.A., Ph.D., Fordham University

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Rabbi Stanley Greenstein, *Adjunct Instructor*, B.A., Vanderbilt University; Ordination, Leo Baeck College, London, England.

David W. Haddorff, *Associate Professor*, B.A., University of Northern Colorado; M.A., Wheaton College Graduate School, IL; Ph.D., Marquette University

James Hannan, *Adjunct Instructor*, B.A., Philosophy/English, Cathedral College; S.T.B./M.A., Theology, Fordham University. M.A., Theatre, CUNY

Patrick J. Hayes, *Assistant Professor*, M.A., M.Div., Yale University; M.Ed., Columbia University; B.S., Emerson College, Boston. Ph.D., Catholic University of Washington, D.C.

Nicholas Healy, *Professor*, G.G.S.M. (Lond.), Guildhall School of Music and Drama, London, England; M.A., University of St. Michael's College, Toronto, Ontario, Canada; M.A., M.Phil., Ph.D., Yale University

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Mark Kiley, *Associate Professor*, B.A., Boston College; Ph.D., Harvard University

Rev. James W. King, *Adjunct Instructor*, B.S., University of Maryland; M.Div., Seminary of the Immaculate Conception; M.A., Boston College

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Richard Long, *Adjunct Instructor* (Staten Island campus), B.S., University of Kentucky; M.B.A., New York University; M.Div., Seminary of the Immaculate Conception

Colleen Mary Mallon, O.P., *Assistant Professor*, B.A., M.A., Ph.D., The Graduate Theological Union

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David Murray, *Adjunct Instructor*, B.A., Fordham University, Licenciatura In Hispania Philology, University of La Laguna, Spain

Marilyn Nichols, S.S.J., *Adjunct Assistant Professor*, A.B., Nazareth College; M.A., Marquette University; Ph.D., Fordham University

Patrick Okafor, *Adjunct Instructor*, B.Phil., B.D., Seat of Wisdom Seminary, Nigeria; M.A., St. John's University

Monserrat Ocampo, *Adjunct Instructor*, M.S., University of the Philippines; B.S., University of Santo Thomas, Philippines; M.A., St. John's University.

Carole Pacula, *Adjunct Instructor*, B.A., Adelphi University; M.A., Seminary of the Immaculate Conception

Rabbi Mayer Perelmuter, *Adjunct Associate Professor*, B.A., University of Chicago; M.S.W., University of Illinois; M.H.L., D. Min., Hebrew Union College

Edward Prager, *Adjunct Instructor*, B.A., St. John's University; M.S. Fordham University

Rev. Patrick Primeaux, S.M., *Associate Professor*, B.A., University of Southwestern Louisiana; M.B.A., Southern Methodist University; M.A., Ph.D., St. Michael's College, University of Toronto

Habibeh Rahim, *Associate Professor*, B.A., University of Toronto; M.S.T., Harvard Divinity School; A.M., Ph.D., Harvard University

Joseph Roach, *Adjunct Instructor*, B.S., Fordham University; M.A., CUNY, Brooklyn College; M.S., Fordham University

Rev. Jean-Pierre Ruiz, *Associate Professor*, B.A., Cathedral College of the Immaculate Conception; S.T.B., S.T.L., S.T.D., Pontifical Gregorian University

Stephen Rzonca, *Assistant Professor*, B.A., M.A., St. John's University

Gerard Sauer, *Adjunct Instructor*, M.A., M. Div., Seminary of The Immaculate Conception; B.A., Philosophy/Theology St. John's University

Nivard Stabile, O.P., *Adjunct Associate Professor*, B.B.A., St. John's University; M.S., CUNY, Hunter College; M.A., Fordham University; D.Min., Graduate Theological Foundation

Rev. Robert Stephanopoulos, *Adjunct Professor*, B.A., Holy Cross Greek Orthodox School of Theology; B.D., University of Athens School of Theology; Ph.D., Boston University

Denis Sugrue, *Adjunct Instructor*, B.A., M.A., St. John's University; M.Stud, University of Oxford

Maryellen Sullivan, *Adjunct Instructor*, B.A., Niagara University; J.D., M.A., St. John's University

Peter Taras, *Adjunct Instructor*, B.A., City College of New York; M.A., St. John's University

Paul Tonna, *Adjunct Instructor*, B.A., New York University; M.A., Seminary of the Immaculate Conception

Patrick Tracy, *Adjunct Instructor*, B.A., M.A., St. John's University

Gerald S. Twomey, *Adjunct Instructor*, B.A., SUNY-Genesco; M.A., Catholic University of America; Ph.D., Graduate Theological Foundation

Julia A. Upton, R.S.M., *Professor*, B.A., Ohio Dominican College; M.A., St. John's University; Ph.D., Fordham University

Roberta K. Van Buskirk, *Adjunct Instructor*, B.A., Queens College; M.A., St. John's University

Christopher P. Vogt, *Associate Professor*, B.A., College of the Holy Cross; M.T.S., Divinity School, Harvard University; Ph.D., Boston College

Michael Warren, *Professor*, B.A., M.A., Ph.D., The Catholic University of America

Rev. Michael Whalen, C.M., *Associate Professor*, B.A., Niagara University; M.Div., Th.M., Mary Immaculate Seminary; M.A., St. Charles Seminary; M.A., La Salle University; S.T.L., S.T.D., Catholic University of America

Rev. Walter R. Wifall, Jr., *Professor*, B.A., M.Div., M.S.T., Concordia Seminary; Ph.D., The Johns Hopkins University

Jerrold Ross, B.S., M.S., Ph.D., D. Hum.,
(Hon)Dean

Barbara J. Nelson, Ed.D., Associate Dean for
Academic Affairs

Colleen T. Fogarty, O.P., Ph.D., Associate
Dean for Graduate Studies

Steven S. Kuntz, Ph.D., Associate Dean
(Staten Island)

Charisse E. Willis, P.D., Assistant Dean and
Director for Undergraduate Studies

Lydia Haluska, M.A., Assistant Dean for
Undergraduate Studies

Susann Ragone, P.D., Assistant Dean
(Staten Island)

Kelly K. Ronayne, M.A., Assistant Dean for
Graduate Admissions

Rosette M. Allegretti, M.A., Assistant to the
Dean (Staten Island)

Steven C. Rosenberg, P.D., Director of Field
Experiences, Certification Officer

Paul J. Pedota, P.D., Coordinator of N.Y.C.
Teaching Fellows, Certification Officer

Patrick J. Dunphy, M.B.A., Director of
Planning & Financial Affairs

Objectives

Graduates from baccalaureate programs in the School of Education at St. John's University are competent, caring professionals who have acquired expertise in communication, professional knowledge and skills, and the conceptual frameworks of their chosen academic areas, and who prize and practice the values of committed service. Students enjoy abundant opportunities to nourish and develop the ability to create a productive and effective learning environment, plan and implement instructional activities, monitor and assess student learning and interact effectively with peers, pupils or clients and other personnel in education institutions or service organizations.

Note: Due to changing requirements for New York State Teacher Certification and anticipated changes in program and course requirements, students must maintain consistent contact with their academic advisors.

Accreditation

The School of Education's teacher education program is accredited by TEAC, the Teacher Education Accreditation Council, and includes the Undergraduate degree and license in Childhood Education, Childhood/Special Education 1-6, and Adolescent Education (7-12); Graduate degree and license in Adolescent Education, Childhood Education and Early Childhood Education; Teaching Literacy, B-6 and B-12; Special Education – Teaching Fellows in Childhood Education, Special Education and Mathematics.

Degrees and Programs Available

(Queens and Staten Island)

The School of Education offers a variety of programs and degrees. These programs express the University's Catholic atmosphere, which welcomes diversity of religious beliefs and emphasizes respect and dignity of the human person, regardless of race, color or creed and prepares you for a career in service of your fellow men and women. For students committed to a vision of life and the world, preparation for these professional careers is seen in the context of the Vincentian tradition to care for those in our society.

- B.S. in Adolescence Education for qualified students wishing to teach in middle school and high school settings in: English, Mathematics, Physics, Biology (Queens only), Social Studies, and Spanish (Queens only) for grades 7-12.
- B.S. in Childhood Education for students wishing to prepare as teachers of first through sixth grade.
- B.S. in Education (Childhood and Childhood Special Education) for students wishing to prepare as teachers of grades 1-6 and teachers of childhood special education, grades 1-6.

Advanced Placement

The School of Education awards advanced placement and credit to those entering freshmen who earn a requisite score on the College Entrance Examination Board's Advanced Placement and/or CLEP exams.

Placement and the number of college credits appropriate to the academic development of the qualified student are determined by the Dean's Office.

Upperclass students who wish to take CLEP or other credit-by-test exams must receive prior approval from the Office of the Dean if such credit is to be applied to the School of Education degree.

Note: All CLEPS must be completed before senior year.

Programs of Study

Teacher Certification

Completion of an undergraduate program in the School of Education, or a minor in Adolescence Education through St. John's College for Liberal Arts and Sciences normally entitles a student to receive initial New York State Certification, provided the student has successfully completed the appropriate, approved program, including associate teaching, violence prevention and child abuse seminars, and has passed the certifying examination(s) specified by the New York State Education Department.

Requirements for teacher certification vary from state to state, therefore, students who seek teacher certification outside of New York State, should write to the appropriate state Education Departments for copies of their latest certification regulations.

The State of New York mandates that those who complete requirements for graduation pass several New York State Certification examinations. The latest passing rates of St. John's graduates for initial certification can be found on the Web. at www.nysed.gov/tcert.

Please see the St. John's University certification specialist in the School of Education.

For information on the School of Education room location, visit our Web site www.stjohns.edu.

**B.S.Ed. in Education—
Childhood Education
(gr. 1–6) 132 Credits**

This B.S. in Education program requires the completion of course work in liberal arts (57 credits), professional education (51 credits) and an academic content area (24 credits). All students are required to complete a program of studies which includes:

Liberal Arts (57 Credits)	
University Core Curriculum	48 credits
MATH (by advisement)	3 credits
BIO 1050	3 credits
ART 1030	3 credits
Professional Courses (51 Credits)	
EDU 1000	3 credits
EDU 1001	3 credits
EDU 1003	3 credits
EDU 1004	6 credits
EDU 1005	3 credits
EDU 1006	3 credits
EDU 1007	3 credits
EDU 1008	3 credits
EDU 1010	3 credits
EDU 1011	3 credits
EDU 1015	3 credits
EDU 1016	3 credits
EDU 1021	12 credits

Academic Content Area and Electives (24 Credits)

Student selects one content area: English, Mathematics, Modern Foreign Language, Psychology, Sociology, Science or Social Studies. Specific courses for the academic content area are selected in consultation with the student's advisor.

**B.S. in Education—
Dual Certification in
Childhood Education
(gr. 1–6) and
Special Education (gr. 1–6)
144 Credits**

This B.S. in Education program requires the completion of course work in liberal arts (57 credits), professional education (63 credits), and an academic content area (24 credits). All students are required to complete a program of studies which includes:

Liberal Arts (57 Credits)	
Professional Courses (63 Credits)	
EDU 1000	3 credits
EDU 1001	3 credits
EDU 1003	3 credits

EDU 1004	6 credits
EDU 1005	6 credits
EDU 1006	3 credits
EDU 1007	3 credits
EDU 1008	3 credits
EDU 1009	6 credits
EDU 1010	3 credits
EDU 1011	3 credits
EDU 1015	3 credits
EDU 1016	3 credits
EDU 1021	12 credits
EDU 1023	6 credits

Academic Content Area and Electives (24 Credits)

Student selects one content area: English, Mathematics, Modern Foreign Language, Psychology, Sociology, Science or Social Studies. Specific courses for the academic content area are selected in consultation with the student's advisor.

**B.S. in Education—
Adolescence Education
(gr. 7–12) 129–130 Credits**

This B.S. in Education program requires the completion of coursework in liberal arts (57 credits), professional education (30-31 credits) and an academic content area: English (30 credits), mathematics (30-31 credits), modern foreign languages/ Spanish (33 credits), physical science (30–31 credits), and social studies (30 credits). All students are required to complete a program of studies which includes:

Liberal Arts (57 Credits)	
University Core Curriculum	4 credits
MATH (by advisement)	3 credits
BIO 1050	3 credits
ART 1030	3 credits

Professional Courses (36 Credits)	
EDU 1000	3 credits
EDU 1002	3 credits
EDU 1008	3 credits
EDU 1011	3 credits
EDU 1012	6 credits
EDU 1013 either or	6 credits
EDU 1014	6 credits
EDU 1015	3 credits
EDU 1022	9 credits

Academic Content Area (30–37 Credits)

Student selects one content area: Biology (37 credits), English (30 credits), Mathematics (30 credits), Modern Foreign Languages/Spanish (30 credits), Physical Science (31 credits), or Social Studies (30 credits). Specific courses for

the content area are selected in consultation with the student's advisor.

Academic Information

Advisement

Advisement involves a close relationship between student and advisor. Each student is assigned an advisor with whom he/she is expected to consult regarding the program. A student who has questions about the advisement process should consult the Dean's Office. The student is scheduled by the University Freshman Center for classes during the first semester of the freshman year. For the remaining semesters, the student must plan a course of studies with the assigned advisor. By the second semester of their freshman year, the student in teacher education must file a declaration of academic concentration.

In March of the year preceding the Associate Teaching Experience, students should consult with the Director of Field Placement. Service-Learning students involved in Service Learning should consult with the Professor and the Service Learning Office in the University Center.

Pass-Fail Option

The Pass-Fail Option is open only to sophomores, juniors and seniors or to a student who has completed a minimum of 25 credits and whose current quality point index is at least 2.0. It is limited to three credits per semester and to six credits per academic year. The total over three years, including summer sessions, may not exceed 18 credits.

For Education majors, the Pass-Fail Option is not permitted in Education courses. This does not include Associate Teaching which is offered only a Pass-Fail basis. Although the Pass-Fail Option is permitted in areas of academic concentration, students are not permitted to apply this option to more than two courses.

Application for the Pass-Fail Option must be completed in the Dean's Office by the last day designated for withdrawal from class without receiving academic penalty. See the Academic Calendar for specific withdrawal dates.

Attendance Policy

Regular and prompt attendance is expected of all students. Absence from class does not excuse a student from work missed. Students are responsible for all announced tests and for submitting, at the proper time, all assignments given in class. Ignorance of such tests and assignments is no excuse for failure to complete them.

Students are allowed three absences from class in either three- or six- credit courses. Students who miss more are subject to automatic withdrawal from the course.

Academic Standing

A student is in good standing if enrolled as a matriculated student in a program of study leading to a degree, diploma, or certificate and is making satisfactory progress toward the completion of the program of study. Satisfactory progress is divided into two categories:

- A. Non-Probationary: All students must maintain a 3.0 cumulative quality point index. Students must have passed the LAST, ATSW and CST by the completion of their junior year.
- B. Probationary: In conjunction with guidelines for New York State teacher certification, a student whose cumulative quality point index is below 2.5 will be referred to the Faculty Academic Fairness Committee. If, in the judgment of the Committee, the student considered to be making acceptable progress toward the above 3.0 cumulative quality point index, he/she will be permitted to continue on a matriculated basis.
- C. Link to the New York State Certification Web site for information on certification www.nysed.gov/tcert.

Supervised Associate Teaching

Only students who are in good academic standing and completing an approved School of Education program including prior fieldwork courses are eligible for an assignment in supervised associate teaching.

Recommendations for such assignments depend upon evidence of potential teaching ability as manifested in part by (1) proficiency in both oral and written English; that is, having a grade point average of 3.0 in Speech and English course work; (2) good health as determined by a comprehensive physical examination completed by the student's family physician (a recent chest X-ray report within 12 months of the start of the student teaching experience must be placed on file in the Health Counselor's Office); (3) acceptable scholastic averages, of 3.0 in general, and areas of specialization, and 3.0 in professional course work; (4) previous performance in education courses all of which must be completed before associate teaching, and (5) passing scores on the LAST, ATSW and CST tests of the New York State Teacher Certification Examinations.

Associate teaching in most programs requires full-time attendance in a field school. Students enrolled in this course must plan to take their additional program requirements after they return from their field schools. Attendance at a weekly seminar is required.

Applications for associate teaching must have the approval of the Director of Field Experience. Applications for associate teaching in both the fall and spring semesters must be submitted to the Field Experience Office, Sullivan Hall, Room 524, during, student's junior year. For placement, the student must be acceptable to the school to which he/she is assigned. The University cannot and does not guarantee that its students will be placed as associate teachers.

Instructional Materials Center

The Instructional Materials Center (IMC) is a unique part of the University libraries supports and enriches the programs of the School of Education. The IMC collects and disseminates specialized information for the students with the nationwide assemblage of curriculum guides, textbooks and accompanying materials, audio-visual teaching aids and hardware, three-dimensional learning tools, publisher and distributor catalogues, educational and psychological tests, computers and software.

The existence of the IMC should enable pre-service and in-service teachers to examine the latest curriculum materials available in order to develop competency and familiarity. It is located on the fourth floor of the Main Library.

Honor Societies

Dean's Scholars, the School's most prestigious organization, is comprised of the top students in the School. These members act as ambassadors, leaders and role models. Sophomores and Juniors with a cumulative GPA of 3.75 are invited to apply.

Kappa Delta Pi is a national honor society dedicated to teaching, whose aim is to foster high standards of teacher preparation and invite fellowship to those who have attained excellence in scholarship and distinction of achievement as students. The required GPA is 3.5.

Service Program

Education Society is a community service organization whose goal is to support pre-service teachers' involvement in assisting those in need in service settings.

Special Programs

America Reads*America Counts

America Reads*America Counts is a mentoring and tutoring program providing services to grades K-9. Students in this program tutor children attending local elementary and junior high schools in the community. In order to become a part of the America Reads*America Counts program, a student may be enrolled in any college within the University but must maintain a minimum GPA of 2.0. This program offers an excellent opportunity for students wishing to take advantage of the college work-study program, as well as those interested in volunteering and becoming a part of the St. John's University community.

Teacher Opportunity Corps

The Teacher Opportunity Corps is an innovative, specialized teacher training program which focuses on the problem of reaching and teaching students at risk of truancy, academic failure and dropping out. The program encourages prospective teachers to develop the professional knowledge, skills, and attitudes that will prepare them to work effectively and productively with racially, culturally, and linguistically diverse students. The benefits of joining the Teacher Opportunity Corps include academic and career counseling, financial assistance, NYSTCE preparation, tutoring and mentoring opportunities, and group social events.

Jumpstart

Jumpstart is a national early literacy organization that works towards the day when every child in America enters school prepared to succeed. Jumpstart accomplishes this mission through supporting corps members to work individually with young children in preschool settings.

During Jumpstart's school year program, preschool children are paired with Jumpstart corps members for focused attention to build language and literacy, initiative, and social relations skills. All children in Jumpstart are chosen on teacher evaluations.

Children participate in groups of 8-10, with their assigned corps members, in a two-hour Jumpstart session twice a week. During the session, corps members implement a curriculum focused on Jumpstart's 17 School Success Outcomes.

Course Offerings

1000 Foundations of Education

An examination of the history, philosophy and role of education, current issues in education, the concept of professional career development and of managing and developing personal and community resources. *Credit: 3 semester hours.*

1001 Learning and Development—Childhood (grades 1–6)

Interdisciplinary study of human learning, growth and development, and growth sequences as impacted by cultural, sociological, psychological and environmental factors through childhood; principles of motivation, communication, classroom management and learning processes; implications for and application to educational practice for the optimization of students' growth and learning. *Fieldwork required. Credit: 3 semester hours.*

1002 Learning and Development—Adolescence (grades 7–12)

Interdisciplinary study of human learning, growth and development focusing on the adolescent years. Study in dynamics of cultural, sociological, psychological and environmental influences; implications for assessments and for selection of appropriate strategies to address pupil characteristics and content-area standards. Appropriate field experiences to integrate educational theory and practice. *Credit: 3 semester hours.*

1003 Field Work: Observation Analysis and Creative Activities

Introduction of students into schools; interaction with pupils, peers and teaching personnel. Major emphasis on developing systematic skills in observation and analysis of teaching. *Credit: 3 semester hours.*

1004 Language Acquisition and Literacy (grades 1–6)

Students gain an operational perspective on language acquisition and literacy development of native English-language learners. *Credit: 6 semester hours.*

1005 Language Arts, Social Studies and Multicultural Education

This course focuses on the skills of inquiry, critical thinking and problem-solving as they relate to the examination and analysis of cross-cultural characteristics and needs of culturally diverse and/or linguistically different children and youth in the teaching of social studies and language arts. Curriculum and methods of teaching social studies (including an emphasis on New York City and New York State) and of developing literacy in elementary learners and middle school will be studied in the context of the impact of cultural difference on students' learning and experiences in multi- and monolingual urban school settings. *Fieldwork required. Credit: 3 semester hours.*

1006 Methods of Teaching Mathematics

Study of curriculum development, instructional planning, instructional strategies and materials used in the teaching of mathematics for students within the full range of abilities. Special emphasis on differentiating instruction to address pupils' needs, assessing pupils' progress and utilizing instructional technology. *Fieldwork required. Credit: 3 semester hours.*

1007 Methods of Teaching Science

Study of curriculum development, instructional planning, instructional strategies and materials used in the teaching of science for students within the full range of abilities. Special emphasis on developing thinking strategies through the scientific method, assessing pupils' progress, differentiating instruction in response to assessments and utilizing instructional technology. *Fieldwork required. Credit: 3 semester hours.*

1008 Foundations of Special Education

An overview of students within the full range of abilities encompassing their physical, cognitive, social and psychological needs. Focus is on characteristics of learners with disabilities; the historical, social and legal foundations of special education; assessment strategies and intervention techniques; individualizing instruction and working as a team member with special student populations; use of assistive and instructional technology and vocational considerations in programming for exceptional children. *Fieldwork required. Credit: 3 semester hours.*

1009 Methods for Childhood Special Education

This course covers curricula, methods, and materials for teaching disabled learners across the spectrum of types and severity levels of disabilities. The "skill areas" of oral and written language (including reading and writing) and mathematics will be targeted. *Fieldwork required. Credit: 6 semester hours.*

1010 Multicultural Education

Study of curriculum development, instructional planning, instructional strategies and materials used in teaching multicultural education for students within the full range of abilities. Emphasis will be placed on introducing pre-service educators to diversity to assist them to understand the issues involved with a diverse nation, guiding them to think critically and reflectively about the decisions they will make as teachers. *Credit: 3 semester hours.*

1011 Human Relations in Inclusive Settings

Working with students with the full range of abilities as individuals and as members of groups, with emphasis on personal awareness and interpersonal communication. Parent and community involvement as well as focus on appreciation of the values and cultures of English language learners. Cooperative learning projects, seminars and individual projects will be carried out as models for classroom practice utilizing human relations skills and group dynamics. *Credit: 6 semester hours.*

1012 Language Acquisition and Literacy/Adolescence

The sociological, linguistic and developmental context of language and learning are emphasized. Reading and language arts for grades 7–12 are approached as a cognitive developmental process, as integrated and interrelated, as occurring within a social context, and as vital for success in school and life. *Credit: 6 semester hours.*

1013 Methods for Secondary Education—Social Studies, English and Modern Foreign Language

This course combines study of recognized subject-matter teaching methods at the secondary level with practicum experience. Students are required to observe and analyze the environment, observe and participate in the teaching/learning process and develop understanding and appropriate applications of classroom management. *Fieldwork required. Credit: 6 semester hours.*

1014 Methods for Secondary Education: Math and Science

This course combines study of recognized subject-matter teaching methods at the secondary level with practicum experience. Students are required to observe and analyze the environment, observe and participate in the teaching/learning process and develop understanding and appropriate applications of classroom management. *Fieldwork required. Credit: 6 semester hours.*

1015 Technology and Society: School, Community, Workplace

This course focuses on technology, in both instructional and assistive capacities, community and the workplace, in order that students may develop skill in technology to acquire information, communicate and enhance learning across the seven areas of knowledge described in the State Learning Standards. *Credit: 3 semester hours.*

1016 Art and Music in Inclusive Settings

This course examines the process of integrating the studio arts into the curriculum for students with the full range of abilities and considers various developmental influences from childhood through adolescence. *Credit: 3 semester hours.*

1021 Student Teaching and Seminar/Childhood Education

Observation and participation in teaching in an approved elementary school under University supervision. Students have student teaching experiences at the 1–3 and 4–6 grade levels. Attendance at a weekly seminar is required. *Credit: 12 semester hours.*

1022 Student Teaching and Seminar/ Adolescence

Observation of and participation in teaching in an approved secondary school in the student's major field under University supervision. Students have experience at the 7–9 and the 10–12 grade levels. Attendance at a weekly seminar is required. *Credit: 9 semester hours.*

1023 Student Teaching and Seminar/ Childhood Special Education

This course entails two extended periods of observation and participation in Special Education situations under University supervision. One student teaching will be with special-needs children of the first-, second-, or third-grade level, and one experience will be with comparable children at the fourth-, fifth-, or sixth-grade level. Particular attention is paid to issues of assessment, diagnosis and evaluation of students with disabilities. *Attendance at a weekly seminar is required. Credit: 6 semester hours.*

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Richard Sinatra, *Professor*, B.A., Lafayette College; M.S., P.D., Ph.D., Hofstra University

John Spiridakis, *Professor*, B.A., State University of New York at Stony Brook; M.S., Ph.D., Florida State University

The Peter J. Tobin College of Business

Charles M. A. Clark, Ph.D. *Associate Dean for Faculty Affairs*

Susan V. Bradley, B.A., M.B.A., *Assistant Dean, Staten Island campus*

Michele Dell'Anno, B.A., *Assistant to the Dean*

Mary Ellen Guthenberg, B.A., M.A., M.B.A., *Senior Assistant Dean, Queens campus*

Renee Hughes, B.S., M.B.A., *Assistant to the Dean*

Douglas F. Leary, B.S., M.B.A., *Assistant Dean, Queens campus*

Robert M. Mangione, B.A., M.A., *Assistant to the Dean, Queens Campus*

Susan M. McTiernan, E.D.M., *Associate Dean for Graduate Programs and External Affairs*

Donna M. Narducci, B.S., M.S., Ed.D., *Associate Dean and Director of TCB Programs, Staten Island campus*

Cynthia R. Phillips, B.S., M.B.A., *Associate Dean for Administration*

Kevin L. Shea, B.A., M.B.A., P.D., *Assistant Dean, Staten Island campus*

Anita Y. Webb, *Advisement Coordinator, Manhattan Campus*

Objectives

The Tobin College of Business prepares graduates for rewarding managerial and professional careers.

Its educational programs combined with progressive technology provide the practical experience, solid knowledge base, strong ethical foundation and global perspective graduates need to make immediate and valuable contributions as business professionals.

The Tobin College of Business faculty carries out its responsibility for this preparation through excellence in teaching, supported by a commitment to applied business research.

Programs of Study

The Tobin College of Business offers the Bachelor of Science degree with majors in accounting, actuarial science, economics, finance, management, MIS, marketing, and risk management and insurance.

On June 1, 2001, The College of Insurance (TCI) merged with St. John's University. TCI is now the School of Risk Management, Insurance, and actuarial science, a division of The Peter J. Tobin College of Business. The School of Risk Management offers the B.S. degree in actuarial science and risk management and Insurance. The Tobin College of Business also offers five-year programs in accounting. These programs are available to qualified St. John's undergraduate majors in accounting. The combined B.S./M.S. and M.B.A. programs in accounting provide a unique opportunity to complete both B.S. and M.S. or M.B.A. degrees with five years of full-time study. Interested students should apply to the program in the second semester of the junior year of undergraduate study. Completion of both the Bachelor and Master of Science degrees qualifies the candidate for a one-year waiver of experience for licensure as a CPA in New York State. Careful selection of courses may enable a student to obtain a secondary concentration or minor.

Programs of study in the Tobin College of Business are reviewed from time to time. The faculty expressly reserves the right to make alterations to the curriculum consistent with the needs of business.

Professional Accreditation

The College of Business is accredited by the AACSB International—the Association to Advance Collegiate Schools of Business. The Tobin College is one of the fewer than 20% of business programs in the United States and Canada that have attained this prestigious accreditation.

Accreditation standards have evolved to meet the contemporary needs of business, the professions, government and graduate and professional schools. By exceeding the quality standards for accreditation in professional education for business and management, the Tobin College of Business constitutes a sound choice for the prospective student. AACSB standards include an evaluation of faculty adequacy and competence, admission standards and performance standards for the student body, library facilities, computer equipment, financial support of the institution and the content and breadth of both the professional and non-professional curricular requirements. The professional curriculum in an AACSB accredited school stresses a working knowledge of the major business disciplines, proficiencies in the use of analytical techniques in arriving at logical solutions to management problems and an appreciation for and dedication to the social and ethical responsibilities of the business manager.

Specific Entrance Requirements

16 high school units (or appropriate score on the GED):	
English	4
History	1
Science	1
Mathematics	3
Academic Electives	7

The recommended sequence of high school mathematics courses includes Elementary Algebra, Plane Geometry or Tenth Year Mathematics, and Intermediate Algebra and Trigonometry or Eleventh Year Mathematics or Mathematics "A" and "B."

Those students who wish to transfer to the Tobin College of Business from another institution or from within the University should consult the appropriate section of the Bulletin.

Advanced Placement/CLEP

Applicants to the College are encouraged to take the examinations of the Advanced Placement (AP) program, and the College Level Examination Program (CLEP). Those who score sufficiently high may receive credit toward the Bachelor's degree. Test results should be sent to the Office of Admissions.

Transfer Credit

Undergraduate programs in business administration in an AACSB-accredited school concentrate the professional courses in the last two years of a four-year program. Only a limited amount of work in business courses is offered below the junior year. The objective is to permit the student to acquire a foundation of work in the basic arts and sciences as a prerequisite for professional courses in business.

Students planning to take their first two years of work at a junior college are advised to take a majority of their work in the arts and sciences, including a strong background in mathematics. Junior-college students should take only those courses in business that are offered as freshman- and sophomore-level courses in the Tobin College of Business. These lower division courses are numbered 1301 through 2399.

Courses that are offered as upper division work in the Tobin College of Business must be validated before credits are recognized.

Degree Requirements

A minimum of 124 semester hours of credit for non-accounting, non-actuarial science majors, a minimum of 121 semester hours for accounting majors, and a minimum of 132 semester hours for actuarial science majors, with a 2.0 cumulative quality point index and a 2.0 major field index, are required for the Bachelor of Science degree in the Tobin College of Business. The following courses are required.

Please refer to the Core Curriculum section in the front of the bulletin and consult the Dean's Office in the Tobin College of Business for additional information.

Basic Liberal Arts Core— All Majors Except Actuarial Science

	Credits
PHI 1000, 2220, 3000	9
ECO 1301, 1302	6
ECO Elective	3
DNY 1000	3
HIS 1000	3
Language/Culture	6
SPE 1000	3
ENG 1000	3
ENG 1100	3
English Elective	3
MTH 1320	3
SCI 1000	3
THE 1000	3
One course from THE 2200–2500	3
THE 3305	3

Liberal Arts Elective

The liberal arts electives should be chosen in consultation with an advisor.

TOTAL	63
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General Electives

Students may select credits from professional subjects or from the liberal arts and sciences, in consultation with an advisor.

Basic Business Core— Varies by Major

Fields of Specialization

Accounting:

(Queens, Staten Island)

ACC 2338, 2339, 3341, 3342, 3345, 3354, 4247 and TAX 3261, plus four (4) courses from the following list: ACC 4243, 4244, 4248, 4251, 4255, TAX 4262, 4263.

TOTAL	30
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Actuarial Science:

(Manhattan)

ACC: 3322, 3333, 3334, 3335, 4336, 4347, 4348, 4349

Economics:

(Queens)

ECO 3303, 3341, 3343	9
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Professional Electives:

12 credits from the following: 12
ECO 3306, 3307, 3313, 3323, 3335, 3344, 3345, 3346, 3347, 3348, 4340, 4350, 4399; not more than six credits from outside of economics; FIN 3311, 3312, 3315, 3316, 3318, 4317; DS 3338; MKT 3312

TOTAL	21
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Note: Economics majors are urged to take ECO 4350 among their elective courses.

Credits

Finance:

(Queens, Staten Island)

FIN 3311, 3312, 3316	9
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Professional Electives:

12 credits from the following: 12
ECO 3323, 3341, 4340, 4345 (not more than six credits from economics) FIN 3311, 3315, 3318, 4317, 4350, 4399

TOTAL	21
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Note: Finance majors are urged to take FIN 4350 among their elective courses.

Management:

(Queens, Staten Island)

MGT 3331, 3323,	6
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Professional Electives:

15 credits from MGT 15

TOTAL	21
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Management Information Systems:

(Queens)

CIS 3347, 3352	6
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MGT 3340, 3342	6
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Professional Electives:

9 credits from the following:
ACC 3354; CIS 3339, 3345, 3349, 3351, 4399; MGT 3344, 3346, 4348; LAW 4314

TOTAL	21
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Marketing:

(Queens, Staten Island)

MKT 3311, 3312	6
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Professional Electives:

15 credits from MKT 15

TOTAL	21
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Risk Management and Insurance*:

(Manhattan)

RMI 2301, 3360, 3361, 4390	12
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Professional Electives:

9 credits from RMI 9

TOTAL	21
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**Courses may be offered in Queens.*

Student Responsibility

It is the responsibility of students to make certain that their academic records are in proper order at the time they make application for the bachelor's degree. Should students be unable for any reason to take a prescribed course in the regular semester, it is their responsibility to take the course later. They should not expect a waiver for the course at a subsequent date, nor should they expect that the course be offered at an unusual time to meet their personal convenience.

Special Programs

Minors

Many departments offer minors which are available to Tobin College of Business students. Students may choose a minor as a way of organizing elective courses. Minors must be chosen in consultation with a Tobin College of Business advisor and must be approved by the Dean of the college or school through which the minor is offered. Most minors cannot be completed within the normal credit hour requirements of the baccalaureate degree.

Professional Honors Program

The College introduced a Professional Honors Program in the Fall of 1967 to promote the talents of outstanding students in business and develop more effective administrators. The program provides an opportunity for selected undergraduate students to enter seminars that enrich classroom experiences.

The major component of the Professional Honors Program is the Executive-in-Residence Program, which is designed to provide a forum for interaction between practicing executives and the business student. Students are helped in developing greater awareness of the numerous implications of upper-level management decisions. Theoretical course work is complemented with practical insights. The program enables students to broaden their perspectives of the management of organizations in various fields. Upper-level executives from private, quasi-public and public organizations meet with students to discuss how they make decisions.

The Executive-in-Residence Program was developed through the cooperation of Borden, Inc. The program has included the participation of executives from Arthur Anderson LLP, Brooklyn Union, Consolidated Edison, Coopers & Lybrand LLP, Deloitte & Touche LLP, Farrell Lines, Inc., Fleet Bank, Genovese, Inc., Merrill Lynch, Price Waterhouse LLP, Sony Corporation and Thompson Corporation.

Invitations to join the program are extended to students entering senior year with 90 credits. Selection is based upon the student's index (3.4 minimum) and faculty recommendations. Participants are required to attend a two-semester, six-credit seminar

during which they develop skills in problem solving and analysis and heightened awareness of upper-level management concerns and problems.

The Honors Program offers the challenge of independent and cooperative research and provides for the development of individual initiative, all of which teach students how to make decisions.

Co-Curricular Activities

To encourage professional development outside formal coursework, the Tobin College of Business offers its students professional societies in each major field of study. These societies are run by the student members with the guidance of a faculty moderator. Though each society emphasizes a particular business discipline, membership is generally open to all students.

Among the co-curricular activities in the Tobin College of Business are:

- Accounting Society
- APICS, The Educational Society for Resource Management
- Advertising Club
- Economics and Finance Society
- Marketing Club
- National Association of Black Accountants

Academic Information

Attendance Regulations

In all freshman, sophomore and professional courses, regular and prompt attendance is required. Students are responsible for absences incurred as a result of late registration or suspension. Students absent six hours in a two-semester-hour course, nine hours in a three-semester-hour course, 12 hours in a four-semester-hour course, or 15 hours in a five-semester-hour course may be denied credit for the course.

In all junior and senior professional courses, attendance shall be optional at the instructor's discretion.

Absence from class does not excuse the student from class assignments, recitations, readings, term reports, examinations and any other academic work designated by the instructor as a part of the respective courses.

For Military Science courses and drills, attendance regulations are stipulated in the Cadet Handbook and Regulations.

Pass-Fail Option

This option encourages students to choose challenging courses for their general electives without prejudice to their quality point index.

The option is open to students whose current quality point index is at least 2.0. It is open to the general elective courses and the Liberal Arts electives only. It may not be exercised for other courses. In no case will the quality point index be affected; a Pass will be credited toward the degree. However, courses in the student's major which are to be used for general elective credit are not eligible for the Pass-Fail Option.

Application for this option must be made in the office of the Academic Dean by the withdrawal date. A student may also change the status from the Pass-Fail Option to a regular grade up until the withdrawal date.

Honor Societies

Alpha Delta Sigma

This is the national advertising honor society sponsored by the American Advertising Federation.

Alpha Mu Alpha

Alpha Mu Alpha is a national marketing honor society sponsored by the American Marketing Association to recognize and reward scholarship among students of marketing.

Beta Alpha Psi

Beta Alpha Psi is the national scholastic honor society in accounting. Its objective is to encourage and recognize scholastic excellence in that field.

Beta Gamma Sigma

Iota Chapter of Beta Gamma Sigma, the national scholastic honor society for colleges of business administration, was established at St. John's University in 1968, following the accreditation of the College by the American Assembly of Collegiate Schools of Business.

Omicron Delta Epsilon

Theta Chapter of Omicron Delta Epsilon, the national honor society in economics, was established at St. John's University in 1958.

Sigma Iota Epsilon

Sigma Iota Epsilon is the national scholastic honor society in management. Its general purpose is two fold: to encourage and recognize scholarly excellence and to promote cooperation between the academic and practical aspects of management.

Course Offerings

All course credits are listed in semester hours. For descriptions of courses other than those listed here, consult the index for location of other departments.

Each course number has four digits. The first of these digits shows the class level of the course. These are designated as follows:

- 1 designates freshman level
- 2 designates sophomore level
- 3 designates junior level
- 4 designates senior level

The second digit shows the number of credit hours for the course. The last two digits reflect the course number. For example, Management 4322 would be interpreted as follows: The first digit (4) indicates that this is a senior level course. The second digit (3) indicates that this is a 3 credit course. The last two digits indicate that this course is Management 22, i.e., Management Information Systems.

No student is permitted to enroll in any junior-or senior-level business course without the designated prerequisite(s). Additionally, no student is permitted to enroll in any junior-level business course until Math 1320 and DS 2333 have been completed.

Department of Accounting and Taxation (ACC)

Victoria Shoaf, Ph.D., C.P.A., Chair

2338 Fundamentals of Accounting I

A user-oriented introductory course in accounting that focuses on the link between accounting information and decision making. It emphasizes the strengths and weaknesses of reported accounting information for making different types of business decisions. Topics include the basic accounting framework and concepts; cash flows, income reporting and financial position; the accounting process; and the financial statement elements. *Credit: 3 semester hours.*

2339 Fundamentals of Accounting II

Prerequisite: ACC 2338. An introductory course in financial and managerial accounting that focuses on the link between accounting principles and the multiple users of accounting framework and concepts; the accounting process; financial statement preparation and analysis; and financial statement elements for both corporate and partnership-type organizations. Particular attention will be paid to the ethical and international aspects of accounting. *Credit: 3 semester hours.*

3345 Principles of Cost Accounting (formerly 3245)

Prerequisite: ACC 2339. Examination of techniques and methods of cost accounting: materials control, accounting for labor, nature and application of manufacturing overhead, job order costs and process costs. *Credit: 3 semester hours.*

3346 Advanced Cost Accounting (formerly 3246)

Prerequisites: ACC 3345 and DS 2333. The use of cost accounting principles and practices in managerial planning and control with respect to product pricing and production efficiency: standard costs, joint product and by-product costs, profit-volume analysis, direct costing and capital budgeting. *Credit: 3 semester hours.*

3354 Accounting Information Systems (formerly 3254)

Prerequisite: ACC 2339. This course provides an overview of various accounting information and communication systems and discusses various controls used by an entity with complex systems to monitor and assess its systems' risks. The course considers various control procedures relating to information systems including database structures, networking, client servers and distributed systems as well as controls affecting such communication systems as electronic data interchange and the Internet. The systems will be discussed in an effort to enable the student to identify potential weaknesses in the systems and recognize the appropriate mitigating controls. *Credit: 3 semester hours.*

3341 Intermediate Accounting I (formerly 3441)

Prerequisite: ACC 2339. An introduction to the use of accounting in the control and reporting of business operations. Basic accounting postulates are examined, and the principles applicable to assets and liabilities are explored. Standards promulgated by the Financial Accounting Standards Board and other professional standard setting bodies are integrated into the course. *Credit: 3 semester hours.*

3342 Intermediate Accounting II (formerly 3442)

Prerequisite: ACC 3441. Financial statements as a means of communicating necessary information to stockholders, creditors and others interested in the status of the business enterprise; the accounting treatment of assets, liabilities and equity are examined in depth. Special statements and financial ratios are covered. *Credit: 3 semester hours.*

4243 Advanced Accounting I (formerly 4343)

Prerequisite: ACC 3342. Advanced Accounting theory applied to the formation, acquisition and liquidation of corporations. Principles applicable to purchase and pooling of interests are explored, and consolidated financial statements of parents and subsidiaries are reviewed. *Credit: 2 semester hours.*

4244 Advanced Accounting II (formerly 4344)

Prerequisite: ACC 4243. Special accounting procedures and problems with respect to entities such as partnerships, estates, trusts and governmental not for profit and foreign financial statements and subsidiaries. Also studied are accounting issues relating to disaggregated disclosures, interim financial statements and SEC reporting. *Credit: 2 semester hours.*

4247 Principles of Auditing

Prerequisite: ACC 3342. Introduction of auditing theory and techniques used in examination of financial statements, including the generally accepted auditing standards, role of internal control, importance of auditor's independence, effects of electronic data processing and uses of statistical sampling. A study of professional ethics and the possible legal liability of the auditor. *Credit: 2 semester hours.*

4248 Advanced Auditing

Prerequisite: ACC 4247. The preparation of detailed audit workpapers, and the selection, scope and application of auditing procedures to specific balance sheet and income statement accounts. A study of the various reports rendered and attest and non-attest services provided by Certified Public Accountants. *Credit: 2 semester hours.*

4251 Seminar in Accounting Theory

Prerequisite: ACC 3342. The relationship of accounting and economic theory, the difficulties of preparing precise and universally accepted accounting principles, a review of current professional literature and selected research are examined. A written report on a selected research project is a major requirement in this course. *Credit: 3 semester hours.*

4255 Information Technology Auditing

Prerequisite: ACC 3354. Various audit procedures used to obtain assurance about the systems of a complex information technology user are discussed. The course considers the appropriateness of technology controls in mitigating risks in information systems (including database, networking, client servers and distributed systems) and in communication systems (including electronic data interchange and the Internet) and the procedures performed by auditors to obtain assurance. Specific topics covered in the course include systems and application development procedures, contingency planning, management and operations, and physical and data security. Also considered, various audit procedures utilizing computers. *Credit: 2 semester hours.*

4352 Financial Statement Analysis

Prerequisite: ACC 2338. This course presents non-accounting majors with the fundamental skills necessary to obtain an adequate understanding of the financial position, results of operations and cash-generating ability of any business concern. *Credit: 3 semester hours.*

3261 Federal Income Taxation: Individuals

Prerequisite: None. Federal income tax law with respect to the nature and classification of gross income, business expenses, non-business deductions, exemptions. Preparation of individual income tax returns. *Credit: 2 semester hours*

4262 Federal Income Taxation: Businesses

Prerequisite: ACC 3261. Federal income tax law as it applies to partnerships, corporations and business expenses and capital, tax accounting principles, corporate organization and special classes of corporations. *Credit: 2 semester hours.*

4263 Federal Income Taxation: Special Topics

Prerequisite: ACC 4262. Federal and multi-state income tax law, state sales and use taxes, deferred compensation, estates and trust taxation, tax accounting principles, corporate organization and reorganization, liquidations, and distributions and special classes of corporations. *Credit: 2 semester hours.*

Department of Acturial Science

3322: Actuarial Science 2

In conjunction with designated courses in accounting, economics, finance and law, prepares students to take the second actuarial science exam.

3333 Actuarial Science 3

In conjunction with ACT 3334, ACT 3335 and ACT 4336, prepares students to take the third actuarial science exam.

3334 Actuarial Science 4

In conjunction with ACT 3333, AC T3335 and ACT 4336, prepares students to take the third actuarial science exam.

3335 Actuarial Science 5

In conjunction with ACT 3333, ACT 3334 and ACT 4336, prepares students to take the third actuarial science exam.

4336: Actuarial Science 6

In conjunction with ACT ,3333, ACT 3334 and ACT 3335, prepares students to take the third actuarial science exam.

4347: Actuarial Science 7

In conjunction with ACT 4348 and ACT 4349, prepares students to take the fourth actuarial science exam.

4348: Actuarial Science 8

In conjunction with ACT 4347 and ACT 4349, prepares students to take the fourth actuarial science exam.

4349 Actuarial Science 9

In conjunction with ACT 4347 and ACT 4348, prepares students to take the fourth actuarial science exam.

Department of Computer Information Systems and Decision Sciences (CIS/DS)

F. Victor Lu, Ph.D., Chair

1332 Computer Systems and Software for Business Applications

An introduction to personal computer concepts and applications, emphasizing Microsoft Office (latest available version): Word, Excel, Access and Powerpoint. Other topics covered include Internet and Web applications and Visual BASIC. *Credit: 3 semester hours.*

2333 Business and Economic Statistics I

Prerequisites: ECO 1302; MATH 1320 or 2310. Descriptive statistical measures and statistical theory of hypothesis-testing relevant to business problems. Topics include measures of central location, dispersion and skewness; Bayesian and classical probability; distributions; testing of hypotheses; sampling. *Credit: 3 semester hours.*

2334 Business and Economic Statistics II

Prerequisite: DS 2333. Techniques for estimating business data and discerning their relationship. Topics include general linear regression and correlation models (both simple and multiple); curvilinear models; times series models; analysis of variance models; index numbers. *Credit: 3 semester hours.*

CIS/DS Courses to Be Offered

3336 Multivariate Statistical Analysis for Business Research

3337 Advanced Business Statistics

3338 Operations Research for Business and Public Decision Making

3339 Business Applications Software

3345 Advanced Computer Methodology

3346 Linear Programming for Business Decision Making

3352 Database Management

4340 Business Simulation and Model Building

4342 Business Software Design and Development

4350 Quantitative Business Research and Application Seminar

Department of Economics and Finance (ECO/FIN)

K. Thomas Liaw, Ph.D., Chair

Economics

1301 Principles of Economics I

General introduction to economic analysis: cause of economic growth, inflation, depression and recession. Impact of government on the national economy via fiscal and monetary policy. *Credit: 3 semester hours.*

1302 Principles of Economics II

General introduction to the theory of how business firms determine what goods to produce, prices charged and the wages paid in a free economy. The effects of government regulations and controls. *Credit: 3 semester hours.*

1326 Economic History of the Western Community

A survey of socio-economic formations and changes in the organization of economies over time. Special focus on the Industrial Revolution and the diffusion of technological knowledge in newly industrializing countries. *Credit: 3 semester hours.*

2309 Money and Banking

Prerequisite: ECO 1301. Survey of principles of money and credit, the role of banks, the Federal Reserve and financial institutions. *Credit: 3 semester hours.*

2327 Development of American Business Enterprise

Prerequisite: ECO 1302. An analysis of the American industrial framework with emphasis on the diverse forms of market structure and behavior, the evolution of management practices, life cycle of industry and the degree of competition. *Credit: 3 semester hours.*

3303 History of Economic Thought

Prerequisite: ECO 1302. Survey of the main currents of economic thought. Analysis of classical and neoclassical schools of economics and their major critics. *Credit: 3 semester hours.*

3306 Comparative Economic Systems

Prerequisite: ECO 1302. An analysis of alternative ways of organizing economic activity with a focus on the ownership rights and coordination mechanisms associated with socialism and capitalism. *Credit: 3 semester hours.*

3307 Labor Economics

Prerequisite: ECO 1302. The history, the institutions, the problems and the economic significance of the American labor movement. *Credit: 3 semester hours.*

3313 Public Finance

Prerequisite: ECO 1302. Equity and efficiency aspects of the federal revenue structure; optimal taxation; public-choice theory; allocation, distribution, and stabilization branches; Social Security and health care; deficit finance; taxation of international transactions. *Credit: 3 semester hours.*

3323 Economics of State and Local Governments

Prerequisite: ECO 1301 and 1302. Comparative analysis of the efficiency of state and local governments. Emphasis on an empirical study of decision-making in New York State and New York City. *Credit: 3 semester hours.*

3341 Macroeconomic Theory

Prerequisite: ECO 1301, 1302 and MTH 1320. National income accounting as a tool of economic analysis. Presentation of the pure theory of income, with emphasis on the expenditures approach, analysis of consumer and business spending decisions and saving. *Credit: 3 semester hours.*

3343 Microeconomic Theory

Prerequisite: ECO 1301, 1302 and MTH 1320. Presentation of pure theory of prices, with stress on comparison of the utility and indifference curve approaches to value and distribution. *Credit: 3 semester hours.*

3344 International Economics

Prerequisite: ECO 2309. International trade, flow of commodities and capital across national boundaries, impact of international organizations on flow of trade. Analysis of foreign investment and balance of payments. *Credit: 3 semester hours.*

3346 Economic Growth and Development

Prerequisite: ECO 1302. An empirical and analytical study of the difference in economic growth and performance among various countries, both developed and less developed. Major theories of economic development are examined. *Credit: 3 semester hours.*

4327; 4328 Managing Investment Funds

Prerequisite: Permission of instructor. These courses enable students to manage a "real" investment fund. *Credit: 3 semester hours.*

4340 Managerial Economics

Prerequisite: ECO 1302 and MTH 1320. Explores potential contribution of economic theory to formulation of business policies and decisions. Concentrates on those economic concepts which can be measured and applied to management problems such as demand functions, cost functions and profit maximization. *Credit: 3 semester hours.*

4345 Introduction to Econometrics

Prerequisites: DS 2333, ECO 1301, 1302 and MTH 1320. Review of random variables, probability distributions and hypothesis testing. Introduction of regression analysis and application to time series and cross section data. Problems of formulating and estimating economic and financial models and introduction to simultaneous equations. *Credit: 3 semester hours.*

4350 Seminar in Economics

Prerequisites: ECO 3341 or permission of the instructor. A research-oriented course focusing on selected topics in theoretical and applied economics, in which emphasis is given to a more advanced treatment of economic issues. *Credit: 3 semester hours.*

4399 Economics Internship

The internship provides students with the opportunity to develop applied economic skills in an actual work setting outside the classroom. Each internship is a one term, part-time, credit-bearing position within a supervised work environment. *This course may be taken only once, open only to senior economics majors with a 3.25 major index and 3.0 cumulative index. Course-work appropriate to the internship and permission of the instructor is required. Credit: 3 semester hours.*

ECO Courses to Be Offered**3319 Personal Finance****3335 Mathematical Economics****3347 Urban Economics****3348 Environmental Economics****Finance****3310 Foundations in Finance**

Prerequisite: ECO 1302 and ACC 2338. Organization and operating problems of corporate financial management; the shaping of the capital structure to fit the circumstances of ownership, control and risk; the instruments of corporate finance; working capital management; dividend policies, mergers and consolidation. *Credit: 3 semester hours.*

3311 Corporate Financial Analysis

Prerequisite: FIN 3310. Examines problems involved in managing the assets and liabilities of a business. Emphasis is given to control of financial structure, capital budgeting, valuation and financing options. Special attention to analytical approaches and financial theory. *Credit: 3 semester hours.*

3312 Investments

Prerequisite: FIN 3311. The basic theories and techniques of investment are covered. Emphasis is on valuation models and trading environments of various types of assets. Enhancing and maintaining the highest standards of ethical practice are emphasized. *Credit: 3 semester hours.*

3315 Commercial Banking

Prerequisite: ECO 2309. A consideration and analysis of the practical operation and management of commercial banks. *Credit: 3 semester hours.*

3316 Capital and Money Markets

Prerequisite: ECO 2309. Introduction to financial markets, different instruments traded on these markets and the nature of the financial system. Development and structure of the system, the relationship between money and interest rates and the characteristics and trading practices of money and capital market securities. *Credit: 3 semester hours.*

3318 International Banking and Finance

Prerequisite: ECO 2309. Analysis of the increasing involvement of the U.S. in international finance, role of American international banking in the context and development of U.S. international banking. Analysis of regulatory framework for international banking. Comparisons with international banking role played by banks in other countries. *Credit: 3 semester hours.*

4317 Securities Analysis and Portfolio Management

Prerequisite: FIN 3312. Analysis of the various types of corporate securities and a discussion of the technique of portfolio management in light of differing investment objects. *Credit: 3 semester hours.*

4327; 4328 Managing Investment Funds

Prerequisite: Permission of instructor. These courses enable students to manage a "real" investment fund. *Credit: 3 semester hours.*

4350 Seminar in Finance

Selected topics in Finance. A research-oriented course focusing upon selected topics in finance in which emphasis is given to a more advanced treatment of issues in finance. A second important objective is the study of research methodologies used in finance. *Credit: 3 semester hours.*

4399 Finance Internship

The internship is a program which provides a student with the opportunity to develop applied financial skills in an actual work setting outside the classroom. Each internship is a one term, part-time, credit bearing position within a supervised work environment. The application of financial theories and techniques is emphasized. *This course may be taken only once, open only to senior finance majors with a 3.25 major index and 3.0 cumulative index. Coursework appropriate to the internship and permission of the instructor is required. Credit: 3 semester hours.*

Department of Law (LAW)

John P. Clarke, J.D., *Chair*

1310 Law in a Business Environment

The legal environment of business is explored by examining the role of law in society, the international legal environment, ethical issues, the application of the U.S. Constitution and the process of dispute resolution. Business law in the areas of torts, contracts, business entities, bankruptcy and environmental protection is studied. *Credit: 3 semester hours.*

4314 Government and Business

Prerequisite: LAW 1410 or 2211. Regulation of business under federal and state administrative agencies including enforcement of decisions and remedies. Examination of particular problems relative to the antitrust laws, securities regulations and advertising with emphasis on the work of the Federal Trade Commission and the Securities Exchange Commission. *Credit: 3 semester hours.*

4315 Labor Law and Labor Legislation

Prerequisite: MGT 3301. Developments in regulation of wages and hours and emergence of labor legislation, collective bargaining, arbitration, mediation and union-management relations. Exploration of issues, including employee privacy rights, equal employment opportunity legislation and workplace safety. *Credit: 3 semester hours.*

Department of Management (MGT)

Steven D. Papamarcos, Ph.D., *Chair*

2301 Administrative and Organizational Behavior

Emphasis is placed on the principles and practices of management and the functions of the executive as applied within the context of organizational behavior. *Credit: 3 semester hours.*

3323 Organizational Decision Making

Prerequisites: MGT 3301, DS 2334. Focuses on the integration and application of both the quantitative and the qualitative aspects, concepts, and tools of managerial action necessary to the evaluation and selection of alternatives in the administrative decision-making process. *Credit: 3 semester hours.*

3325 Production and Operations Management

Prerequisite: MGT 3301. Introduction to the fundamentals of operations management. Areas of study include aggregate planning, scheduling, inventory control, quality control, production control, productivity. *Credit: 3 semester hours.*

3331 Leadership: Management of Human Resources

Prerequisite: MGT 3301. Human problems involved in leadership. Dealing with formal and informal groups; the psychological and social aspects of cooperation, conflict, motivation, job satisfaction, morale and organizational change. *Credit: 3 semester hours.*

3332 Personnel Administration

Prerequisite: MGT 3301. Organization and administration of the personnel function, surveying policies, and practices governing recruitment, selection and placement, employee evaluation and union-management relations. *Credit: 3 semester hours.*

3337 Management and the External Environment

Prerequisite: MGT 3301. Conceptual review of the interaction between management and the environment in which it functions. The relationship of executive organization with the outside public, community and society is explored. *Credit: 3 semester hours.*

4322 Management Information Systems

Prerequisite: MGT 3301. An investigation of principles governing the design, testing, and implementation of business procedures and information systems within the framework of computerized environment. *Credit: 3 semester hours.*

4324 Operations Management

Prerequisite: MGT 3323. Selected production processes are surveyed and production problems considered with emphasis on the analytical methods used in the design, implementation and control of production systems. *Credit: 3 semester hours.*

4326 Materials Management

Prerequisites: MGT 3301. The principles and practices of materials management are surveyed with emphasis on industrial procurement—its organization and its analytical methods and techniques. *Credit: 3 semester hours.*

4329 Managerial Strategy and Policy

An integrative senior course that studies the formulation and implementation of top-managerial strategies in business environments; designed to develop problem-solving and decision-making skills in business situations that involve the organization as a whole. *Open only to graduating seniors in their last term in attendance. Credit: 3 semester hours.*

4333 Industrial and Personnel Psychology

Prerequisite: MGT 3301. (Cf. PSY 33) Psychological aspects of individual differences, efficiency, working conditions, accident prevention, human engineering, industrial mental health and counseling. *Credit: 3 semester hours.*

4334 Managing Culturally Diverse Workforce

Prerequisite: MGT 3301. A study of the formal and informal social structures and organizational environments and the factors facilitating and impeding the harmonious integration of culturally diverse workforce personnel. *Credit: 3 semester hours.*

4335 Management of Compensation

Prerequisite: MGT 3332. Principles underlying management's application of monetary incentives. Generally, wage theory, principles and practices, are investigated. Specific emphasis is given to job evaluation, wage determination, merit and incentive rating, wage supplementals. *Credit: 3 semester hours.*

4336 Development of Human Resources

Prerequisite: MGT 3332. Application of management and teaching-learning principles to problems of job training, supervisory development, executive growth and the role of business in meeting urban personnel needs, organization and administration of programs, methods of instruction evaluation and research. *Credit: 3 semester hours.*

4338 International Management and Operations

Prerequisite: MGT 3301. A survey of managerial actions and practices within the global setting. The impact of economic, political and socio-cultural differences on international business management is explored. *Credit: 3 semester hours.*

4350 Research Methodology in Management

A senior-level course for students interested in pursuing graduate management studies; various tools, processes and concepts dealing with management research are discussed. Descriptive, empirical and normative research methodology are examined. *Credit: 3 semester hours. Open only to senior Management Majors.*

4399 Management Internship

Prerequisite: Management major, senior standing, nine credits in management courses and approval by the Internship Committee (after a formal screening process and permission of the instructor). Minimum grade point average of 3.25 in the major and 3.0 cumulative index. Students develop management skills in an actual work setting outside the classroom. Each internship is a one term, part-time, credit-bearing management position within a supervised work environment. Practical application of management practices and theories is emphasized. *This course may be taken only once. Credit: 3 semester hours.*

Department of Marketing (MKT)

John W. Dobbins, Jr., Ph.D., *Chair*

3301 Principles of Marketing

The role of marketing and marketing management in the operation of an economic system is studied. Marketing principles, trends and policies are emphasized. *Credit: 3 semester hours.*

3305 Advertising

Prerequisite: MKT 3301. Advertising is surveyed as a communications system that presents brand information and spurs consumer behavior. Emphasis is placed on the various institutions of advertising and how the efforts of each are combined in the advertising campaign. *Credit: 3 semester hours.*

3306 Sales Promotion

Prerequisite: MKT 3301. Consumer promotion, trade promotion, event marketing and data-based marketing are analyzed as important elements in the marketing mix. *Credit: 3 semester hours.*

3307 Principles of Retailing

Prerequisite: MKT 3301. The student examines the planning, organization and management structure of the retail firm. Strategic and tactical factors leading to growth in retail sales and earnings are emphasized throughout the course. *Credit: 3 semester hours.*

3308 Principles of Direct Marketing

Prerequisite: MKT 3301. The student examines the scope, opportunities and strategies of direct mail/marketing. Areas of consumer goods, industrial and service direct marketing are studied. Recent trends and developments in research, message creation, print and broadcast media and delivery mechanics are reviewed. *Credit: 3 semester hours.*

3310 Sales Management

Prerequisite: MKT 3301. Focuses on the planning and strategic framework of the sales manager's job. The relationships between company goals, marketing strategies and the sales force are emphasized and developed. Techniques for solving sales management problems in planning, supervision, and control are presented. *Credit: 3 semester hours.*

3311 Consumer Behavior

Prerequisite: MKT 3301. A study of the components that influence and comprise the consumer decision-making process and how marketers can optimize their efforts in view of these components. *Credit: 3 semester hours.*

3312 Marketing Research

Prerequisites: MKT 3301, DS 2334. This course examines various research procedures, including survey design, sampling, data-collection techniques and analysis and reports. The student is exposed to the application of these procedures to specific aspects of marketing, such as consumer product testing, advertising and consumer behavior. *Credit: 3 semester hours.*

3315 Product Management

Prerequisite: MKT 3301. Subject matter includes the meaning, importance, corporate objectives and planning for new products; and forms of new products, organization of the new product activity; activities in each stage of new product development; and the process of new product adoption by consumers. *Credit: 3 semester hours.*

3317 International Marketing

Prerequisite: MKT 3301. The problems of marketing U.S. produced goods in foreign markets. The course emphasizes the foreign market environment and the required modifications of marketing organization and practices. *Credit: 3 semester hours.*

3320 Service Marketing

Prerequisite: MKT 3301. This course focuses on the unique challenges of marketing business and personal services, showing the adaption and application of marketing principles and methods in the service industries. *Credit: 3 semester hours.*

4305 Advertising/Marketing Research Project

Prerequisites: MKT 3301, 3305, 3312 and/or instructor's permission. This advanced course combines principles of marketing research and advertising to a real-life marketing problem presented in a "case study" by a major marketer. Students organize, conduct, analyze and interpret marketing research. *Course is a prerequisite for MKT 4306.* *Credit: 3 semester hours.*

4306 Advertising Project

Prerequisites: MKT 3301, 3305 and one additional marketing course. *Permission of instructor is also required.* This is an advanced course that involves students in a hands-on marketing-advertising project. Students organize, manage and perform all functions of an advertising agency. *Credit: 3 semester hours.*

4316 Marketing Management and Policies

Prerequisites: MGT 3301; MKT 3301 and six additional marketing credits. A capstone, case-oriented course, emphasizing the development of marketing management skills. The student will apply previously gained marketing knowledge to discovering, sorting and analyzing the significant factors in actual marketing problems. *Credit: 3 semester hours.*

4318 Export-Import Marketing

Prerequisite: MKT 3301. The principles and techniques of the export and import business, of international freight forwarding in all modes, of financing this business and settling international payments are explained. Includes the preparation of documentary instruments in export and import business, letters of credit, bills of exchange and foreign drafts, export and customs declaration for U.S. and foreign regulating authorities, import and export as well as foreign exchange permits, bills of lading. *Credit: 3 semester hours.*

4350 Marketing Seminar

Prerequisites: MKT 3301, and nine additional marketing credits. A research-oriented course involving the intensive investigation of selected topics in marketing theory and practice. *Credit: 3 semester hours.*

4399 Marketing Internship

Prerequisites: Marketing major, senior standing, nine credits in marketing courses and approval by the Internship Committee (after a formal screening process and permission of the instructor). Minimum grade point average of 3.25 in the major and 3.0 cumulative index. Students develop marketing skills in an actual work setting outside the classroom. Each internship is a one-term, part-time, credit-bearing marketing position within a supervised work environment. Practical application of marketing practices and theories is emphasized. *Credit: 3 semester hours.*

Department of Military Science (MSC)

(Queens campus)

Objectives

To prepare students to serve as Second Lieutenants in the United States Army on either Active Duty or with the Reserves Components.

Basic Courses

MSC 11 Introduction to ROTC

Increase self-confidence and knowledge through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, and map reading. *Credit: 1 semester hour.*

MSC 12 Organization of the U.S. Army and Introduction to Leadership

Learn and apply principles of effective leadership and Army ethics. Develop communications skills to improve individual performance and group interaction. Learn rifle marksmanship. *Credit: 1 semester hour.*

MSC 21 Military Leadership

Continue to develop individual abilities and contribute to the building of effective teams. Prepare, present and analyze a military battle using the Principles of War. *Credit: 1 semester hour.*

MSC 22 Military Skills and Team Development

Introduction to individual and team aspects of small unit operations using Troop Leading Procedures (TLP) and the Military Decision-Making Process. Examine staff functions. *Credit: 1 semester hour.*

MSC 31 Small Unit Tactics and Procedures 1

A detailed study into leader responsibilities, TLPs, operations orders and small-unit tactics. Students complete physical fitness training in preparation for the National Advanced Leaders Camp. *Credit: 3 semester hours.*

MSC 41 Leadership Challenges and Goal Setting

Assess organizational cohesion and develop strategies to improve it. Emphasis is placed on the Officer Evaluation System, the Army legal system, and training management doctrine. *Credit: 3 semester hours.*

MSC 42 Transition to Lieutenant

An advanced study of military leadership involving the U.S. Constitution and civilian control of the military. Emphasis on understanding Army doctrine and tactics. *Credit: 3 semester hours.*

Note: Students must also register for the leadership lab for each class listed above. The leadership lab provides hands-on training in skills taught in the classroom.

MSC 41 Leadership Challenges and Goal Setting

Prerequisite: MUS 31, 32 and departmental approval. Plan, conduct and evaluate activities of the ROTC cadet organization. Articulate goals, put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Emphasis is placed on the officer evaluation system; advanced discussions of the challenges of platoon-level leadership; detailed study of the Army's legal system; an introduction to the Army's training management and logistics systems. Field trips, a written after-action report and battle analysis are required. *Two hours and a required leadership lab (MSC LL), plus required participation in three one-hour sessions for physical fitness.*
Credit: 2 semester hours.

42 Transition to Lieutenant

Prerequisite: MSC 41 and department approval. An advanced study of military leadership designed to transition the student from cadet to Lieutenant. Emphasis is placed on understanding Army doctrine and tactics at the squad level and higher; introduction to military operations other than war; study of the Battle of Gettysburg including a field trip to the site; debates on the role of the U.S. Constitution and civilian control of the military. Field trips, a battle analysis and a military letter to the students' first assignments are required. *Two hours and a required leadership lab (MSC LL), plus required participation in three one-hour sessions for physical fitness.*
Credit: 2 semester hours.

MSC LL Leadership Laboratory

Practical exercise on topics discussed in class to aid in developing leadership skills. The advanced students are offered the opportunity to plan, prepare and execute the laboratories. Basic course students participate in the training and are given opportunity to learn new skills and develop team cohesion. Students develop, practice and refine leadership skills by serving and being evaluated in a variety of responsible positions. *Laboratory is conducted once weekly, usually on Thursdays.*

Department of Risk Management and Insurance (RMI)

James Barrese, Ph.D., Chair

2301 Principles of Risk Management

Prerequisites: ACC 2338, ECO 1301, ECO 1302, DS 2333, LAW 1310. Promotes intuitive understanding of fundamental economic principles of risk and the use of insurance as a systematic approach to transfer and finance risk. *Credit: 3 semester hours.*

3334: Property and Liability Insurance

Prerequisite: RMI 2301. Surveys the liability and property insurance needs of businesses and households and examines the available insurance tools. *Credit: 3 semester hours*

3335: Life, Health, Pension and Social Insurance

Prerequisite: RMI 2301. Surveys market-based and government-based insurance tools for funding premature death, medical care costs, unexpected loss of wealth from catastrophes and retirement. *Credit: 3 semester hours.*

3350: Risk Seminar

Prerequisite: RMI 2301. Students collaborate to examine through research more advanced issues in risk management and insurance. *Credit: 3 semester hours.*

3360: Corporate Risk Management

Prerequisite: RMI 2301. Through real-life examples students combine skills from the decision and social sciences to understand the process of managing risk organizations face. *Credit: 3 semester hours.*

3361: Insurance and Alternative Risk Transfer

Prerequisites: RMI 2301 and FIN 3310. Combines insurance and other financial tools into solutions for funding a firm's exposure to risk in ways that create economic value for the firm's owners. *Credit: 3 semester hours.*

4362 Property Insurance

The objective of this course is to familiarize the student with concepts of property risk control and how to design a property insurance contract. *Credit: 3 semester hours.*

4364: Reinsurance

Prerequisites: RMI 2301. Surveys the structure, functions and products of the reinsurance industry, introduces underwriting and ratemaking for common reinsurance tools and examines the impact of the reinsurance transaction on insurance firms. *Credit: 3 semester hours.*

4364 Reinsurance

This course provides a history of reinsurance and the reinsurance market. *Credit: 3 semester hours.*

4368 Employee Benefits

This course provides an overview of the issues facing employers and plan participants with respect to employee benefit plans. *Credit: 3 semester hours.*

4369 Life and Health Insurance

The purpose of this course is to give students a thorough knowledge of life insurance and an introduction to health insurance. *Credit: 3 semester hours.*

4390: Insurance Industry Structure and Operations

Prerequisite: RMI 2301. Analyzes the industrial organization of the evolving insurance and financial services markets and examines the structure and performance of insurance firms. *Credit: 3 semester hours.*

4391 Essentials of Loss Control

The objective of this course is to familiarize the students with the concepts of risk control and how production and risk control work together to create economic value. *Credit: 3 semester hours.*

Ivan Abel, *Associate Professor of Marketing*, B.E.E., CUNY, City College; M.B.A., CUNY, Baruch College; Ph.D., CUNY

John Angelidis, *Professor of Management*, B.S., M.S., Ph.D., Georgia State University

Mark Aquilio, *Associate Professor of Accounting and Taxation*, B.S., J.D., Fordham University; LL.M., New York University

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James Barrese, *Chair and Professor of Risk Management and Insurance*, B.A., M.A., Princeton University; Ph.D., Rutgers University

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Young Back Choi, *Professor of Economics and Finance*, B.A., SUNY, Old Westbury; M.A., Ph.D., University of Michigan

Charles M. Clark, *Associate Dean for Faculty Affairs, Professor of Economics, Vincentian Senior Fellow*

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Emeritus Faculty

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Christine Rider, Professor Emeritus 9/26/2006 B.S., London School of Economics; M.A., CUNY, Queens College; Ph.D., New School for Social Research

Eberhard E. Scheuing, Professor Emeritus 4/9/2002, M.B.A., Ph.D., University of Munich, Germany; CPM, APP, NAPM

College of Pharmacy and Allied Health Professions

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B.S. Phm., M.S., P.D., Ed.D

Joseph M. Brocavich, *Associate Dean*,
B.S. Phm., Pharm.D.

Sr. Laura M. Arvin, O.P., *Assistant Dean*,
B.A., M.A., P.D.

Joseph V. Etzel, *Assistant Dean*,
B.S. Phm., Pharm.D.,

John-Emerly Konecsni, *Assistant Dean*,
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Marie Paese, *Assistant Dean*, B.S., M.S., P.D.

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B.A., M.S., P.D.

Veronica M. Novy, *Assistant Dean*, B.S., M.S., P.D.

Camille C. Pacia, *Assistant Dean*, B.A., M.S.

Statement

The College of Pharmacy and Allied Health Professions commits to academic excellence, scholarship and service to humanity through the discovery and application of biomedical knowledge.

We facilitate and advance scholarship by offering innovative programs of study utilizing active learning approaches that are student-centered, outcomes-oriented and that inspire lifelong learning.

As compassionate health care professionals and scientists, we serve humanity through our dedication to excellence in health care and biomedical research. Building on a commitment to cultural diversity and benefiting from our metropolitan location and strategic alliances with the leading health care institutions, we strive to serve as effective leaders, good citizens and moral and ethical individuals.

We commit ourselves to the discovery, communication and application of biomedical knowledge as a critical component for the development of health care professionals and scientists. Through innovative basic, social and clinical research initiatives, we contribute to scientific knowledge, address contemporary health care issues and seek solutions to health care problems.

Our mission embodies the principles of the University's mission statement: to provide a quality education in an environment that is Catholic, Vincentian and metropolitan.

Objectives

The College of Pharmacy and Allied Health Professions seeks to prepare students to meet the present and future demands for pharmacists, physician assistants, medical technologists, toxicologists, cytotechnologists and pathologist assistants, to qualify them for their responsibility in matters of public health, to make them conscious of the opportunity to serve their fellow man, to emphasize the highly specialized professional service rendered to and for members of the other professions as well as to the public, to instill in the students appreciation of the ever-changing character of the health professions, to provide an opportunity for broad general education and to inspire students to pursue graduate study in specialized fields of interest.

The College of Pharmacy and Allied Health Professions has adopted the following Vision Statement: The College of Pharmacy and Allied Health Professions will be a nationally recognized model of distinctiveness for the preparation of exemplary health care providers dedicated to meeting the needs of all patients particularly the medically underserved in urban areas, distinguished scholars and leading researchers in the pharmaceutical and biomedical sciences.

The following objectives are emphasized in our various programs:

Pharmacy Program:

Fundamental scientific principles as they apply to therapeutic agents to help students to better understand and predict the nature and biological activity of drugs

Familiarization with the business principles and legal requirements of pharmacy

Opportunity for clinical instruction and experience recommending and assessing of rational drug therapy

Provision of knowledge to meet professional demands for participation of the pharmacist as a vital member of the health care team

Medical Technology Program:

Education of students in clinical laboratory sciences

Provision of a strong foundation in basic sciences and practical experience in clinical laboratories

Participation in national, state and local professional and health-oriented organizations

Toxicology Program:

Provision of fundamental training in toxicology

Provision of a practical opportunity for entering this field

Providing prospective employers in the pharmaceutical, chemical, environmental and health care industries with a pool of trained, knowledgeable personnel

Pathologist Assistant Program:

Preparation of professionals to assist in the work of anatomic pathology

Promotion of professional training, recognition and competence

Provision of an available pool of trained, knowledgeable health professionals for a wide variety of research and clinical careers

Physician Assistant Program:

Preparation with qualified academic and clinical training

Provision of primary health care services

Provision of trained personnel to practice in a physician's office, hospital or other medical setting

Specific Entrance Requirements

16 High School Units or appropriate score on GED

English	4
History	1
Science	1 *
Foreign Language	2
Mathematics	3
Electives	5

At least three electives must be from the academic grouping.

The above are the basic admission requirements for programs offered by the College except the Pharm.D. program. Students who intend to matriculate for the P.A. and Pharm.D. degree must meet all of the above requirements and have completed one year of high school chemistry.

*While the above are the basic admission requirements, it is suggested that students who intend to matriculate for the Pharm.D. degree include chemistry, biology and physics in their high school programs.

Applicants holding a GED are generally not eligible for admission to the Pharm.D. program.

Admission Requirements

* Admission to the Pharm.D. program is highly competitive, and admission and scholarship criteria are determined each year on the strength of the applicant pool.

Candidates for admission to the pharmacy program must be at least 16 years of age and must be graduates of a four-year secondary

school accredited by the New York State Education Department. No student who, because of academic or disciplinary reasons, has been dismissed from or has been placed on probation in another school is eligible for admission to the College of Pharmacy and Allied Health Professions. Completion of the non-professional requirements at any other accredited college or university does not automatically permit entry to the professional program. Due to the available facilities and faculty, enrollment is limited. Allied health admissions standards are those of the University.

Admission of Transfer Students to Advanced Standing

Transfer students to Pharm.D. are admitted on a space available basis only. Because of the extremely competitive entrance requirements and retention rate, St. John's has been unable to admit transfer applicants in recent classes. No internal transfers are accepted.

A student transferring from another college or university must present the following:

1. A statement of honorable withdrawal.
2. An official transcript of high school and college records.
3. A marked copy of the catalog of the college or university attending showing courses for which credits are sought.

All students must have a minimum overall grade point average of 3.0 to be considered for admission.

Transfer students must meet University requirements in the areas of Philosophy and Theology.

Candidates for the Medical Technology Program, the Physician Assistant Program, the Toxicology Program, the Cytotechnology Program and the Pathologist Assistant Program must meet the University requirements for Admission to Advanced Standing. Credit for comparable courses in the pre-professional sequence will be granted. No credit is allowed for professional courses taken in other than an affiliated institution.

Transfer students into the Physician Assistant Program are accepted on a space available basis, by vote of the admissions committee and only after completion of a personal interview.

Programs of Study

The pre-professional years in the College's programs are coordinated with those of other departments of the University. This arrangement gives the student the valuable advantages of a broadening influence resulting from close contact with students and faculty of several schools in the University.

Degrees and Majors Available

Doctor of Pharmacy Program

The entry-level Doctor of Pharmacy (Pharm.D.) degree is designed to develop students into competent pharmacists who possess the knowledge and skills needed to provide the highest quality of medication therapy management. This curriculum provides students with a strong foundation in the liberal arts and sciences that is consistent with a strong academic program of study. The program is configured as a six-year course of study that admits students directly into the major without requiring the completion of a pre-pharmacy curriculum. Professional pharmacy coursework is introduced early in the program to increase the students' awareness of their chosen profession. The final four years concentrate on integrating basic and applied pharmaceutical and clinical sciences in both the classroom and practice settings. The curriculum employs an integrated approach to learning, and stresses the application of knowledge that is patient specific and focused.

Graduates of this program are prepared to meet the challenges associated with becoming an effective practicing pharmacist and serve as experts on drug therapy to improve the use of medication for diverse populations.

Physician Assistant Program

The four-year program leading to a Bachelor of Science degree with a major in Physician Assistant consists of two academic years of collegiate instruction at the University, followed by 24 months at the Dr. Andrew J. Bartilucci Center. This accredited program provides the Physician Assistant Professional Credential concurrently with the conferral of the B.S. degree from St. John's University.

Students are reviewed annually for the purpose of evaluating performance in the academic program and ascertaining eligibility for promotion into the clinical portion of the program. Advancement into the clinical portion requires a 3.0 GPA both overall and in mathematics and science and successfully completing the promotion process.

Every first-year student should visit with the professional program during the first semester at the University and should become informed about particular requirements.

Medical Technology Program

The four-year program leading to the Bachelor of Science in Medical Technology degree consists of three years of pre-professional and professional study at the University and one calendar year of study at St. Vincent Catholic Medical Centers/Manhattan or New York Methodist Hospital.

A student's completion of the entire program leading to the B.S. in Medical Technology depends upon the completion of the clinical year at the hospital. Promotion to the hospital is influenced strongly by the student's academic performance and admission is competitive. Students should consult with the Dean's office each semester before entering the junior year.

Pathologist Assistant Program

The four-year program leading to a Bachelor of Science degree with a major in Pathologist Assistant consists of three academic years of collegiate instruction at the University, followed by one calendar year of study at clinical sites.

Students are evaluated on their performance in the academic program and eligibility for promotion to the clinical portion of the program. Admission to the hospital is competitive and is based on grade point average and successful completion of the hospital admission process.

Toxicology Program

Toxicologists work to protect human health and the environment from the adverse effects of chemicals. Toxicology students take courses in chemistry, biology, physiology, and pharmacology in addition to diverse courses in toxicology. Students can participate in on-campus activities such as undergraduate research in faculty laboratories or become involved in the Toxicology Club.

The Toxicology Program is a four-year program providing a minor in chemistry. This major provides all of the requirements for admission to medical school. After graduation, students are qualified for jobs in biomedical or analytical laboratories as well as admission to medical school and graduate school.

Cytotechnology Program

This four-year program leading to the Bachelor of Science degree with a major in Cytotechnology consists of three academic years of collegiate instruction at the University, followed by a calendar year of instruction at clinical sites.

Students are evaluated on their performance in the academic program and eligibility for promotion to the clinical portion of the program. Admission to the hospital is competitive and is based on grade point average and successful completion of the hospital admission process.

Continuing Professional Education

William Malone, Director

The Office of Continuing Professional Education's core activities which are ACPE approved programs directed toward providing pharmacists and allied health professionals with the opportunities to increase their knowledge and skills with value-based programs that contribute to their professional achievement. Seminars cover a wide variety of topics including therapeutics, managed care, administration and industrial development, and address topical concerns of the current practitioner. Where appropriate, these programs are submitted for approval to the various states requiring continuing education credits for relicensure. For more information regarding programs, the office may be reached by phone at (718) 990-5796 or e-mail at pharmacyce@stjohns.edu

Accreditation

The Doctor of Pharmacy degree program is accredited by the Accreditation Council for Pharmacy Education (ACPE). The College also holds membership in the American Association of Colleges of Pharmacy and the American Society of Allied Health Professions.

The Medical Technology Program is approved by the National Accrediting Agency for Clinical Laboratory Sciences.

The Physician Assistant Professional Program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).

Attendance

Regular and prompt attendance is expected in all professional and non-professional courses, but is an individual responsibility. Students are responsible for all announced tests and for submitting at the proper time all assignments given in class.

If a student in an experiential course has any unexcused absence in any rotation, a failure will result, and the rotation must be repeated.

Faculty members have discretionary power to determine whether a student who missed an announced in class assignment or test is to be given a make-up examination.

A make-up for a final examination is offered upon the approval of the Dean's office.

Science laboratories are not included under this general policy. Students are required to attend all laboratory sessions unless excused for suitable reasons.

Pass-Fail Option

This option is open only to allied health professions students who have completed the freshman year and who have a current quality point index of at least 2.0. It is limited to one course per semester for a four-year degree program, the total during the three years, including summer sessions, may not exceed six. It may not be exercised in connection with major requirements or with courses being applied to a minor. The quality point index will not be affected; however, a "Pass" will be credited toward the degree.

Application for the Pass-Fail Option must be made in the College of Pharmacy and Allied Health Professions Dean's Office. A student may elect the Pass-Fail Option at any time during the semester up to and including the last date designated for withdrawal from class without academic penalty. Pharm.D. students do not have the Pass-Fail Option except in courses already designated as Pass-Fail.

General Scholastic Performance

A student's program may range from a minimum of 12 to a maximum of 18 hours (or credits) per semester.

A minimum quality point index of 2.0 must be maintained in both the major field of concentration and all courses cumulatively.

For graduation, 2.0 minimum indices in the major and in all courses cumulatively are required.

The entry-level Pharm.D. degree requires a math/science grade point average of 2.3 by the end of the first year which must be maintained throughout the remaining years of the program.

Refer to Promotion section for Medical Technology and Physician Assistant Programs.

Advanced Placement/CLEP

Upperclass students who wish to take CLEP or other credit-by-test exams must receive prior approval from the Office of the Dean if such credit is to be applied to the St. John's degree. For information concerning the College Policy on AP credit, please contact the Office of the Dean.

Academic Standing

Recommendations for progression within the program, progression on probation, or dismissal for poor scholarship are made by the Committee on Academic Standing. Attendance at a Study Skills Workshop may be a condition of probation for freshmen on probation. Written appeal for reconsideration must be addressed to the Committee on Academic Standing.

A student may not advance into the senior year of the Medical Technology Program with an index below a 2.5 cumulative grade point average, Toxicology Program below a 2.3 overall and cumulative grade point average; and Pathologist Assistant program below a 2.75 cumulative grade point average. Students may not progress into the fourth year of the Cytotechnology Program or the third and fourth years of the Physician Assistant Program unless all prerequisite courses are satisfied and the grade point average is 3.0 both overall and in math/science.

Good academic standing for a student in the Entry Level Pharm.D. degree is a 2.3 math/science cumulative grade point average by the end of the first year.

A pharmacy major will be required to successfully complete a competency examination no later than the end of the Fall semester of the 5th year of the program to progress to the advanced pharmacy experiential portion of the program.

Regulations on Discipline

New York State law provides for suspension or revocation of a license to practice the healing arts if, among other things, an individual is convicted of a crime or is a habitual drinker or has been addicted to, dependent on, or a habitual user of narcotics, barbiturates, amphetamines, hallucinogens, or other drugs having similar effects. In light of this statute, any student who, after appropriate procedures, is found to have violated University regulations and policies relating to drugs may be subject to dismissal from the College or be required to undergo rehabilitation before continuing progress toward a degree.

The Dr. Andrew J. Bartilucci Health Education Resource Center (HERC)

Susan Jennifer Miranda, *Director*

The Dr. Andrew J. Bartilucci Health Education Resource Center (HERC) is open weekdays in St. Augustine Hall, Room B22. This instructional resource center provides educational and technical services to support the course objectives of the College of Pharmacy and Allied Health Professions. These services include: general references, textbooks, periodicals, faculty notes, computerized bibliographic services, video cassettes, slide programs, closed circuit television, photography and computerized slide production. The center is available for the use of students, faculty, alumni and practitioners.

Special Requirements for Experiential Programs

Pharmacy students participating in experiential programs are required to have a medical examination, an immunization series, health insurance, accident and sickness insurance. Additionally, these students must purchase malpractice and/or liability insurance through the University, and must complete PHR 5000.*

Students will also have background checks and will be HIPAA certified. No elective or didactic course may be taken concurrently with the advanced experiential courses.

In the Medical Technology, Physician Assistant, Cytotechnology and Pathologist Assistant Programs, students entering the hospitals for the professional years are required by the hospital to have a medical examination and to carry adequate accident and health insurance for the duration of their professional studies.

Pharmacy, Medical Technology, Physician Assistant, Cytotechnology and Pathologist Assistant program students must register at the University for each semester that they are at the experiential site and pay full tuition. No partial credit is given to anyone not completing off campus experiences in the allied health programs.

Pharmacy Intern Permit

Students who complete the third year and who are to participate in experiential rotations are required to obtain a New York Pharmacy Intern Permit, valid for a period of five years. Completed applications that have been signed by a College administrator must be forwarded by the student to the New York State Board of Pharmacy after completion of the third year of the program.

** Students must also complete a criminal background check.*

***Experiential Rotations are restricted to Pharm.D. students.*

Admission to the Practice of Pharmacy

The Pharmacy program offered by the College of Pharmacy and Allied Health Professions meets the educational requirements for admission to state licensing examinations. Each state may require, in addition to academic work, a period of internship. When these and other requirements which have been established by the State have been met, the applicant is admitted to the state licensing examination. Successful candidates are granted a license to practice.

New York State participates in registration of licenses by endorsement with all states which have full memberships in the National Association of Boards of Pharmacy.

For information concerning the admission to the practice of pharmacy, write: 89 Washington Avenue, 2nd Floor, Albany, NY 12234.

Registry of Medical Technologists

The graduate of the Medical Technology Program receives, in addition to a diploma from St. John's University, a Professional Certificate from the hospital. The Registry of Medical Technologists of the American Society of Clinical Pathologists (ASCP) conducts examinations twice a year for properly qualified candidates. A candidate who successfully passes the Registry examination is "registered" and entitled to use the initials "M.T. (ASCP)" after his/her name.

For further information regarding the Registry, write to: Registry of Medical Technologists, American Society of Clinical Pathologists, 2100 West Harrison Street, Chicago, IL 60612.

The National Certifying Agency also conducts examinations twice a year for properly qualified candidates. A candidate who successfully passes the Certifying Examination is "certified" as a clinical laboratory scientist [CLS (NCA)].

For further information contact: National Certifying Agency, 2021 L. St. N.W., Suite 400, Washington, D.C. 20036.

Clinical Laboratory Sciences Licensure

Completion of the Medical Technology certificate portion makes the graduate eligible to receive the New York State license. Details are available from Ms. Ann Zero at the Bartilucci Center.

Certification of Physician Assistant

Successful completion of the professional component of Physician Assistant Education as provided above, makes the graduate eligible for admission to the Physician Assistant National Certifying Examination as administered by the National Commission on Certification of Physician Assistants.

Pharmacy Clinical Coordinators:

Ms. Eileen Lonergan

Dr. Philip McAvoy

Dr. Frank Nania

Affiliate Clinical Pharmacy Sites

Active Health Management

American Regent

Americare Pharmaceutical Services

Annadale Family Pharmacy

Avanti Health Care (Alexander Infusion)

Belle Harbor Chemists

Bellevue Hospital

Beth Israel Medical Center-Petrie Campus

Beth Israel Medical Center, Kings Highway Division

Bimark Medical Communications

Bioscrip Inc.

Bonus Drugs & Surgicals

Brookhaven Memorial Hospital

The Burke Rehabilitation Hospital

Cabrini Medical Center

Cardinal Health Nuclear Pharmacy Services

Cardinal Health Nuclear Pharmacy Services-Bronx

Columbo Pharmacy

Coney Island Hospital

Creedmore Psychiatric Center

CVS Pharmacy (East Hills)

CVS-Garden City

CVS-Mineola

CVS-Oceanside

Dale Drugs

DeFranco Pharmacy

Drugs Plus

Drug Town

Duane Reade-Astoria

Duane Reade Bowery

Duane Reade #467 (Elmont)

Duane Reade #451 (Franklin Square)

Duane Reade-Fresh Meadows

Duane Reade-Port Authority

Echo Drugs/Surgical Supplies

Eckerd Flushing	Neergaard's Pharmacy	St. John's Episcopal Hospital
Eckerd-Astoria	New Island Hospital	St. Johnland Nursing Center, Inc.
Eckerd's Whitestone	New London Pharmacy	St. John's Queens Hospital
Elite Pharmacy Consulting	New Victory Pharmacy	St. John's Riverside Hospital
Elmhurst Hospital	New York City Poison Control Center	St. Mary's Hospital
Fidelis Care New York	The New York Hospital Medical Center of Queens	St. Mary's Hospital for Children
Franklin Square Pharmacy	New York Presbyterian- Colombia Presbyterian Hospital	St. Vincent's Hospital
Franklin Hospital	New York Presbyterian - The New York Hospital of Cornell	Sunrise Pharmacy
Franwin Pharmacy	Northport VA Medical Center	Target Greatland (Flushing/College Point)
Good Samaritan Hospital	North Shore University Hospital	Thrift Drugs
Great Neck Chemists	North Shore University Hospital at Glen Cove	Town Drug at Broadway
Greater New York Hospital Association	Our Lady of Mercy Healthcare System	Town Drugs (East Northport)
Greenwich Hospital	Palisades Medical Center-New York Presbyterian Healthcare System	Town Drugs (Manhattan)
Guardian Consulting Services, Inc.	Parker Jewish Institute for Health Care & Rehabilitation	Townline Drug & Surgical
Hackensack University Medical Center	Pathmark Pharmacy #626 (Ozone Park)	Town Total Health-Manhattan
Harlem health Center	Pathmark Yonkers	Town Total Health-Melville
HealthMax-Pharmacy	Pedinol Pharmacl Inc.	University Hospital at Stony Brook - State University of New York
Health Smart Pharmacy	PetNet Pharmaceuticals, Inc.	VA Hudson Valley Health Care System
Healthsmart Pharmacy (Freeport)	Phelps Memorial Hospital	Village Pharmacy
The Healthy Choice Apothecary	Queens Children's Psychiatric Center	Waldbaum's Pharmacy-Douglaston
Hill Pharmacy (65 Place)	Queens Hospital Center	Waldbaum's Merrick
HIP Health Plan of New York-Pharmacy Services Department	Regal Pharmacy	Walgreens-Broadway
Huntington Hospital	Region Care	Walgreens-Elmhurst
Hylan Medicine Cabinet	Rite Aid-86th Street	Walgreens-Flushing
Jacobi Medical Center	Rite Aid-Inwood	Walgreens-Franklin Square
Jamaica Hospital Medical Center	Rite Aid-Staten Island	Watson Laboratories
Jayson Drugs	Rock Ridge Pharmacy	Watson Laboratories, Inc. (Clinical Research Rotation Only)
The Jewish Home and Hospital	Rockville Centre Pharmacy	Waynes Pharmacy
King Kullen Pharmacy #11	Rockwell Compounding Associates	Westchester Medical Center
Kings Long Beach, Inc.	Rocky Hill Pharmacy	West Hempstead Pharmacy
Lawrence Hospital	S & M Pharmacy	Winthrop University Hospital
Liberty Drugs	Salzman Chemists	World's Fair Pharmacy
Lincoln Medical and Mental Health Center	Sanofi-Aventis- U.S. Integrated Healthcare Markets	Zive Pharmacy & Surgicals
Little Neck Drug Store	Sara Neumann Nursing Center	
Long Island Jewish Hospital	ScriptX, Inc.	
Long Island Regional Poison and Drug Information Center	Sedgwick Pharmacy	
Mallinckrodt Inc.	Shore Pharmaceutical Services, Inc.	
Mary Immaculate Hospital	Simelson Pharmacy	
John T. Mather Memorial Hospital	Southampton Hospital	
Maxor National Pharmacy Services Corp.	South Nassau Communities Hospital	
Maxor-Staten Island	South Oaks Hospital/Broadlawn Manor Nursing Care Center	
Medco Health Solutions	Southside Hospital	
Med-World Pharmacy	St. Catherine of Sienna Medical Center	
Melrose Pharmacy	St. Charles Hospital	
Mercy Medical Center	St. Francis Hospital	
Montifiore Medical Center-Einstein Division		
National Medical Health Card System, Inc.		
Necessities Drug Center		

Allied Health Professions Program Affiliates Medical Technology

Niels Schmidt, *Executive Director*
Usha Ruder, M.D., *Medical Director*
Ann Paula Zero, B.S. in Med. Tech., M.S., M.T.,
(ASCP), CLS (NCA), *Program Director*

New York Methodist Hospital

Rabia N. Mir, M.D., *Chair*,
Department of Pathology
Larry H. Bernstein, M.D., *Clinical Director*
Adrienne Arso-Paez, M.S., M.T. (ASCP),
Program Director

St. Vincent Catholic Medical Centers (Manhattan)

John F. Gillooley, M.D., *Director of Laboratories*
Sister Catherine Sherry, M.S., M.T. (ASCP),
Assoc. Director of Laboratories
Denise Panepinto, B.S.M.T., M.T. (ASCP),
Educational Coordinator

Physician Assistant Program

Vincent Politi, M.D., *Medical Director*
Niels N. Schmidt, R.P.A., M.B.A.,
Program Director

Pathologist Assistant Program

Usha Ruder, M.D., *Chair*, Pathology
Department

For additional information regarding the
Allied Health Professions degree granting
and certificate programs, please contact the
Office of the Dean.

Awards and Honors

Recipients of honors and awards are
determined by the faculty and Dean of the
College of Pharmacy and Allied Health
Professions.

American Pharmaceutical Association Academy of Students of Pharmacy (APhA-ASP) Mortar and Pestle Professionalism Award

This award is presented to a graduating
pharmacy student who exhibits the ideals of
professionalism and excellence in patient care,
has demonstrated exceptional service and
commitment to the profession of pharmacy
and is in good academic standing.

American Pharmaceutical Association Certificate of Recognition

This award is offered by the American
Pharmaceutical Association to the graduating
Pharmacy student who has rendered
outstanding performance on behalf of the
Student Chapter of the American
Pharmaceutical Association.

ASHP Student Leadership Award

The criteria established for this award are
demonstrated interest in institutional pharmacy
practice. Examples include enrollment in a
clinical or hospital pharmacy course or work
experience in an institutional setting. The
student should have leadership experience in
professional pharmacy organizations, either
student groups, state societies, or national
associations. The student shall be capable
academically by ranking in the upper one-half
of his or her class and will be an undergraduate
student enrolled in the College of Pharmacy.
Special consideration should be given to
students in their next-to-last year of school.

Auxiliary of the Pharmacists' Society of the State of New York Scholarship

A fourth-year pharmacy student is selected to
receive a monetary scholarship. The student
must enroll in the PSSNY. The candidate should
have professional/campus community activities.
A letter of recommendation from a faculty
member and current employer must be
submitted.

Aventis Scholarship

This scholarship is awarded to a qualified
student with high academic excellence.
Evidence of community service and financial
need must be submitted.

Andrew J. Bartilucci Medical Technology Award

This award was established to honor the
former Dean of the College of Pharmacy and
Allied Health Professions who founded the
medical technology program. It is given to a
graduating medical technologist on nomination
of the clinical program directors, who
demonstrates academic excellence, college or
community service and future promise of
professional leadership.

Andrew J. Bartilucci Scholarship Award

This award was established by the College's
Alumni Association to honor a great
pharmacist, professor, dean, University
administrator, advisor and counselor. Candidate
must have a minimum grade point average of
3.0 and be in the fourth year of the program
for consideration.

CVS Pharmacy Scholarship

criteria for selection includes a fourth-year
student who demonstrates academic excellence
and a strong commitment to community
pharmacy practice. An interest in chain
pharmacy practice is preferable.

Ralph DePalma, Jr. Memorial Scholarship Award

This award is sponsored by the Royal Counties
of New York Society of Hospital Pharmacists
and established in memory of Ralph DePalma.
The criteria for selection includes leadership,
dedication to all aspects of the practice of
pharmacy, pharmacy organization involvement,
communication skills and the ability to interact
in a positive way with other health care
professionals. This award is given to a
graduating senior.

Eli-Lilly Achievement Award

A gold medal is awarded to a pharmacy
graduate who has displayed superior scholastic
and professional achievement, desirable
qualities of professional leadership and ethical
conduct.

Facts and Comparisons

Award for Excellence in Clinical
Communications—Recipient must be in top
25% of his or her class and have outstanding
clinical communication skills.

Glaxo SmithKline, Patient Care Award (formerly Smith Kline Beecham Award)

A plaque is awarded to a graduating senior for
superior achievement in clinical pharmacy. The
student must have demonstrated superior
knowledge in drug use, skill in clinical
techniques and must have contributed
significantly to improved patient care.

Health Professions Award

This award is given to the allied health major
who has, in the opinion of both the College
and the hospital faculty, demonstrated
academic excellence, service to college and
community and future promise of professional
leadership.

Indo-American Pharmaceutical Society Award

Two monetary scholarships are awarded. The
first award is given to a fourth-year student of
Indian heritage with excellent grades. The
second award is open to all fourth-year
students.

JM Long Foundation Scholarship Award

A monetary award is presented to a deserving
fourth-or fifth-year student planning to
practice in the retail community setting.

The Bruce Kay Memorial Award of Merit (Sponsored by Pfizer)

This award is granted to a graduating student who has demonstrated excellence in both didactic and clinical course work by maintaining a grade point average of no less than 3.0. A written essay must be submitted for consideration.

The Herb and Patricia Kett Scholarship

This scholarship is sponsored by the National Association of Chain Drug Stores, provides a \$500 annual award to a fifth-year pharmacy student. The award is based on scholastic achievement and financial need (student must file an FAF) and is for a student who plans to enter community practice.

Korean American Pharmaceutical Association Award

The criteria for this award include high academic excellence. The student must be of Korean heritage.

Long Island Pharmacist Society, Inc. Award

This award is given to a fifth-year student in the undergraduate program involved in socio-professional organizations, national, state and local societies. The student must be in good academic standing and be a member of LIPS. An essay outlining an interest in community pharmacy is required.

Long Island Society of Hospital Pharmacists Award

This award is given to the student who has made an outstanding contribution to an institutional clinical pharmacy program. The basis of the award is improvement of patient care through patient-oriented pharmacy services.

Vincenzo J. Mantia Memorial Scholarship

This scholarship was established in honor of a former graduate, Class of 1941, who provided outstanding care as a pharmacist to his community. The recipient of this \$1,000 scholarship must be a pharmacy major who has completed the first professional year of the pharmacy program and has demonstrated superior scholastic achievement, provided outstanding community service and has financial need.

Ralph Martorana Award

This award was established in memory of Ralph Martorana and is awarded to the student who demonstrates excellence in the Community Pharmacy Laboratory.

Merck & Co., Inc.

Awards are made to members of the graduating class (number dependent upon number in class) for excellence in their studies and particular accomplishment in the area of pharmaceuticals and pharmaceutical chemistry.

Anthony J. Monte-Bovi Award

Established by the Alumni Association in memory of Anthony J. Monte-Bovi, Professor of Pharmaceutical Chemistry. This award is given to a member of the graduating class who attains the highest average in pharmaceutical chemistry.

Mylan Pharmaceuticals, Inc. Award

A framed certificate and copy of the looseleaf edition of Drug Interactions Facts is given to a pharmacy senior who demonstrates high professional motivation and the intent to enter practice upon graduation or enter a post-entry level education and/or training program of an applied nature. The recipient must be in the top 20% of the class. An additional criterion may be superior proficiency in the provision of drug information services.

National Community Pharmacists Association (NCPA) Student Achievement Award (Sponsored by Bristol Myers Squibb)

This award is given to a fourth-year student in recognition of dedication and scholastic excellence in community pharmacy.

New York City Society of Hospital Pharmacists Award

A plaque is given to a pharmacy senior in New York City whose outstanding activities in hospital pharmacy have been demonstrated at a hospital teaching site.

Outstanding Research Performed by a Graduating Toxicology Major Award

This award is given to a senior toxicology major for commitment to undergraduate research.

Pfizer U.S. Pharmaceuticals Outstanding Leader Award

The qualified candidate should be ranked in the top 25% of the class and named on the Dean's List for two semesters. This candidate should demonstrate good interpersonal skills, a commitment to professional practice and a record of accomplishment as a student leader and active participant in professional organizations.

Pharmaceutical Society of the State of New York Award

The society offers a five-year membership to the pharmacy graduate who has demonstrated continued interest in organizational work during his or her college years.

Phi Delti Chi Award

In memory of Dr. John L. Dandreaux, founder and first Dean of the College of Pharmacy, and brother Michael Iaropoli, recognition is given to a pharmacy student who exhibits originality and leadership in extracurricular activities. A plaque is presented to the recipient.

Phi Lambda Sigma Leadership Award

This award is given in recognition of outstanding leadership to a student member of the society.

Physician Assistant Academic Excellence Award

This award is given to the student with the highest grade point average in the pre-clinical science program.

Rho Chi Society Research Award

Beta Delta Chapter offers an award to a graduating class member who has demonstrated outstanding research ability in one of the pharmaceutical sciences.

Rho Chi Society Scholarship Award

Beta Delta Chapter has inscribed on the Rho Chi Honor Roll the name of the graduate who receives the highest average in the professional courses. A plaque is presented to the recipient.

Rite-Aid Award

A monetary award is provided to three students who are currently employed with Rite-Aid. As a pharmacy intern, qualified candidates must demonstrate a desire to pursue a career in retail/community pharmacy setting, have excellent communication and leadership skills with a financial need.

Roche Pharmacy Communication Award

This award is presented to the student demonstrating effective communication with prerequisite knowledge in a form which can be received and used by the patient. In addition, the student should demonstrate a commitment to the profession and an interest in patient care, along with being congenial and compassionate toward the needs of the patient.

Alfred and Michael Seul Memorial Student Life Award

(formerly the Michael Seul Memorial Student Life Award.)

This award was renamed in 2000 in honor of the father and son. The award is given to a graduating senior who has been active in University or community service.

St. Luke Physician Assistant Award

This award is presented to the senior Physician Assistant who has provided unselfish service in medical care.

St. Luke/St. Martin de Porres Award

A plaque is presented to a senior who best exemplifies the tradition of St. Luke and St. Martin in unselfish service to those in need of health care service, over and above curriculum requirements.

TEVA Award

This pharmaceutical organization has made available the Outstanding Student Award Program. This is given to a graduating senior who excels in pharmacy. A personalized plaque and monetary award are provided.

Vincent DePaul Toxicologist Award

An award of \$100 and a certificate are presented to an undergraduate toxicology major for overall excellence in toxicology.

Joseph Balkon Toxicology Leadership Award

This award is voted by the toxicology faculty to the student who has demonstrated outstanding initiative, leadership and team-building skills while remaining in good academic standing.

Christine Veal Award

This award is given to a junior, physician assistant major, in memory of a physician assistant graduate, in good academic standing who has an exceptional grade point average and makes formal application, including an essay, to the Physician Assistant Alumni Committee.

Walgreen's Award

This award was established to give a deserving student a scholarship that demonstrates an interest in community pharmacy practice. Criteria for this award include academic excellence, leadership and good communication skills.

Wal-Mart Scholarship Award

A monetary award is given to a student who demonstrates academic excellence and a strong commitment to community pharmacy practice.

Westchester Society of Health-System Pharmacists

A monetary award is given to a qualified candidate based on criteria established by the society. This award is open to all fourth- and fifth-year students.

Honor Society

The Beta Delta Chapter of the Rho Chi Society, the national pharmaceutical honor society seeking the advancement of the pharmaceutical sciences through encouragement and recognition of high scholarship and research, was established at St. John's University in 1954. Pharmacy students who have achieved fourth-, fifth-, and sixth- year status, who have a cumulative quality point index of 3.5 or better and are in the top 20% of the class are eligible for nomination to membership.

Scholarships

The Office of Financial Aid has information regarding scholarships and loan programs.

Leadership Society

The Xi Chapter of Phi Lambda Sigma, a pharmacy leadership society, seeks to promote the development of leadership qualities in pharmacy students. With the fundamental assumption that leaders are made not born, the Society encourages participation in all pharmacy activities, provides opportunities for leadership development, and aids in selecting those who may wish to identify and demonstrate their leadership abilities. Pharmacy students who have achieved fourth- or fifth-year status, who have a cumulative quality point index of 2.5 or better and who have been nominated on the basis of their demonstration of dedication, service and leadership in the advancement of pharmacy are eligible for membership.

Program Requirements

Entry Level Pharm.D.

(Minimum of 201 semester hours)

The faculty expressly reserves the right to make alterations in the curriculum consistent with the needs of the profession.

First Year

Fall Semester	Credits
ENG 1000C*	3
THE 1000C*	3
CHE 1110, 1111, 1112	4
MTH 1250	3
DNY 1000C	3
CPP 1101	1
TOTAL	17
Spring Semester	
ENG 1100C*	3
THE 2000-2999	3
CHE 1120, 1121, 1122	4
MTH 1260	3
PHI 1000C	3
PHR 1101	1
TOTAL	17

Second Year

Fall Semester	
THE 3300*	3
PHI 2240*	3
BIO 2000	3
CHE 1130, 1131, 1132	4
SPE 1005C	3
PAS 2301	1
TOTAL	17
Spring Semester	
PHI 3000C	3
PAS 2201	3
BIO 3000	3
PHS 2101	3
PHS 2201	4
PHS 2301	1
TOTAL	17

*Note: *These courses will be taught both semesters.*

Third Year

Fall Semester	
PAS 3101	4
PHS 3504	3
[PHS 3505	2]
[PHS 3506	2]
PAS 3301	3
Elective	2
PAS 3102	1
PHS 3302	1
TOTAL	18
Spring Semester	
PAS 3103	4
PHS 3507	3
[PHS 3508	2]
[PHS 3509	2]
PHS 3510	3
CPP 3201	2
PAS 3104	1
PHS 3303	1
TOTAL	18

Fourth Year

Fall Semester

[PHR 4105	4]
[PHR 4109	3]
[PHR 4110	3]
PAS 4303	3
CPP 4301	2
PHR 4201	1
PHS 5301	2
TOTAL	18

Spring Semester

[PHR 4107	3]
[PHR 4111	3]
[PHR 4112	4]
PAS 4401	3
PAS 4305	2
PHR 4202	1
CPP 4402	2
TOTAL	18

Fifth Year

Fall Semester

[PHR 5108	4]
[PHR 5106	3]
[PHR 5107	3]
PAS 5202	4
PHR 5201	1
CPP 5301	3
PHR 5000+	0
TOTAL	18

Note: The bracketed courses will be taught sequentially.

+Course required for graduation.

Spring Semester

Module Rotations	15
CPP 4401	1
TOTAL	16

Sixth Year

Fall Semester

Module Rotations	12
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There are a total of nine rotations in the entry-level Doctor of Pharmacy Program. The rotations are divided in four-week blocks at three credits each. Of the nine rotations only the externships are required in the fifth academic year. The rotations are as follows:

Required Rotations

1. CPP 5401 Institutional Pharmacy Practice Externship
2. CPP 5402 Ambulatory Pharmacy Practice Externship
3. CPP 5403 Inpatient Clerkship I
4. CPP 5407 Ambulatory Care Clerkship
5. CPP 5405 Inpatient Clerkship II

Elective Rotations

1. CPP 5404 Elective Clerkship I
2. CPP 5408 Elective Clerkship II
3. CPP 5409 Elective Clerkship III
4. CPP 5410 Elective Clerkship IV

Spring Semester

CPP 6101	3
CPP 6102	3
PHR 6102	3
Professional Elective	3
Professional Elective	3
TOTAL	15

Medical Technology

(Minimum of 132 semester hours)

The Medical Technology Program continues undergoing revision. The faculty expressly reserves the right to make alterations in the curriculum consistent with the needs of the profession.

First Year

Fall Semester

	Credits
ENG 1000C	3
MTH 1250	3
CHE 1110, 1111, 1112	4
BIO 2000, 2001	4
DNY 1000C	3
TOTAL	17

Spring Semester

ENG 1100C	3
MTH 1260	3
CHE 1220, 1221, 1222	4
TOX 1401	3
TOX 1402L	1
PHI 1000C	3
TOTAL	17

Second Year

Fall Semester

CHE 1130, 1131, 1132	4
PHY Elective	3
THE 1000C	3
PHI 2200/2240/1020	3
BIO 2280, 2281	4
TOTAL	17

Spring Semester

BIO 3460,3461	4
ALH 2101	2
THE 2XXX	3
PHS 4204	3
PHI 3000C	3
TOTAL	15

Third Year

Fall Semester

TOX 4413	3
TOX 4414	2
PHS 3103	
PHS 3104	1
THE 3XXX	3
SPE 1000C	3
LAC 1000C or ART 1000C	3
TOTAL	18

Spring Semester

Social Science Elective	3
PHS 3105	3
PHS 3101	3
PHS 2101	3
LAC 1100C or ART 1100C	3
HIS 1000C	3
TOTAL	18

Fourth Year

Fall Semester

ALH 4141	6
ALH 4142	2
ALH 4143	2
ALH 4144	4
TOTAL	14

Spring Semester

ALH 4145	6
ALH 4146	8
ALH 4147	2
TOTAL	16

Toxicology

(Minimum of 127 semester hours)

The Toxicology Program continues undergoing revision. The faculty expressly reserves the right to make alterations in the curriculum consistent with the needs of the profession.

First Year

Fall Semester

	Credits
ENG 1000C	3
MTH 1250	3
CHE 1210, 1211, 1212	5
BIO 2000	3
BIO 2001	1
DNY 1000C	3
TOTAL	18

Spring Semester

MTH 1260	3
CHE 1220, 1221, 1222	5
TOX 1401	3
TOX 1402L	1
ENG 1100C	3
TOTAL	15

Second Year

Fall Semester

CHE 2230, 2231, 2232	5
PHY 1610, 1611, 1612	4
TOX 2403	3
PHS 3104	1
PHS 3103	3
TOTAL	16

Spring Semester

CHE 2240, 2241, 2242	5
PHY 1620, 1621, 1622	4
PHS 3105	3
PHI 1000C	3
THE 1000C	3
TOTAL	18

Third Year

Fall Semester

Social Science Elective	3
TOX 3405	4
PHI 2200/2240/1020	3
HIS 1000C	3
THE 2XXX	3
TOTAL	16

Spring Semester

PHS 2201	4
ALH 2301	1
TOX 3406	4
PHS 3509	2
PHS 3101	3
THE 3XXX	3
TOTAL	17

Fourth Year**Fall Semester**

TOX 4413	3
TOX 4414	2
TOX 4404	4
TOX 4405	1
LAC 1000C or ART 1000C	3
Research Options	
TOTAL	13–18

Spring Semester

TOX 4403	4
LAC 1100C or ART 1100C	3
TOX 4412	4
PHI 3000C	3
Research Options	
TOTAL	14–18

Physician Assistant

(Minimum of 133 semester hours)

The faculty expressly reserves the right to make alterations in the curriculum consistent with the needs of the profession.

First Year**Fall Semester**

ENG 1000C	3
MTH 1250	3
CHE 1110, 1111, 1112	4
BIO 2000	3
DNY 1000C	3
TOTAL	16

Spring Semester

ENG 1100C	3
ALH 1201	2
CHE 1120, 1121, 1122	4
BIO 3000	3
THE 1000C	3
PHI 1000C	3
TOTAL	18

Second Year**Fall Semester**

CHE 1130, 1131, 1132	4
BIO 2280, 2281	4
PHS 3103	3
PHS 3104	1
PHI 2200/2240/1020	3
THE 2XXX	3
TOTAL	18

Spring Semester

PHS 2201	4
PHS 3509	2
PHS 3105	3
PHI 3000C	3
THE 3XXX	3
PHS 3101	3
TOTAL	18

Third Year

(42 weeks of didactic education)

Summer

ALH 4240	3
TOTAL	3

Fall Semester

ALH 4241	15
TOTAL	15

Spring Semester

ALH 4242	15
TOTAL	15

Fourth Year

(52 weeks of clinical experience)

Summer

ALH 5240	6
TOTAL	6

Fall Semester

ALH 5241	12
TOTAL	12

Spring Semester

ALH 5242	12
TOTAL	12

Pathologist Assistant

(Minimum of 132 semester hours)

The faculty expressly reserves the right to make alterations in the curriculum consistent with the needs of the profession.

First Year**Fall Semester**

CHE 1110, 1111L, 1112R	4
BIO 2000	3
BIO 2001L	1
ENG 1000C	3
MTH 1250	3
DNY 1000C	3
TOTAL	17

Spring Semester

CHE 1120, 1121L, 1122R	4
BIO 3000	3
BIO 3001	1
ENG 1100C	3
PHI 1000C	3
MTH 1260	3
TOTAL	17

Second Year**Fall Semester**

BIO 2280, 2281	4
CHE 1130, 1131L, 1132R	4
LAC 1000C or ART 1000C	3
PHI 2000/2240	3
THE 1000C	3
TOTAL	17

Spring Semester

PHS 2101	3
PHS 2201	4
ALH 2301	1
LAC 2000C or ART 1100C	3
THE 2XXX	3
PHI 3000C	3
TOTAL	17

Third Year**Fall Semester**

TOX 3405	4
BIO 2260,2261	4
SPE 1000C	3
PHS 3103	3
PHS 3104	1
Social Science	3
TOTAL	18

Spring Semester

PHS 3101	3
PHS 3105	3
THE 3XXX	3
BIO 3270, 3271	4
HIS 1000C	3
TOTAL	16

Fourth Year**Fall Semester**

ALH 4341	15
TOTAL	15

Spring Semester

ALH 4341	15
TOTAL	15

Cytotechnology

(Minimum of 130 semester hours)

The faculty expressly reserves the right to make alterations in the curriculum consistent with the needs of the profession.

First Year**Fall Semester**

ENG 1000C	3
MTH 1250	3
CHE 1110, 1111, 1112	4
BIO 2000/2001	4
DNY 1000C	3
TOTAL	17

Spring Semester

ENG 1100C	3
MTH 1260	3
CHE 1120, 1121, 1122	4
BIO 3000, 3001	4
PHI 1000C	3
TOTAL	17

Second Year**Fall Semester**

CHE 1130, 1131, 1132	4
BIO 2280, 2281	4
THE 1000C	3
MFL 1000C or ART 1000C	3
SPE 1000C	3
TOTAL	17

Spring Semester

PHS 2101	3
PHI 2200/2240/1020	3
LAC 1100C or ART 1100C	3
Social Science Elective	3
THE 2000–2999	3
TOTAL	15

Third Year

Fall Semester	
PHS 3103	3
PHI 3000C	3
BIO 2260, 2261	4
THE 3000	3
HIS 1000C	3
PHS 3104	1
TOTAL	17
Spring Semester	
PHS 3101	3
BIO 3270, 3271	4
BIO 3320, 3321	4
PHS 3105	3
General Elective	3
TOTAL	17

Fourth Year

(52 weeks of didactic education and clinical experience)

Fall Semester	
ALH 4421	15
Spring Semester	
ALH 4421	15

Minors Available for Allied Health Students

(except pharmacy students)

Business
Chemistry
Computer Science
English
Government and Politics
History
Philosophy
Psychology
Sociology
Theology

Minors Approved for Pharmacy Students

Biology
Business
Chemistry
Philosophy
Psychology
Public Administration and Public Service
Sociology
Theology and Religious Studies

The official course descriptions may be found on the Web version of the Bulletin.

Allied Health Course Offerings (ALH)

Objectives

To provide a strong foundation in the basic allied health and industrial sciences and the necessary tools to work in selected allied health professions and various related industrial sciences.

1201 Introduction to Health Care

Problems in the development of comprehensive health services in the United States; characteristics of a profession; development of modern medical practice; medical terminology; consideration of the many health professions that form the health team. *Lecture, 2 hours. Credit: 2 semester hours.*

2101 Introduction to Medical Technology

Historical development of the clinical laboratory sciences profession. Introduction to the types of tests performed in a clinical laboratory. *Lecture, 2 hours. Credit: 2 semester hours.*

ALH 2301 Biopharmaceutical Chemistry (Allied Health Students only)

Prerequisites: CHE 1110, 1111, 1112, 1120, 1121, 1122, 1130, 1131, 1132; BIO 1210. *Co-requisites:* PHS 2201, BIO 1221
Demonstration and experimentation of basic principles of pharmaceutical, biochemistry and biotechnology. *Laboratory, 3 hours. Credit: 1 semester hour. Fee: \$120.*

4141 Clinical Microbiology (Med. Tech.)

Students are trained in the preparation of media; identification of organisms; testing of antibiotic sensitivity; examination of direct smears; fungus isolation techniques; autogenous vaccine preparation and phage typings. *Lectures and laboratory. Credit: 6 semester hours.*

4142 Clinical Immunology (Med. Tech.)

The diagnosis of venereal diseases, infectious mononucleosis, febrile states, Rickettsial diseases, etc., are included. Principles of complement fixation, flocculation, precipitation, fluorescent antibody and T.P.I. are included. *Laboratory and lecture. Credit: 2 semester hours.*

4143 Clinical Parasitology (Med. Tech.)

Lectures and laboratory experiments enable students to identify the parasites and vectors that are most important to man. *Credit: 2 semester hours.*

4144 Clinical Immunohematology (Med. Tech.)

The theory and practice of blood group systems; abnormal antibody detection; compatibility testing; blood procurement; the management of hospital blood banks. *Credit: 4 semester hours.*

4145 Clinical Hematology (Med. Tech.)

The theoretical and practical aspects of hematology, proceeding from a study of normal blood constituents and hematopoiesis to disorders of the blood and bone marrow. *Lectures and laboratory. Credit: 6 semester hours.*

4146 Clinical Chemistry (Med. Tech.)

The chemical analysis of body fluids such as blood, urine, spinal fluid. Gas determinations and toxicological tests are performed. Manual methods, instrumentations and quality control are included. *Credit: 8 semester hours.*

4147 Urinalysis (Med. Tech.)

The methods of collecting, preserving and analyzing urine (the physical and chemical properties; assays for normal and abnormal constituents; kidney function tests; and pregnancy test.) *Credit: 2 semester hours.*

4240 Introduction to the Didactic Physician Assistant Experience

Starting with medical terminology and introduction to professional practice, this course starts the application of basic science skills to the professional body of knowledge. *Credit: 3 semester hours. Summer only.*

**4241; 4242 Clinical Experience-Didactic (Physician Assistant)

Integumentary system, medical-surgical conditions of the head and neck; musculo-skeletal; cardiovascular; respiratory; nervous; digestive; genito-urinary; reproductive and endocrine system, pediatrics and geriatrics. *Credit: 12; 15 semester hours. 2 semesters.*

**4341 Clinical Experience (Pathologist Assistant)

The clinical experience is provided over a 12-month period on a rotational basis. The student is assigned to a pathologist preceptor so that practical instruction may be acquired. *Credit: 15 semester hours. 2 semesters.*

**4441 Professional Didactic Program and Clinical Rotation for Cytotechnologists

This 12-month course includes general studies of the special cytology clinical rotations including: cytopreparatory techniques and record keeping. *Credit: 30 semester hours.*

5240 Transition to the Clinical Physician Assistant Experience

This three-month course provides transition from the previous didactic work to the commencement of the year long medical studies in the clinical setting. On-call rotations begin during this semester. *Credit: 6 semester hours. Summer only.*

**5241; 5242 Clinical Experience-Clinical (Physician Assistant)

The clinical experience is provided over a fourteen-month period on a rotational basis in the areas of medicine, surgery, pediatrics, obstetrics/gynecology and primary medical care and elective rotations. *Credit: 12 semester hours. 2 semesters. Note: One grade is given for all semesters' credit.*

Pharmacy Course Offerings (PHR)

1101 St. John's University Experience/Shadowing

Prerequisite(s): CPP 1101. This course is designed to allow the student an opportunity to develop an appreciation for contemporary pharmacy practice by observing various pharmacy practitioners in their professional settings. Given on a Pass-Fail basis. *Lecture, 1 hour. Credit: 1 semester hour.*

4105 Drugs and Infectious Diseases

Prerequisite(s): All courses in the first three years. Instruction in the area of infectious diseases (pathophysiology, medicinal chemistry, pharmacology, therapeutics and self-care therapeutics). *Lecture, 4 hours. Credit: 4 semester hours.*

4107 Drugs and Diseases of the Respiratory Systems

Prerequisite(s): All courses in the first three years. This course is designed to instruct the student in the area of respiratory disease (pathophysiology, pharmacology, medicinal chemistry, therapeutics and self-care therapies). *Lecture, 3 hours. Credit: 3 semester hours.*

4109 Drugs and Diseases: Skin, Connective Tissue, and Miscellaneous Diseases

Prerequisites: ALL courses of the first three years. This course is designed to instruct students in the area of diseases of the skin and connective tissue, with additional focus on miscellaneous disease states including anemias, some coagulation disorders and glaucoma. Teaching emphasis will be sequential method of instruction relevant to specific disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics, and self care therapies. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Credit: 3 semester hours.*

4110 Drugs and Diseases of the Cardiovascular/Renal Systems I

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the areas of cardiovascular and kidney disease and electrolyte imbalances. Teaching emphasis will be a sequential method of instruction relevant to specific disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics, and self care therapies. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Credit: 3 semester hours.*

4111 Drugs and Diseases of the Cardiovascular/Renal Systems II

Prerequisites: ALL courses of the first three years and PHR 4110. This course is designed to instruct the student in the area of cardiovascular and kidney disease. Teaching emphasis will be a sequential method of instruction relevant to specific disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics, and self care therapies. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Credit: 3 semester hours.*

4112 – Drugs and Diseases of the Nervous System

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the area of neurological and psychiatric disorders. Teaching emphasis will be a sequential method of instruction relevant to specific disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics, and self-care therapies. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Credit: 4 semester hours.*

4201 Pharmacy Practice Laboratory III

Prerequisite(s): All required third-year course work. *Corequisite(s):* PHR 4101, PHR 4102, PHR 4103, PHR 4104, PAS 4303. Provides the student the opportunity to apply data in a simulated pharmacy setting, assess patient findings, evaluate new prescription orders, prepare the new order and address any potential problems that are identified, dispense the preparation to the patient. *Laboratory, 3 hours. Credit: 1 semester hour. \$120 fee.*

4202 Pharmacy Practice Laboratory IV

Prerequisite(s): All required third-year course work and PAS 4303. *Corequisite(s):* PHR 4105, PHR 4106, PHR 4107. Provides the student the opportunity to apply data in a simulated pharmacy setting, assess patient findings, evaluate new prescription orders, prepare the new order and address any potential problems that are identified, dispense the preparation to the patient. *Laboratory, 3 hours. Credit: 1 semester hour. \$120 fee.*

5000 Cardiopulmonary Resuscitation Techniques and First Aid

This Standard First Aid course provides the student with the basic principles of cardiopulmonary resuscitation (CPR) and leads to CPR and first-aid certifications. Certification must be obtained prior to the advanced experiential rotations. *Lecture, one 5 1/2-hour course. Credit: 0 semester hour.*

5106 Drugs and Diseases of the Endocrine and Reproductive Systems

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the area of endocrine and reproductive disorders. Teaching emphasis will be sequential method of instruction relevant to specific disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics, and self care therapies. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Credit: 3 semester hours.*

5107 Drugs and Diseases of the Gastrointestinal and Genitourinary Tracts

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the area of diseases of the gastrointestinal and genitourinary tract. Teaching emphasis will be sequential method of instruction relevant to specific disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, therapeutics, and self care therapies. This course will incorporate interdisciplinary instruction utilizing faculty with varied areas of expertise and experience. *Credit: 3 semester hours.*

5108 Drugs and Neoplastic and Associated Diseases

Prerequisite(s): All courses in the first four years. This course is designed to instruct the student in the area of neoplastic disorders (pathophysiology, pharmacology, medicinal chemistry, therapeutics and self-care therapeutics). *Lecture, 4 hours. Credit: 4 semester hours.*

5201 Biomedical Laboratory IV (for pharmacy majors only)

Prerequisite(s): PHS 2301, PHS 3302, PHS 3303, BIO 1210, BIO 1220, PHS 3504, PHS 3507, PHS 3508, PHS 3509. *Co-requisite(s):* PHR 4101, PHR 4102, PHR 4103 and PHR 4104. Demonstration and experimentation of basic principles of medicinal chemistry, pharmacology, toxicology and biotechnology. *Laboratory, 3 hours. Credit: 1 semester hour. \$120 fee.*

Clinical Pharmacy Practice Course Offerings (CPP)

Candace Smith, Pharm.D., Chair

Objectives

The department seeks to provide students with the opportunity to acquire the knowledge, develop the attitudes and master the skills required for contemporary clinical pharmacy practice.

Lectures, utilization of the multi-media programs in the Resource Center, and individual and group conferences with faculty and preceptors give the student the opportunity to acquire the knowledge base required to be a drug advisor on the health care team.

By participation in health care settings throughout the curriculum and through interactions with patients, physicians, nurses, paraprofessionals and pharmacists, assistance is given to the student to develop the professional attitudes and acquire the communication techniques and skills that are prerequisites for health practitioners who wish to apply academic knowledge to practical situations.

Utilization of the Pharmacy Practice and Patient Assessment Laboratories and primary health care settings, including community pharmacies, allows the student to become familiar with the legal, administrative and clinical aspects of successful pharmacy practice.

In addition, other clinical training sites are utilized as resources for student instruction in therapeutic drug monitoring, provision of drug information and patient interviewing and education. These include major metropolitan area medical centers, community hospitals and clinics, and institutions emphasizing the care of specific patient populations (e.g., pediatric, psychiatric, geriatric care).

1101 Introduction to Pharmacy Practice

This course is designed to provide the student with an overview of the pharmacy profession and contemporary practice issues. Given on a Pass-Fail basis. *Lecture, 1 hour. Credit: 1 semester hour.*

3153 Introduction to Alternative Medicine

Prerequisites: CPP 1101, PAS 2301. This course is intended to provide an introduction to the origin, basic principles, indications and philosophy of selected alternative medicine modalities. *Lecture, 2 hours. Credit: 2 semester hours.*

3201 Introduction to Pharmaceutical Care

Prerequisite(s): PHS 2101, PAS 3301. *Corequisite(s):* PHS 3510. This course is designed to introduce the student to the concept of pharmaceutical care. *Lecture, 2 hours. Credit: 2 semester hours.*

3951 Research in Clinical Pharmacy I*

Students participate in clinical research studies under the direction of clinical faculty. *Permission for student participation must be obtained from a clinical faculty member prior to course registration. Credit: 3 semester hours.*

3952 Research in Clinical Pharmacy II*

Prerequisite: CPP 3951. Opportunity for students to continue clinical research activities or undertake additional projects. *Same requirements as stated in CPP 3951 description. Credit: 3 semester hours.*

4301 Drug Information and Laboratory

Prerequisite(s): CPP 3201, PHS 3508, PHS 3509. The philosophy and fundamentals of drug information practice, and the application of drug information skills in the delivery of pharmaceutical care are discussed. *Lecture, 1 hour; Laboratory, 1 hour. Credit: 2 semester hours.*

4401 Pharmacy Practice Externship

Prerequisites: CPP 4301, CPP 3201, PHS 3508, PHS 3509, PAS 4303. This course is an experiential training course that exposes the student to all aspects of traditional pharmacy practice, both in the ambulatory as well as the institutional setting. *Externship, 30 hours. Credit: 1 semester hour.*

4402 Literature Evaluation and Research Design

Prerequisite: CPP 4301. Provides the student with the skills and knowledge base to critically evaluate the primary literature and understand the practical implications of such literature. *Lecture, 2 hours. Credit: 2 semester hours.*

5301 Clinical Applications of Pharmacokinetics and Pharmacodynamics

Prerequisite: PAS 4401. This course is designed to explore prevailing topics in the areas of applied clinical pharmacokinetics, pharmacodynamics, toxicokinetics and include some aspects of special drug delivery systems. Application of advanced pharmacokinetic principles will be covered including examples of drugs and exhibit linear and non-linear pharmacokinetics. Clinically relevant pharmacodynamic principles will be covered. Principles and physio-chemical properties of drugs removed by extracorporeal systems will be discussed. *Credit: 3 semester hours*

5401 Institutional Pharmacy Practice Externship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This course is a module rotation in which the student participates in the provision of pharmaceutical services in an institutional setting. *Externship, 160 hours. Credit: 3 semester hours.*

5402 Ambulatory Pharmacy Practice Externship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This is an experiential training course that exposes the student to all aspects of pharmacy practice in the ambulatory setting. *Externship, 160 hours. Credit: 3 semester hours.*

5403 Inpatient Clerkship I

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This course is an experiential rotation in an approved institution that is intended to expose the student to various aspects of clinical pharmacy practice in the inpatient setting. *Clerkship, 160 hours. Credit: 3 semester hours.*

5404 Elective I Clerkship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This rotation introduces the student to a specialized area of pharmacy practice. This area may be selected according to the student's interest or an area of medicine in need of further emphasis. *Clerkship, 160 hours. Credit: 3 semester hours.*

5405 Inpatient Clerkship II

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. An experiential rotation to expose the student to various aspects of clinical pharmacy practice in the inpatient setting, stressing the development of clinical skills that were introduced in the Inpatient Clerkship I rotation. *Clerkship, 160 hours. Credit: 3 semester hours.*

5407 Ambulatory Care Clerkship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This course is an experiential rotation that is intended to expose the student to various aspects of clinical pharmacy practice in the setting. *Clerkship, 160 hours. Credit: 3 semester hours.*

5408 Elective II Clerkship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This rotation introduces the student to a specialized area of pharmacy practice. This area may be selected according to the student's interest or an area of medicine in need of further emphasis. *Clerkship, 160 hours. Credit: 3 semester hours.*

5409 Elective III Clerkship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This rotation introduces the student to a specialized area of pharmacy practice. This area may be selected according to the student's interest or an area of medicine in need of further emphasis. *Clerkship, 160 hours. Credit: 3 semester hours.*

5410 Elective IV Clerkship

Prerequisites: All required courses through the fall of fifth year and successful completion of the comprehensive examination. This rotation introduces the student to a specialized area of pharmacy practice. This area may be selected according to the student's interest or an area of medicine in need of further emphasis. *Clerkship, 160 hours. Credit: 3 semester hours.*

6101 Case Studies in Drugs and Diseases Issues in Pharmaceutical Care

Prerequisites: All required courses through the fifth year. A patient case-based interactive learning experience designed to strengthen the student's ability to provide pharmaceutical care. Emphasis is placed on patient assessment and development of a pharmaceutical care plan. *Lecture, 3 hours. Credit: 3 semester hours.*

6102 Prevention and Management of Drug Induced Diseases

Prerequisites: All required courses through the fifth year. A general understanding of adverse drug events including monitoring, evaluating, preventing and managing these events provides a basis for organ system specific drug-induced disease issues. *Lecture, 3 hours. Credit: 3 semester hours.*

6103 Pharmacodynamics and Advanced Pharmacokinetics

Prerequisites: PAS 4304, PHR 4201. This course is designed to provide advanced study of prevailing topics in the areas of applied clinical pharmacokinetics, pharmacodynamics, and includes some aspects of special drug delivery systems. *Lecture, 3 hours. Credit: 3 semester hours.*

6104 Geriatric Pharmacotherapy

Prerequisites: All courses through fifth year. *Corequisites:* CPP 6101, CPP 6102, CPP 6103, PHR 6101. This course is designed to introduce the student to the physiologic, pharmacologic and sociologic aspects of aging. This course will focus on: 1) physiological and practical aspects of medication use in the elderly; 2) the pharmacist's role in geriatric care, and 3) the management of disease states and syndromes that predominantly occur in the elderly. The use of a case study format will allow the student to gain experience in designing and monitoring drug regimens for the geriatric patient. *Lecture, 3 hours. Credit: 3 semester hours.*

6105 Contemporary Issues In Community Pharmacy

Prerequisites: All required courses throughout the fifth year. This course will expose the student to contemporary issues in community pharmacy practice. The role of the community pharmacist in the provision of pharmaceutical care will be explored in depth. Particular emphasis will be placed upon the emerging function of the pharmacists as an ambulatory care provider and integral part of the health care team. *Lecture, 3 hours. Credit: 3 semester hours*

6106 Advanced Concepts in the Management of Allergy and Immunologic Diseases

Prerequisites: All courses up through the fall of sixth year. The course is intended to facilitate the development of the skills and competencies necessary for the provision of pharmaceutical care to patients suffering from allergic and immunologic disorders. Contemporary issues in the pharmacologic and non-pharmacologic prevention and management of these disorders will be investigated in detail. Emphasis will be placed on patient assessment and the development of appropriate pharmaceutical care plans for both the ambulatory and inpatient settings. *Lecture, 3 hours. Credit: 3 semester hours.*

6107 Pharmacotherapy of Autoimmune Disorders

Prerequisites: All courses up through the fall of the fifth year. This course is intended to facilitate the development of the skills and competencies necessary for the provision of pharmaceutical care to patients suffering from autoimmune disorders. The pathophysiology for each disease state will be reviewed along with the pharmacology and therapeutics for the drugs available for their treatment. Emphasis will be placed on patient assessment and the development of pharmaceutical care plans for patients suffering from autoimmune disorders. *Lecture, 3 hours. Credit: 3 semester hours.*

6108 Pediatric Pharmacotherapy

Prerequisites: PHR 4105, PHR 4106, PHR 4107. This course is designed to introduce the student to the field of pediatric pharmacotherapy, emphasizing the maturational process involved from the neonatal period into adulthood that influences drug therapy. The units of instruction are developed to prepare future pharmacists in understanding the dosing and use of drugs specific to the pediatric population. *Lecture, 3 hours. Credit: 3 semester hours.*

6109 Comprehensive Management of HIV/AIDS

Prerequisite: PHR 4105. This course is intended to facilitate the development of the skills and competencies necessary for the provision of pharmaceutical care to patients infected with HIV. The course is intended to review the pharmacologic management of HIV infection and associated AIDS indicator conditions. Emphasis will be placed on patient assessment and the development of pharmaceutical care plans for patients suffering from HIV. *Lecture, 3 hours. Credit: 3 semester hours.*

CPP 6110 Advanced Topics in Infectious Disease

Pre-Requisite: PHR 4105 (D&D and advanced experiential rotations)
This course is designed to build and expand upon the principles of infectious diseases. A compendium of literature, studies, and guidelines in infectious diseases will be examined to obtain and in-depth knowledge of: pharmacodynamics of antimicrobial agents, the treatment of select disease states not covered by Drugs and Infectious Diseases (PHR 4105) and administrative methods to ensure optimal antimicrobial use. *Credit: 3 semester hours.*

Pharmaceutical Sciences Course Offerings (PHS)

Louis D. Trombetta, Ph.D., Chair

Objectives

The Department of Pharmaceutical Sciences is committed to providing a solid background in the biomedical sciences to allow students in pharmacy and allied health programs to acquire critical learning skills and to develop successful careers rendering health service to the public in industrial, academic and clinical settings. The department provides students with the fundamental knowledge base that enables them to interpret and remain current with the scientific literature in clinical and basic research. Students are prepared to explain the action of drugs in current use and to understand the manner in which these drugs are employed in clinical and basic science settings. Students are expected to acquire the necessary critical skills and background in chemistry, physiology, toxicology and pharmacology that are essential to understanding the nature, composition, standardization and evaluation of natural and synthetic substances used in the diagnosis, prevention and treatment of disease.

2101 Public Health for the Pharm.D.

Prerequisites: BIO 1210. *Corequisite(s):* BIO 1220. All aspects of public health including organizations, administration, environmental social health problems are discussed. The study of epidemiology and disease control is emphasized. *Lecture, 3 hours. Credit: 3 semester hours.*

2201 Biopharmaceutical Chemistry/Biotechnology

Prerequisites: CHE 1110, 1111, 1112, 1120, 1121, 1122, CHE 1130, 1131, 1133; BIO 1210. *Corequisite(s):* BIO 1220; PHS 2301. The course is an intermediate-level biochemistry and molecular biology lecture course. *Lecture, 4 hours. Credit: 4 semester hours.*

2301 Biomedical Laboratory I

Prerequisites: CHE 1110, 1111, 1112, 1120, 1121, 1122, 1130, 1131, 1132; BIO 1210. *Corequisite(s):* PHS 2201, BIO 1221. Demonstration and experimentation of basic principles of pharmaceutical biochemistry and biotechnology. *Laboratory, 3 hours, Credit: 1 semester hour. Fee \$120.*

3101 Introduction to Pathology (for allied health students)

Prerequisite: PHS 3103. A detailed discussion of the relationships between the normal and pathologic anatomy of the human body and disease mechanisms occurring in the major organ groups. *Lecture, 3 hours. Credits: 3 semester hours.*

3103 Human Anatomy and Physiology I (for allied health students)

Detailed study of the mechanisms whereby the human body maintains homeostasis in the major functional systems of the body to provide a foundation for the study of pharmacology. *Lecture, 3 hours. Credit: 3 semester hours.*

3104 Human Anatomy and Physiology Laboratory I (for allied health students)

Corequisite: PHS 3105. Demonstration and study of major functional systems of the body. *Laboratory, 3 hours. Laboratory fee \$120. Credit: 1 semester hour.*

3105 Human Anatomy and Physiology II (for allied health students)

Prerequisites: PHS 3103, *Corequisite:* PHS 3104. A study of the structure and function of the major body systems: nervous, endocrine, urinary, body fluids and electrolytes, reproductive system. *Lecture, 3 hours. Credit: 3 semester hours.*

3302 Biomedical Laboratory II (for pharmacy students)

Prerequisites(s): PHS 2301. *Corequisite(s):* PHS 3504, PHS 3506. Demonstration and experimentation of basic principles of human anatomy and physiology, microbiology, immunology and biotechnology. *Laboratory, 3 hours. Credit: 1 semester hour. \$120.*

3303 Biomedical Laboratory III (for pharmacy students)

Prerequisites: PHS 2301, PHS 3302. *Corequisites:* PHS 3504, PHS 3506. Demonstration and experimentation of basic principles of medicinal chemistry, pharmacology, toxicology and biotechnology. *Laboratory, 3 hours. Credit: 1 semester hour. \$120.*

3504 Applied Human Anatomy and Physiology I (Pharm. D. only)

Prerequisites: BIO 1210, BIO 1220, PHS 2201. *Corequisite:* PAS 3302. The structure and function of body systems; molecular aspects of cell biology; cell physiology; cell structure; tissues; integumentary, musculoskeletal, cardiovascular, lymphatic, respiratory and digestive systems. *Lecture, 3 hours. Credit: 3 semester hours.*

3505 Clinical Immunology

Prerequisites: BIO 1210, BIO 1220, PHS 2201, PHS 2101. A study of the lymphatic system, immune response and immunity in humans. *Lecture, 2 hours. Credit: 2 semester hours.*

3506 Introduction to Infectious Diseases

Prerequisites: BIO 1210, BIO 1220, PHS 2201, PHS 2101. A study of the general microbial concepts, principles of infectious disease and host parasite relationships. *Lecture, 2 hours. Credit: 2 semester hours.*

3507 Human Anatomy and Physiology II*Prerequisites:* PHS 2201, PHS 2301, PHS 3302.

A study of the structure and function of the major body systems: nervous, endocrine, urinary, body fluids and electrolytes, reproductive system. *Lecture, 3 hours.*
Credit: 3 semester hours.

3508 Introduction to Medicinal Chemistry*Prerequisites:* PHS 2201, PHS 2301, PHS 3302.

This course introduces the student to the scientific principles which are fundamental to medicinal chemistry and foundational to the integration of this basic pharmaceutical science into therapeutics. *Lecture, 2 hours.*
Credit: 2 semester hours.

3509 Introduction to Pharmacology

Prerequisites: PHS 2201, PHS 3504, PHS 2301, PHS 3302. *Corequisite(s):* PHS 3507, PHS 3303. This course introduces the student to the scientific principles which are fundamental to pharmacology and foundational to the integration of this basic pharmaceutical science into therapeutics. *Lecture 2 hours. Credit: 2 semester hours.*

3510 General Pathology and Clinical Laboratory Data

Prerequisites: PHS 3504, PHS 2101, PHS 3505, PHS 3506, PHS 3302. *Corequisite(s):* PHS 3507, PHS 3303. A detailed study of the basic principles involving the mechanisms of disease are discussed. Clinical correlates are covered with respect to laboratory data. *Lecture, 3 hours. Credit: 3 semester hours.*

3951; 3952 Research in Pharmaceutical Sciences I; II

An elective course designed to familiarize the student with opportunities for research (conducting an actual research project under the guidance of a faculty member in the student's chosen area). *Laboratory fee, \$120. Credit: 3 semester hours.*

4204 Introduction to Clinical Chemistry.

The study of clinical laboratory tests based on chemical principles or procedures and their use in the diagnosis, prognosis, and treatment of diseases. Information is provided on routine test specimens, the analytical principles underlying common laboratory tests and home test kits, and the correlation of laboratory results with patient's health status. Attention is also given to the effects of physiological, dietary and drug-related factors on laboratory values. *Credit: 3 semester hours.*

Toxicology (TOX)**3405; 3406 Principles of Toxicology I; II (formerly 2401, 2402)**

An introduction to toxicology with emphasis on material involved as well as systems affected. A discussion of the classifications of poisons and the preventive aspects.

*Lecture, 4 hours. Credit: 4 semester hours.***3407 Toxicology Analysis**

Prerequisites: CHE 2240. *Corequisites:* PHS 3405, 3408L. This course introduces students to principles of analysis for drugs and environmental contaminants as well as methods used in toxicological research. Topics will include sample preparation, analyte extraction, and detection. Techniques and instrumentation covered will include spectrophotometry, chromatography (TLC, GC, HPLC), mass spectrometry, immunoassay methods (EMIT, ELISA), and molecular biology. Lectures emphasize theoretical and practical aspects of analysis and instrumentation. *Lecture 3 hours. Credit: 3 semester hours.*

4403 Toxicology Colloquium (formerly PHS 3403)

The student is prepared for the process of identifying a research question of toxicological interest, research design and the handling of research data. *Lecture, 4 hours.*
Credit: 4 semester hours.

1401 Molecular Basis of Pharmaceutical Science and Pharmacogenomics

This course reviews the principles of cell biology in terms of the underlying molecular mechanisms that drive cellular function. The central dogma and functional concepts of molecular pharmaceutical science is reviewed and tied into the larger context of gene and genome function. Upon completion of the course, students will possess a working framework of molecular pharmaceutical sciences, genomic scale analysis and pharmacogenomics. Students will be prepared to integrate new molecular technologies and paradigms as they emerge. The course stresses the use of a range of resources available to health professionals. *Lecture, 3 hours.*
Credit: 3 semester hours.

1402L Pharmacogenomics and Molecular Principles Lab

Corequisite: PHS 1401. Students are exposed to new emerging molecular technologies and paradigms in a series of hands-on bench work and computational exercises. This series supports the students already developing framework of molecular biology and genomic scale analysis from the accompanying didactic course. In this lab, students are given a set of modular online labs to introduce, reinforce, and expand upon the concepts covered in the Pharmacogenomics and Molecular Principles course-lecture series. Online modules use existing academic and federal research institute resources wrapped into a modular format to introduce the students to information outlets for health professionals. The lab exercises teach and reinforce the concepts of evaluating whole systems, i.e., expression data sets, multiple allele analysis, etc. *Laboratory, 3 hours. Credit: 1 semester hour. Lab fee \$120.*

2403 Current Issues in Toxicology

Toxicology is the science concerned with understanding the nature of toxic chemicals and how they interact with living organisms. Public issues and controversies where toxic chemicals are involved are studied with respect to the social, political and scientific values that impinge on their resolution. *Lecture, 3 hours.*
Credit: 3 semester hours.

4404 Pharmacologic Toxicology

Prerequisites: PHS 3509, 3405, 2201. *Corequisites:* PHS 4401, PHR 4304. Agents affecting the autonomic, central nervous, cardiovascular, renal and endocrine systems, as well as antiinfective/antineoplastic agents are examined therapeutically and toxicologically. *Lecture, 4 hours.*
Credit: 4 semester hours.

4405 Pharmacologic Toxicology Laboratory

Prerequisite: PHS 3509. This laboratory will provide the student with opportunity to experience the effects of drugs and other toxic substances on living systems, in coordination with the course on Pharmacologic Toxicology. *Laboratory, 3 hours.*
Credit: 1 semester hour. Laboratory fee \$120.

4412 Regulatory Toxicology and Risk Analysis

Prerequisites: PHS 3406, PHS 3407, TOX 4404. Advance concepts of safety evaluation and monitoring for human and environmental responses to chemicals. Methods of evaluation of toxic hazards will be considered for pharmaceuticals, industrial chemicals, food contaminants, and environmental chemicals. Students acquire an appreciation for the role of uncertainty and quality of data in hazard assessment through experiential involvement in a formal risk analysis of a hypothetical toxic incident. *Lecture, 4 hours.*
Credit: 4 semester hours.

4413 Analytical and Quantitative Toxicology

Prerequisites: CHE 2240 *Co-requisites:* TOX 4414 and TOX 4405 This course introduces students to principles of analysis for drugs and environmental contaminants as well as methods used in toxicological research. Topics will include sample preparation, analyte extraction, and detection. Techniques and instrumentation covered will include spectrophotometry, chromatography (TLC, GC, HPLC), mass spectrometry, immunoassay methods (EMIT, ELISA), and molecular biology. Lectures will emphasize theoretical and practical aspects of analysis and instrumentation. *Credit: 3 semester hours.*

4414 Analytical and Quantitative Toxicology Laboratory

Prerequisites: CHE 1210-1220 or equivalent, CHE 2230-2240 or equivalent, *Co-requisites:* TOX 4413 Hands-on laboratory experiments with quantitative and qualitative analytical techniques and instruments in the areas of drug metabolism and forensic, environmental, pharmaceutical, and molecular toxicology. *Laboratory, 6 semester hours.*
Credit: 2 semester hours. Lab fee: \$120.

5301 Toxicology and Drugs of Abuse
Prerequisite(s): All required courses in the first four years. Students are instructed in the principles of toxicology with an emphasis placed on clinical toxicology and the management of the drug overdose victim and the adverse effects caused by drugs of abuse. *Lecture, 2 hours. Credit: 2 semester hours.*

Pharmacy and Administrative Sciences Course Offerings (PAS)

Somnath Pal, Ph.D., Chair
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Chair

Objectives

The department seeks to provide students with the opportunity to acquire the knowledge, develop the attitudes and master the skills required for contemporary pharmacy practice.

Lectures, utilization of the multi-media programs in the Resource Center and individual and group conferences with faculty give the student a knowledge of the principles and processes in the manufacture, stabilization, preservation, storage and dispensing of both official and non-official dosage forms.

Classroom and conference discussions give the student an opportunity to develop creative talents in compounding and formulating dosage forms.

2201 Introduction to Pharmacoeconomics
Prerequisites: MTH 1250, MTH 1260, PAS 2301. This course is designed to provide the student with introductory concepts of pharmacoeconomics as it relates to patient care. *Lecture, 2 hours. Credit: 3 semester hours.*

2301 Social Aspects of Pharmacy Practice
Prerequisites: PHR 1101. Includes discussion of pharmacy as a profession, professionalization of the student, and the image of pharmacist held by patients and health care providers. *Lecture, 1 hour. Credit: 1 semester hour.*

3101 Pharmaceutics I for the Pharm.D.
Prerequisites: MTH 1250, MTH 1260, CHE 1110, 1111, 1112, CHE 1120, 1121, 1122, CHE 1130, 1131, 1132, BIO 1210, BIO 1220. *Corequisite:* PAS 3102. The specific physical, chemical and biological principles that govern homogeneous liquid dosage forms; methods and procedures essential to solving the mathematical problems typically associated with pharmacy practice. *Lecture, 4 hours. Credit: 4 semester hours.*

3102 Pharmacy Practice Laboratory I
Corequisite: PAS 3101. This laboratory course enables the student to correlate the principles and theory with experimental observation of homogeneous systems. *Laboratory, 3 hours. Credit: 1 semester hour. Fee: \$120.*

3103 Pharmaceutics II for the Pharm. D
Prerequisites: PAS 3101, PAS 3102. *Corequisite:* PAS 3104. The specific physical, chemical and biological principles that govern heterogeneous fluid, semi-solid and solid systems; degradation of pharmaceutical products; factors affecting drug stability. *Lecture, 4 hours. Credit: 4 semester hours.*

3104 Pharmacy Practice Laboratory II
Prerequisites: PAS 3101, PAS 3102. *Corequisite:* PAS 3103. This laboratory enables the student to correlate the principles and theory with experimental observation of heterogeneous systems. *Laboratory, 3 hours. Credit: 1 semester hour. Fee: \$120.*

3151 Calculations in Pharmacy Practice
Corequisites: PAS 3101, 3102. This course deals with pharmaceutical calculations involved in preparation, dispensing, and delivery of pharmaceutical products. *Lecture, 2 hours. Credit: 2 semester hours.*

3152 Introduction to Product Development
Corequisites: PAS 3101, 3102. This course deals with considerations involved in product development and formulation of a dosage form. *Lecture, 2 hours. Credit: 2 semester hours.*

3301 Pharmacy and the U.S. Health Care Environment
Prerequisite: PAS 2201. The U.S. health care delivery system and the social, political, and economic factors that influence the flow of pharmaceutical products and services within the system. *Lecture, 3 hours. Credit: 3 semester hours.*

3352 Communication Techniques in Pharmacy
This course is designed to provide the student with opportunity of employing promotional techniques as a method of communication between the community pharmacy practitioner and the public. The aspects of pharmaceutical promotion, and copy writing will be discussed as well as the methods employed by the pharmaceutical manufacturer to familiarize medical and pharmaceutical practitioners with the knowledge of pharmaceutical products that are marketed. *Lecture, 2 hours. Credit: 2 semester hours.*

3353 Contemporary Legal Issues Affecting the Pharmaceutical Industry
Prerequisites: PAS 2301. The purpose of this course is to introduce students to contemporary legal issues that affect pharmacy practice and their role as employees, potential employers and consumers in the health care industry. Students will learn about changes in employment law and business law and be introduced to risk management issues, privacy issues and alternative dispute resolution techniques. *Lecture, 2 hours. Credit: 2 semester hours.*

3354 Contemporary Issues in Hospital Pharmacy
Corequisites: PAS 2301. Hospital pharmacy history, theory, techniques, and administrative procedures. It acquaints the student with the pharmacy as a hospital department and the pharmacist's role within the institution and the health care system. *Lecture, 2 hours. Credit: 2 semester hours.*

3355 Environment of Pharmaceutical Marketing
Prerequisites: PAS 2201, 2301. This course is designed to provide the student with a thorough overview of marketing in the pharmaceutical industry. *Lecture, 2 hours. Credit: 2 semester hours.*

3356 Quality Issues in Managed Care Pharmacy
Prerequisite: PAS 2301. *Corequisite:* PAS 3301. This course is designed to provide the student with an overview of the issues related to the medication use process within the managed care setting. *Lecture, 2 hours. Credit: 2 semester hours.*

3357 Computer and Pharmacy Data Management
Prerequisites: CPP1101 and PHR 1101. This course is designed to introduce students to up-to-date computer terminology, hardware and application programs for pharmacy information systems. The major focuses are on the understanding of technical aspects of pharmacy computer system and the development of pharmacy database management skills. Didactic components are offered in the instructional computer classroom. Hands-on experience with database software packages such as Microsoft ACCESS® is provided through student use of open computer labs. *Lecture, 2 hours. Credit: 2 semester hours.*

3951 Research Administrative Science I
An elective course designed to familiarize the student with basics associated with the design, implementation, and data analysis essential to conducting research in Industrial Pharmacy, Cosmetic Science, and the administrative areas of pharmacy practice. The student is required to conduct an actual research project under the guidance of the faculty member in an area of mutual interest to both student and faculty member. *Credit: 3 semester hours.*

3952 Research in Administrative Sciences II
An elective designed to familiarize the student with basics associated with the design, implementation, and data analysis essential to conducting research in industrial pharmacy, cosmetic sciences, and the administrative areas of pharmacy practice. The student is required to conduct an actual research project under the guidance of the faculty member in an area of mutual interest to both student and faculty member. *Credit: 3 semester hours.*

4303 Extemporaneous Compounding
Prerequisites: PAS 3101, PAS 3103, PAS 3102, PAS 3104. *Corequisite:* PHR 4201. Training and expertise to ascertain the quality, safety, and technique required to compound and dispense the prescription in community and institutional pharmacy practice. *Lecture, 3 hours. Credit: 3 semester hours.*

4305 Pharmacy Law
Prerequisites: PHI 1110, PHI 2300, PHI 2240. Provides students with an understanding of the legal basis of pharmaceutical care. Specific attention is given to rules of professional conduct as defined by the New York State Board of Pharmacy. *Lecture, 2 hours. Credit: 2 semester hours.*

4401 Biopharmaceutics and Basic Pharmacokinetics

Prerequisites: PAS 3103; PAS 3104.

Biopharmaceutics is the study of the factors influencing bioavailability of a drug in man and animals and the use of this information to optimize therapeutic activity of drug products in clinical application. This course includes the study of (a) factors which may influence availability and disposition as well as pharmacological and toxicological response of drugs, and (b) pharmacokinetic mathematical models to assess drug absorption, distribution, metabolism and elimination process, including continuous and intermittent drug infusion. *Credit: 3 semester hours.*

5202 Pharmacy Management and Advanced Pharmacoeconomics

Prerequisites: PAS 2201, PAS 3301, PAS 4305. This course provides the student with a broad information base essential to successful pharmacy management and efficient resource allocation in various professional practice settings. *Lecture, 4 hours. Credit: 4 semester hours.*

6201 Self-Care Pharmaceuticals

Prerequisites: PHR 4105. This course is designed to focus on the therapeutic aspects of self-care pharmaceuticals. The course will center on the pharmacist's role in making professional decisions concerning these medications and in providing advice to patients in selecting drugs for self-medication. *Lecture, 3 hours. Credit: 3 semester hours.*

6202 Experimental Designs in Clinical Trials

Prerequisites: PHR 4102, PHR 5108, PHR 5110, PHR 5111. Clinical trial has a prominent role in the research and approval of new drugs. To conduct clinical trials, future pharmacists need an understanding of the various experimental designs used in research studies. This course will introduce the student to the terminology used to classify the design of a research study and to explore in detail observational research as represented by the case report, case-control study, and cohort study. It will describe the study design characteristics that distinguish experimental research, as in clinical trial, from other types of drug research. Methods for enhancing validity through the use of appropriate controls, randomization, and blinding will be discussed. *Lecture, 3 hours. Credit: 3 semester hours.*

6203 Communication Skills for the Pharmacist

Prerequisites: All required fifth-year courses. This course exposes the student to interpersonal communication as it applies to pharmacy practice from a patient-focused approach. It highlights the importance of the pharmacist's responsibility in communicating with patients and other healthcare providers. Specific attention is devoted to strategies that improve the pharmacist's decision-making and communication skills. The intertwining of the didactic and actual pharmacist interactions will prepare the student for the real-world environment. The knowledge and skills gleaned from this course will assist the student with the planning and execution of communication activities routinely encountered by the practicing pharmacist. *Lecture, 3 hours. Credit: 3 semester hours.*

6204 Advanced Pharmacy Calculations

Prerequisites: Completion of all fifth-year courses. This course deals with pharmaceutical calculations involved in contemporary pharmacy practice. Special emphasis is placed on improving the skills of pharmacy students and stimulating their thinking in the application of mathematical concepts in contemporary pharmacy practice, e.g., extemporaneous compounding, preparing intravenous admixtures, electrolyte balance, radiopharmaceuticals, calculation of dosage regimen during multiple dosing and calculation of dosage regimen. *Lecture, 3 hours. Credit: 3 semester hours.*

6205 Personnel Management in Pharmacy Practice

Prerequisites: PAS 5202 and all fifth-year courses. As pharmacy students move from school to practice, they may find they are supervising technicians and their peers. This course will help them prepare for their supervisory role by addressing the pharmacy supervisor's foremost concern: planning, controlling, directing and staffing—the four key components of supervision. With case studies and examples, ways to motivate employees, how to bring about change, workplace rules and expectations, reward, discipline, complaints and grievances, this course will enable students to be better enhancers of the environment for optimal patient care. *Lecture, 3 hours. Credit: 3 semester hours.*

6206 Fundamentals of Regulatory Affairs

Prerequisites: All fifth-year courses. This course will provide students with a fundamental understanding of the general principles of regulatory affairs in the pharmaceutical and biotechnology industry. It will introduce the basic concepts of drug discovery and the drug approval process, foundations of GXP, ethical considerations of scientific inquiry and the regulatory scheme involved. *Lecture, 3 hours. Credit: 3 semester hours.*

6207 Contemporary Parenteral Practice

Prerequisites: PAS 4303, PHR 5201, and all courses taught through fifth year. This course is designed to enhance understanding of the techniques encountered in the practice involving parenteral dosage forms. The state of the art in special equipment, components, and devices necessary to prepare these delivery systems will be studied in detail. This course will provide additional exposure to mathematics as well as the influence of physical and chemical properties of drugs and how they relate to excipient, delivery devices and preparation mechanism. This course will cover topics such as intravenous admixtures (IV Ads), total parenteral nutrition (TPN), irrigation, ophthalmic and other parenteral products, their content, dosing, stability and compatibility. *Lecture, 3 hours. Credit: 3 semester hours.*

6208 Health Care Data Analysis and Interpretation

Prerequisites: CPP 4402 and all required fifth-year courses. The course is designed for those students who seek to enhance their skills in clinical and health care services research and to extend their knowledge in drug literature assessment. The purpose of this course is to provide an adequate working knowledge of SAS and to offer a fundamental base of technical skills for statistical data evaluations. SAS is the most accepted statistical tool in health care research field and has been accepted as an FDA standard for accepting and archiving data sets. The student will learn the strategy and skills in how to prepare, organize, analyze data and interpret the results. Hands-on experience with real data from a wide variety of applications will be offered to enable students to master the skills needed for effective data management, data analysis and report presentation. Other statistical packages such as SPSS and BMDP will also be discussed. *Lecture, 3 hours. Credit: 3 semester hours.*

6209 Drug Delivery and Targeting

Prerequisites: PAS 4304 and all required fifth-year courses. This course is designed to review controlled release technology primarily as it relates to medicinal applications. Students will learn about the design, fabrication, methods of controlling release, and theoretical considerations of various classes of drug delivery systems (matrixes, membrane controlled reservoir systems, and bioerodible systems) as well as the application of these systems for various routes of delivery (parenteral, oral, transdermal, nasal, pulmonary, etc.). *Lecture, 3 hours. Credit: 3 semester hours.*

6210 Special Drug Delivery Systems

Prerequisites: Completion of all fifth-year courses. This course will cover modified release drug delivery systems administered by transdermal, intranasal, ocular and parenteral routes. The major emphasis will be placed on the mechanisms of drug absorption through various routes, pharmacokinetic considerations, physico-chemical characteristics of drugs, and principles involved in the design, development and manufacture of these delivery systems. Specific formulation excipients employed in these delivery systems and physicochemical characteristics desirable from these aids will be discussed. In addition, evaluation of these drug delivery systems, especially in vitro and in vivo evaluation, and their correlation will also be covered. *Lecture, 3 hours. Credit: 3 semester hours.*

6211 Contemporary Product Development

Prerequisites: PAS 4303, PAS 4304, and all required courses through the fifth year. This course deals with the processes involved in development and formulation of pharmaceutical products from their inception to the marketing of dosage forms. Special emphasis is placed on the technology involved in their preparation, bioavailability considerations, and in vitro:in vivo correlation. *Lecture, 3 hours. Credit: 3 semester hours.*

6212 Delivery of Biotechnology-Derived Drugs

Prerequisites: Completion of all required fifth-year courses. This course will cover delivery systems for biotechnology-derived drugs and techniques used to evaluate these delivery systems. The major emphasis will be placed on important aspects utilized in the design and development of delivery systems for biotechnology-derived drug substances, such as peptides and proteins. Novel approaches to deliver gene therapy will also be discussed. In addition, studies such as in vitro drug release studies, cell culture studies used to determine drug absorption, and in vivo pharmacokinetic studies for the evaluation of biotechnology-derived products will be covered.
Lecture, 3 hours. Credit: 3 semester hours.

Elective Courses

Professional elective courses are made available by several departments of the College of Pharmacy and Allied Health Professions.

Non-professional electives may be selected from the courses offered by other departments of the University, with the approval of the appropriate Dean.

Those contemplating medical, dental, law or graduate study after graduation are advised to consult the appropriate school bulletin, since specific courses may be required for admission. Elective credits may be utilized to satisfy these requirements.

Courses selected as electives must be approved in advance by the Dean of the College of Pharmacy and Allied Health Professions.

Robert A. Mangione, *Dean and Clinical Professor of Clinical Pharmacy Practice*, B.S. Phm., M.S., P.D., Ed.D., St. John's University

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Nicole DeCapua, *Assistant to the Dean*, B.S.,
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April M. Merenda, *Assistant to the
Dean/External Affairs*, B.S.

Programs of Study

The College of Professional Studies, the largest college of the University, fulfills the mission and goals of St. John's by offering specialized professional programs on both campuses, as well as distance learning programs. Students may choose either a four-year [baccalaureate] degree, a two-year [associate] degree, or a concentrated certificate course of study. The College also offers an associate degree in liberal arts, a baccalaureate degree in liberal studies and combined undergraduate/ graduate programs.

Objectives

The mission of the College of Professional Studies is to offer students an education that prepares individuals to make significant contributions to society, to the local community and to their chosen professions. The mission is accomplished by providing an education which is value-oriented and consistent with the historical relationship of St. John's University to the Catholic community. An enriched intellectual and academic environment is provided where the value and dignity of the human person is understood and respected.

The specific objectives of the College of Professional Studies include:

- To provide a variety of degree programs, including associate and baccalaureate degrees and certificate programs. With these options, students can enter programs appropriate to their personal and professional goals and abilities and have available to them wide choices that allow both flexibility and advancement in their education.
- To promote excellence in education through a faculty especially committed to a high quality of teaching, to the development of innovative programs, and to research and professional activities which enhance their contribution in the classroom.
- To provide effective support services to enhance the achievement levels of students in degree programs so that they can be successful in their career goals and in their further education.
- To emphasize academic advisement aimed at helping students to select programs of study in line with their personal and professional goals and abilities.
- To provide students with numerous internship opportunities and with the possibility of significant contacts with professionals in the various fields.
- To make it possible for students to enter University life and to have access to all the University's facilities as well as an education provided by a high-caliber faculty.
- To provide all these programs and services within the context of an environment that is especially supportive of a wide diversity of students.

Student Support

College of Professional Studies students receive an extensive array of support services. The faculty emphasize the pursuit of teaching excellence and are available to meet with students in order to further class discussions, provide individual instruction and create a caring student-faculty relationship.

Faculty and Deans advise all students in the planning of their academic programs, paying special attention to student needs and career development. Tutoring is also available.

Numerous internships with prestigious firms and institutions in the metropolitan area provide the professional field experience which supplements classroom instruction and can lead to future employment. Co-curricular and extra-curricular clubs provide not only a social environment, but one that is closely linked to the academic, making learning a lively, involving activity. For example, The Mock Trial Team has won national acclaim in recent competitions.

Professional societies, career nights and extensive alumni networking all bridge the gap between college life and future careers. As an integral part of the College of Professional Studies, the instructional Television and Radio Center, computer editing and video labs and WSJU, the University radio station, all provide a professional environment for students to hone their skills and enhance their college degree.

Degrees, Majors and Minors Available

Q—Courses offered at Queens campus

SI—Courses offered at Staten Island campus

DL—Programs available through Distance Learning (online courses)

Courses offered (day, evening and weekend unless otherwise specified)

Bachelor of Science

Majors Available:

Administrative Studies (Q, SI, DL)

Advertising Communication, Account
Management Track (Q)

Advertising Communication, Creative Track (Q)
Advertising Communication, Media Planning
and Buying Track (Q)

Communications (Day session only) (Q, SI)

Computer Science (Day and Evening) (Q)

Computer Science, (Business Option)

(Day and Evening) (Q)

Computer Science (Computer Security Systems
Option) (Day and Evening) (Q)

Computer Science (Corporate Security Option)
(Day and Evening) (Q)

Computer Science (Cyber Forensics Option)
(Day and Evening) (Q)

Computer Science (Mathematics Option)
(Day and Evening) (Q)

Computer Science (Media Graphics Option)
(Day and Evening) (Q)

Computer Science (Telecommunications and
Networking Option) (Day and Evening) (Q)

Computer Security Systems (Day and Evening)
(Q)

Computer Security Systems (Business Option)
(Day and Evening) (Q)

Computer Security Systems (Corporate Security
Option) (Day and Evening) (Q)

Computer Security Systems (Criminal Justice
Option) (Day and Evening) (Q)

Computer Security Systems (Criminalistics
Option) (Day and Evening) (Q)

Computer Security Systems (Cyber Forensics
Option) (Day and Evening) (Q)

Computer Security Systems (Mathematics
Option) (Day and Evening) (Q)

Computer Security Systems
(Telecommunications and Networking
Option) (Day and Evening) (Q)

Criminal Justice (Q, SI, DL)

Criminal Justice (Forensic Psychology Option)
(Q)

Funeral Service Administration (Q, SI)*

Health Services Administration (Q)

Hospitality Management (Q, SI)

Human Services (Day session only) (Q)

Information Technology, (Business Option)
(Day and Evening) (Q)

Information Technology (Computer Security
Systems Option) (Day and Evening) (Q)

Information Technology (Corporate Security
Option) (Day and Evening) (Q)

Information Technology (Cyber Forensics
Option) (Day and Evening) (Q)

Information Technology
(Graphic Design Option) (Day and Evening) (Q)

Information Technology (Telecommunications
and Networking Option) (Day and Evening)
(Q)

Journalism, Print Concentration
(Day session only) (Q, SI)

Journalism, Broadcast Concentration
(Day session only) (Q, SI)

Legal Studies (Day and Evening) (Q, SI)

Public Relations (Day) (Q)

Safety and Corporate Security (Q, SI)

Sport Management (Q, SI)

Telecommunications and Networking
(Day and Evening) (Q)

Telecommunications and Networking (Business
Option) (Day and Evening) (Q)

Telecommunications and Networking (Computer
Security Systems Option) (Day and Evening)
(Q)

Telecommunications and Networking (Corporate
Security Option) (Day and Evening) (Q)

Telecommunications and Networking (Cyber
Forensics Option) (Day and Evening) (Q)

Telecommunications and Networking
(Mathematics Option) (Day and Evening) (Q)

Telecommunications and Networking (Media
Graphics Option) (Day and Evening) (Q)

Telecommunications and Networking
(Multimedia Option) (Day and Evening) (Q)

Television and Film Studies (Day and Evening)
(Q, SI)

Minors Available:

(Students may also choose minor areas offered
through other undergraduate units.)

Business (Q, SI)

Business Law (Q, SI)

Communication Arts (Q, SI)

Computer Science (Q)

Computer Security Systems (Q)

Correctional Counseling (Q)

Court Administration (Q, SI)

Criminal Justice (Q, SI)

Criminalistics (Q)

Cyber Forensics (Q)

Data Processing (Q)

Film Studies (Q, SI)

Fundamentals of Advertising and Sales
Promotion (Q, SI)

Health Service, Administration (Q)

Hotel Management (Q, SI)

Human Service Administration (Q)

International Studies (Q, SI)

Information Technology (Q)

Journalism (Q, SI) (Day session only)

Legal Studies (Q, SI)

Mathematics (CUS, CSS, TEL majors)
(Day session only) (Q)

Media Management and Finance (Q, SI)

Media Graphics (Q, SI)

Multicultural and Ethnic Studies (Q, SI)

Office Software Systems (Q)

Public Relations (Q, SI)

Restaurant Management (Q, SI)

Safety and Corporate Security (Q, SI)

Sport Management (Q, SI)

Telecommunications and Networking (Q, SI)

Television Studies (Q, SI)

Tourism Management (Q)

Women's Studies (Q, SI)

**Some of the minors may require completion of
additional credits beyond the minimum necessary for
the degree. For additional information, please check
the respective degree listing for total elective credits
and the minor area listings.*

Bachelor of Arts

(Q, SI)

Majors Available:

Liberal Studies (Q, DL)

Associate in Arts

Liberal Arts (Q, SI), (DL)

Associate in Science

Business (Q, SI, DL)

Business, Accounting Option (Q-day and
evening) (SI Day only)

Computer Science (Day and Evening) (Q)

Computer Security Systems (Day and Evening) (Q)

Criminal Justice (Q, SI, DL)

Information Technology (Day and Evening) (Q)

Legal Studies (Q, SI)

Telecommunications and Networking
(Day and Evening) (Q, SI)

Television and Film Studies (Q, SI)

Certificate Programs

Certificate programs are offered to meet the
needs of mature students who are interested in
advancing their knowledge and enhancing
their abilities in new areas to meet their
professional goals and interests. Such programs
are for three groups of individuals, namely:
holders of bachelor's degrees who are
interested in developing competencies in an
additional or complementary field of learning;
individuals with no prior collegiate experience
who wish to explore a particular field of study
and who are unable to pursue a degree
program at the present time; individuals who
are presently enrolled in a degree program in
an unrelated field who wish to broaden their
educational experiences but who do not desire
to pursue an additional major field of study.
Students must complete certificate program
courses with a minimum cumulative index of
2.0. The following programs are available:

Business Administration—requires the
successful completion of 21 credits including
ACC 1007, 1013; BLW 1001; ECO 1001,
1002; MGT 1000 and three credits chosen
from BLW 1005; CUS 1102; MGT 1001, 1003
and MKT 1001. Individuals who do not intend
to pursue an undergraduate degree in business
may substitute an additional business elective
from those courses listed above. (Q, SI)

Computer Science—requires the successful
completion of 18 credits including CUS 1114,
1122 or 1123; 1124, 1144, 1151; three
additional credits in Computer Science. (Q)

Computer Security Systems—requires the
successful completion of 18 credits including
CSS 1001, 1002, 1011, 1012 and six credits
from CSS 1021 or higher.

Criminal Justice—requires the successful
completion of CRJ 2000, 2001 and 12 credits
chosen from CRJ 2002, 2004, 3000, 3003,
3100, 3101, 3105, 3106, 3107, 3116, 4000.
(Q, SI)

Cyber Forensics—requires the successful
completion of 18 credits including CSS 1001,
CFR 1001 or 1002, 1005, CRJ 2006, 3117,
3118.

Data Processing—requires the successful
completion of 18 credits including CUS 1114,
1123, 1124, 1131; six credits from CUS 1141,
1142, 1144, 1145, 1154, 1155, 1165, 1166,
1167. (Q)

Health Services Administration—requires the
successful completion of the following 18
credits including HSA 1100, 1101, 1002, 1005,
1011, 1012. Substitutions may be made where
appropriate to student's objectives. (Q)

Information Technology—requires the successful completion of 18 credits including CUS 1102, 1103, 1105, 1114, and six credits selected from CUS 1104, 1124, 1145, 1154, 1155, 1165; 1166, 1167, 1171, 1172. (Q)

International Criminal Justice—requires the successful completion of 18 credits including 12 credits required from CRJ 2000, 3108, 4106, 5005; six credits from the following courses: CRJ 2001, 3106, 3107, 5202. (Q, SI)

Legal Studies—requires the successful completion of 21 credits including LES 1001, 1002, 1015; CUS 1107; CRJ 3112 and any six credits from the Legal Speciality courses. Students must have successfully completed 60 undergraduate credits to be accepted to the LES Certificate Program. Approved by the American Bar Association. (Q, SI)

Office Software Systems—requires the successful completion of 18 credits including CUS 1102, 1103, 1104, 1105; TEL 1001, 1017. (Q, SI)

Safety and Corporate Security—requires the successful completion of 18 credits including SEC 1001, 1002; and 12 additional credits from: SEC 1003, 1004, 1005, 1006, 1007, 1010, 1011, 1014, 1015, 1016, 1017. (Q,SI)

Sport Management—(*open only to individuals who have completed a bachelor's degree in an unrelated area*) requires the successful completion of 36 credits including a minimum 18 credits chosen from SPM 1001, 1003, 1004, 1009, 1010, 1012, 1014, 1015, 1016, 1018 and completion of an 18-credit internship program. (Q)

Telecommunications and Networking—requires the successful completion of 18 credits including TEL 1001, 1005, three credits from the TEL 1010 series, three credits from the TEL 1020 series, three credits from the TEL 1030 series and three additional credits in telecommunications. (Q)

Admissions

Prospective students seeking admission to a certificate program must meet the regular entrance requirements for the College of Professional Studies. Admission of new students is dependent upon all past educational experiences and other significant activities. For admission to the certificate program in Legal Studies, applicants must have completed a minimum of 60 college credits. For admissions to the certificate in Sport Management, individuals must have completed a bachelor's degree in an unrelated field.

Students who are currently matriculated for a degree must be in good academic standing to qualify for admission into a certificate program.

Matriculated students may not pursue a certificate program in their major field of study. For further information, please contact the College of Professional Studies Office.

Transfer Credit

A maximum of six credits attained prior to enrollment in a certificate program may be used in fulfillment of the requirements for the certificate. All courses completed in a certificate program may be used toward the partial fulfillment of requirements for a bachelor's or associate's degree, where applicable.

Awarding of Certificates

Following the same schedule of degree conferrals, certificates are awarded in September, January and May to candidates who have successfully completed all course requirements with a minimum grade point index of 2.0.

Combined Degree Programs

B.S./M.A. in Communications/ Government and Politics

B.S./M.A. in Communications/ Sociology

B.S./M.A. in Criminal Justice/Government and Politics

B.S./M.A. in Criminal Justice/ Sociology

B.S./M.A. in Health Services Administration/Government and Politics

B.S./M.A. in Health Services Administration/Sociology

B.S./M.A. in Journalism/ Government and Politics

B.S./M.A. in Journalism/Sociology

B.S./M.A. in Legal Studies/ Government and Politics

B.S./M.A. in Legal Studies/Sociology

These programs permit qualified students to earn both a bachelor's and a master's degree in an integrated program within a shortened time frame. Instead of the usual five-and-a-half to six years required to obtain the two degrees, it is possible to earn them in just five years.

Each program is designed to enable students to complete the University and departmental requirements of 126 credits for the bachelor's in four years. By completing 126 credits in the first four years, including at least 12 graduate credits, the student is assured of completing the bachelor's degree if for any reason he/she decides not to continue for the fifth year. The student can opt to earn the master's degree according to a normal schedule, either after the fourth year or at a later period.

Applicants to any of these programs must have completed the sophomore year, with at least a 3.0 cumulative index and a 3.5 index in at least 12 major credits. Incoming freshmen may apply for provisional admission to one of the bachelor's/master's programs. Transfer students may apply at the time of enrollment. For additional information, contact the appropriate program director in criminal justice, health service administration, legal studies, communication arts, or journalism.

B.S./J.D.; B.A./J.D.

This program permits qualified students to earn both a bachelor's and a law (juris doctor) degree in an integrated program within a shortened time frame of six years of full-time study.

The program is designed to enable a student pursuing any bachelor's degree offered by the College, whether as a day, evening or weekend student, to apply the 27 credits earned in the first year of law school as the final 27 credits of his or her bachelor's program. These 27 credits may only be applied to a bachelor's program in the manner specified by the University, and it is required for a student to apply to participate after successful completion of 60 academic credits.

Applicants to this program must have at least a 3.5 cumulative quality point index at the time of completing their 60 academic credits. If accepted into the program by the College of Professional Studies, the student must then take the Law School Admission Test (LSAT) and achieve an acceptable score, after which the student must make application to St. John's University School of Law and be accepted. This combined degree program is run in conjunction with St. John's University School of Law only and with no other law school. Students must meet with the designated pre-law advisor to apply.

Evening and Weekend College Programs

Queens Campus

St. John's University, recognizing the special needs and commitments of working adults, offers a wide selection of degree programs during evening and weekend hours and online for students who have only certain hours available each week to pursue their education.

Classes are arranged for working students' convenience. An evening student could schedule classes that meet once a week at 6:50 to 9:45 p.m. for a total of three credit hours for each class. Another possibility might be to schedule online courses. Weekend classes at Queens meet on Fridays at 6:15 p.m. or on Saturdays at 8:30 a.m. or 12:45 p.m. It is possible to earn 12 credits each semester by attending Weekend College and taking online courses.

The Bachelor of Arts and the Bachelor of Science degrees and the Associate in Arts and the Associate in Science degrees are offered in the evening and weekend schedules in most major areas. Please see the description under each major for the sessions in which the major is offered.

A bachelor's degree requires completion of 126–127 credits. These credits provide a broad liberal arts education and a specialized major concentration. An associate's degree requires completion of 60–62 credits. These credits are the equivalent of approximately half the requirements for a bachelor's degree, and introductory knowledge of a major area is included. Associate's degree recipients have all their credits transferred into the bachelor's sequence if they continue study in the same field or in one that is closely related.

It is also possible to take classes leading to a certificate in the evening and on weekends. Please see the section on certificate programs to note the variety offered.

Majors Available in the Evening and on Weekends

Programs available in the evening and weekends include:

Major*	Degree
Administrative Studies ⁺	B.S.
Business Administration, Accounting	A.S.
Business Administration, Non-Accounting	A.S.
Computer Science	A.S./B.S.
Computer Security Systems	A.S./B.S.
Criminal Justice ⁺	A.S./B.S.
Funeral Service Administration	B.S.
Health Services Administration	B.S.
Hospitality Management	B.S.
Information Technology	A.S./B.S.
Legal Studies	A.S./B.S.
Liberal Arts ⁺	A.A.
Liberal Studies ⁺	B.A.
Safety and Corporate Security	B.S.
Sport Management	B.S.
Telecommunications and Networking	A.S./B.S.

*For those majoring in Funeral Service Administration, the professional courses are only offered in the day session in cooperation with the American Academy McAllister Institute (AAMI) in Manhattan. Liberal arts courses may, however, be taken in the evening session.

⁺Also available through Distance Learning.

Special Assessment Program

The University understands that learning need not be confined to the classroom. A College of Professional Studies student may be awarded up to 24 academic credits for knowledge that is equivalent to that required in the degree course. Such knowledge may have come through work, in-service training programs, independent study, reading and research, travel, or other lifetime endeavors.

To qualify for special assessment academic credit, a candidate must be a mature person with a level of theoretical and practical knowledge appropriate to the program of study for the degree sought. The student must have completed a minimum of 12 semester hours of credit with a minimum GPA of 2.5 in course work offered by the University and must be a matriculated student in a degree program of College of Professional Studies. Students are required to complete one or a combination of the following methods of assessment: written examination (standardized tests), internal examination, portfolio and oral examinations. Grades for special assessment academic credit are either CRE or X. Students wishing additional information should obtain the Special Assessment packet of at the College office.

Advanced Placement/CLEP

The College of Professional Studies awards credit to those students who earn a requisite score on AP/CLEP and other credit-by-test exams, providing the exams are appropriate to the degree program.

Internship Program

Internships are available to selected students enrolled in most of the Bachelor of Science degree programs of the College of Professional Studies. The internship is a supervised off-campus experience arranged by the Division Chairperson or Program Director to provide practical experience for selected students, in particular majors, who have completed the majority of courses in the major area, including any prerequisite courses and who have a cumulative index of 2.5 or above.

Student interns receive no salary. Since so many students consider the internship experience to be a valuable part of their undergraduate preparation, competition is keen. Additional requirements specific to individual majors can be found in the internship sections of the program descriptions.

Students are strongly urged to apply, in writing, for internship consideration to the appropriate Program Director or Chair during the registration period for the semester in which they would like to intern. Students may not carry internship coursework as part of an excess credit load. Further information is available at the office of the respective Chair or Program Director. Student internships may begin in the fall, spring, or in some programs, summer. Registration for internships must be completed at these times.

Internship Registration

After approval by the program director, students must register for an internship in the Office of the Dean. Failure to do so will invalidate academic credit for the internship.

Double or Triple Majors

Students interested in completing a second or third major program of study must apply to the Academic Dean for permission to complete the second or third major. Specific requirements for each major are available in the respective Dean's Office.

Co-Curricular Organizations

Co-curricular organizations and clubs are specifically designed to enhance the students' experience and learning in a variety of fields. Clubs associated with College of Professional Studies programs include the following:

St. John's University Television Club (WRED)

The St. John's University Television Club prepares members for the competitive television/media industry. Interested students have the opportunity to learn and use state-of-the-art television equipment and to write, direct, produce, edit and/or act in video productions. Eligible members may register for academic credit while working under the guidance of the faculty moderator.

Communication Arts Film Society

The Communication Arts Film Society is a co-curricular unit of College of Professional Studies with membership open to all St. John's University students. Members write, produce and shoot their own motion pictures; run a series of weekly film screenings and engage in a variety of motion picture related activities. Academic credit may be earned by members actively participating in the organization. For further information, contact the Chair of the Division of Mass Communications, Journalism, Television and Film.

WSJU

WSJU is the student-run campus radio station. It is a co-curricular organization, offering both academic credit and practical broadcast experience to those students interested in the field of radio.

Open to all St. John's University students, WSJU is an official member of the National Association of College Broadcasters (NACB) and the Intercollegiate Broadcasting System (IBS).

Criminal Justice Association

The Criminal Justice Association is an academic and social organization whose membership is open to all St. John's University students. The main objective is to bring students into contact with the structures and procedures of the criminal justice system. The association acts as an information center concerning career opportunities and job availability.

Hospitality Management Organization

The Hospitality Management Organization is an official representative body of all students in the hospitality management program. The association aims to initiate academic and social activities to enhance the linkage between the program and the current hospitality and tourism industry. The association coordinates various events such as the annual HMT Career Fair and HMT Networking Night. It also acts as an information center concerning career opportunities, internships, scholarships and other related activities. Membership requires attendance to such events and scheduled meetings, as well as active participation in service to the academic and social communities.

Legal Society

The Legal Society is a student organization that works to enhance the relationship of the Legal Studies Program to the legal profession by various student-organized activities such as guest speakers, presentations by alumni and publications. The association assists students in preparing for a position as a paralegal in the greater New York area.

Sport Management Club

The Sport Management Club is the official representative to all undergraduate students majoring in the sport management program. The club coordinates all events activities and publications for the benefits of its members. Events proposed by the club included include the annual career night and the presence of several speakers at the meetings along the year. Through its intranet homepage, the club also provides an access to a wide range of information relevant to the students, such as internship opportunities and the latest news in the sports industry.

Honors

The College of Professional Studies Honor Society

The College's Honor Society recognizes its baccalaureate students who, by their continued academic excellence and involvement in the life of their school, church or community have demonstrated that they are honor students. Students who apply for membership must have completed a minimum of 60 credits, and 30 of these credits must have been taken in the College of Professional Studies. The applicant must have a cumulative index of 3.5 for all previous course work as well as a 3.5 at St. John's University.

Alpha Phi Sigma—Alpha Epsilon Rho Chapter—Criminal Justice Honor Society

The College of Professional Studies chapter recognizes outstanding students majoring or minoring in criminal justice who have a 3.2 overall index for all previous coursework (including transfer credits) and a 3.2 index in the criminal justice major.

Lambda Epsilon Chi—National Legal Studies Honor Society

The College of Professional Studies chapter was established to recognize academic excellence in legal studies. Students must major in legal studies (either A.S. or B.S. degree candidates) and achieve an overall grade point index of at least 3.5 after completion of two-thirds of all course requirements for their degree.

Academic Awards and Distinctions

For awards and distinctions that require using grade point average to determine awards, all college work applies.

Gold Keys, Silver Keys and Certificates of Achievement, recognize students in each major who have attained the first, second and third highest cumulative indices in the graduating class.

The Bessie and Isidor Shapiro Memorial Award, sponsored by Professor Irving Shapiro, recognizes a member of the College of Professional Studies graduating class majoring in criminal justice or legal studies who has demonstrated character, scholarship and a strong work ethic.

The Craig Collins Award, named in honor of the former Director of Criminal Justice, recognizes a criminal justice major who has attained an exemplary grade point index and has demonstrated excellence in the field of criminal justice.

The Francis Flynn Award for Excellence in Mathematics, named in honor of a former faculty member, recognizes a computer science major who has completed the greatest number of high level mathematics courses in the graduating class with the highest index.

The Franklin Camerano Award for Excellence in Healthcare, sponsored by Franklin Camerano, Director of Health Services Administration, recognizes an evening/weekend student in the health service program who has demonstrated academic excellence.

The Looseleaf Law Publications Award, is granted to students who have shown outstanding dedication and enthusiasm in attaining their criminal justice or legal studies degree.

The Marianne Noonan Award, named after a former student in the sport management program, recognizes academic performance and outstanding contributions to the program.

The Michelle Doherty Award, is given to a female student who is graduating with the highest major grade point average in the sport management program.

The National Law Enforcement Scholarship Award, recognizes graduating legal studies majors who have demonstrated academic excellence.

The Outstanding Journalism Graduate Award, recognizes a graduating journalism major who has contributed to the journalism profession both inside and outside the classroom and has achieved an exemplary grade point index.

P. Kevin Castel Award, is presented to the student most likely to succeed in the study of law.

The Panayiotis Papdopoulos Award, sponsored by Dr. Louis Gesualdi, recognizes a graduating senior who has demonstrated extraordinary humanitarian qualities.

The Vincentian Spirit Award, recognizes outstanding contributions of CPS students to their co-curricular life on campus.

The West Publishing Company Award, recognizes graduating legal studies majors who have demonstrated academic excellence.

The William Trunkes Memorial Scholarship Fund, was donated by Judge Thomas T. Trunkes, a graduate of St. John's University and its School of Law, in honor of his uncle William A. Trunkes. The scholarship is awarded to a New York City police officer or his or her child who is pursuing a degree in criminal justice with a minimum GPA of 3.0 and who preferably lives in Brooklyn.

Academic Information

Academic Advisement Program

The Academic Advisement Program of the College provides each student with personal treatment and attention as he/she proceeds through a degree program. It is concerned with the choice of a program of study, course selection, academic standing and other related scholastic matters.

To achieve the objectives of the program, the student periodically consults with an advisor to develop an understanding of his or her program and the possibilities for further study and employment.

Each student must understand that the responsibility for arranging an appropriate program and for meeting all degree requirement rests with the student. Academic advisement is offered to assist students in meeting this responsibility.

Credit Load

The College of Professional Studies limits the program of any student enrolled on the basis of such considerations as achievement in high school or in previous college courses and the amount of time available for study, especially if the student is employed.

Matriculated students in an associate's degree program who are not employed on a full-time basis may carry a maximum of 15 credits per semester.

Matriculated students in a baccalaureate degree program who are not employed on a full-time basis may carry a maximum of 18 credits per semester.

Non-matriculated students who are not employed on a full-time basis may carry a maximum of 12 credits.

Students who are enrolled in an internship may not carry an excess credit load. An excess credit load includes anything over 20 credits.

Core Requirements

All candidates for the Bachelor of Arts or Bachelor of Science degrees must take all courses in the 48-credit University Core outlined in this bulletin. Candidates for the associate's degree will take approximately 24 credits of the University Core.

Each program of study requires core courses specific to that program (in addition to the courses of the University Core). Students should inquire at their Dean's Office to determine exactly what courses are required for a specific degree program.

College of Professional Studies Core Foreign Language or Cultural Studies Requirement

The University Distributive Core Requirements includes as one of its core knowledge requirements the ability to describe cultural and linguistic perspectives in the contemporary world. Each of the undergraduate units of the university defines this requirement in a different way. In the College of Professional Studies this requirement is defined as six (6) credits in a foreign language or in cultural studies.

If the student decides to fulfill the requirement with studies in a *foreign language* the following options are allowed:

1. Two courses in one foreign language in which the student already has some background. If a student uses this option he or she must take the modern foreign language placement test offered in the language lab located in St. Augustine Hall and then follow the placement recommendations based on that test result.
2. Two courses in one foreign language in which he or she has no previous background. The university offers courses in a wide variety of languages including Arabic, Chinese, French, German, Greek (Modern and Ancient), Hindu, Italian, Japanese, Korean, Latin, Russian and Spanish.
3. Through credit earned by assessment tests offered by the College Level Examination Program (CLEP) of the College Board or by the Foreign Language Proficiency Testing Service of the NYU School of Continuing and Professional Studies.

If the student decides to fulfill this requirement with the *cultural studies* option he or she must complete ART 1000C Creativity and the Arts and a LAC (*Language and Culture*) course.

If a College of Professional Studies student transfers to another undergraduate school or college within St. John's, foreign

language credit earned by examination might not be accepted in fulfillment of the foreign language or cultural studies requirement of that school or college.

NOTE: Students who matriculate in the BS degrees in Advertising Communications, Communication Arts, Journalism, Television and Film and Public Relations as of the spring 2007 semester must compete six credits in one foreign language to fulfill this requirement.

Attendance Regulations

The College of Professional Studies expects all students to take full advantage of their educational opportunities by regular class attendance and to assume the academic risks incurred by absences.

All students are held responsible for absences incurred as a result of late registration.

All freshman and sophomores who have been absent nine hours from a three-semester-hour course or 12 hours from a four-semester-hour course, or 20 percent of total contact hours, may be denied credit for the course.

Although no formal system of class attendance is maintained for juniors and seniors who are in good academic standing, a faculty member may set forth such standards for the satisfactory conduct of the course. Such standards are then applied to all students enrolled in the course.

All students are responsible for all class work assigned including class quizzes and tests.

Individual professors may require specific attendance regulations for their classes.

Tutoring and Academic Support Services

The College of Professional Studies has a commitment to help students achieve their educational goals. Faculty office hours are available in the Dean's Office so that students may consult with their professors, should they need extra help.

Probation

As part of our commitment to personal advisement, the College of Professional Studies office monitors students whose index falls below a 2.0 (C) average. These students must report periodically to their Deans so that the office may assess their academic progress. They are required to present notebooks, marked quizzes and exams, and reports to their Deans, and may not carry a full credit load. Probation students may be restricted to as few as three credits, and may enroll in no more than 12 credits. This strategy is designed to allow the student time to adjust to college schedules and college-level course requirements.

Fresh Start Rule

An undergraduate student accepted for readmission to the College of Professional Studies after an absence of five or more years from the University may ordinarily petition to the Dean to recalculate the cumulative index of his/her previous residency. If the petition is approved, all courses taken remain on the permanent record with their original grades. Only grades of C or above are counted for credit. However, no other grades are counted for credit. If the petition is approved, the student resumes his/her academic program with no cumulative or major index, and thereafter is subject to the conditions of warning, probation and dismissal which govern all students. The student must fulfill all degree requirements in effect at the time of readmission.

Under the provisions of this rule, before graduation a student must complete a minimum of 30 credit hours which shall include advanced major field courses typically taken in the senior year. All courses ever taken on the college level are used in the calculation of the index required for graduation with honors.

This rule applies to the College of Professional Studies only. A student who is readmitted to the College under this rule and subsequently transfers to another undergraduate unit of St. John's University becomes subject to the regulations of that college. Other undergraduate units may not permit index recalculation.

Pass-Fail Option

The College of Professional Studies has instituted the Pass-Fail Option to encourage students to enroll in challenging courses without prejudice to their cumulative quality point index. This option is limited to juniors and seniors in the baccalaureate programs whose cumulative quality point index is at least 2.75 at the College of Professional Studies. It is limited to one course per semester; the total during the two years may not exceed 12 credits. It may be exercised only in connection with free electives. In no case is the quality point index affected; a "Pass", however, is credited toward the degree. Applications for the Pass-Fail Option must be made in the Office of the Dean. A student may apply for the Pass-Fail Option at any time during the semester up to and including the last date designated for withdrawal from class without academic penalty. Once this date has passed the student cannot rescind request for pass/fail option.

Make-up Examinations

The College of Professional Studies adheres to the general University policies regarding examinations as stated in the Academic Information and Regulations section of this bulletin. Tests, term papers and assignments are given at the discretion of the instructor. Credit is not given for a course unless all assignments have been satisfactorily completed. All work must be submitted no later than the last meeting of the course.

The College of Professional Studies does not give "Incomplete" grades to undergraduate students. At their discretion, faculty may issue a special grade of UW (Unofficial Withdrawal) to a student who has stopped attending and has not completed a substantial amount of the assigned work. Faculty may also issue a final grade of F to any student who, in their judgment, has not satisfactorily completed the stated course requirements in an acceptable manner.

A special grade of ABF (Absent from Final) may be given to any student who has completed all course requirements but who misses the final examination because of circumstances that are typically beyond the control of the student. The "ABF" will be calculated as an "F" in the student's GPA unless a make-up exam is approved and passed. Any student receiving the ABF must submit an explanation, together with substantiating evidence, to his/her Dean's office immediately. The Academic Dean of the college in which the student is enrolled then determines if the student is permitted to take a make-up exam. If permission is granted a make-up will be scheduled and a fee of \$40 must be paid to the Bursar prior to the scheduled make-up date. The make-up fee may be waived at the discretion of the Dean. Make-ups must be completed in the most immediate time frame that is reasonable for the circumstances of the case.

Graduation

For graduation, students enrolled in a baccalaureate program must complete a minimum of 126–127 semester hours. Students enrolled in an associate degree program are required to complete a minimum of 60–62 semester hours for all programs, with a minimum cumulative index of 2.0 and a minimum major index of 2.0. All students must complete the last 24 credits (two full-time semesters) of their degree at St. John's University.

Students who complete their graduation requirements are invited to participate in the May Commencement ceremony. An undergraduate student who is one to two courses short (maximum 9 credits) or a graduate student who is one course short (maximum 3 credits) and not subject to academic discipline can submit a written request to participate in the May 2007 ceremony. Request letters must be submitted

to the Dean's office by the determined deadline in the spring semester and are reviewed by the College Commencement Committee to determine student eligibility. Granting such requests is the sole discretion of the Dean's office.

Student Responsibility

It is the responsibility of students to make certain that their academic requirements have been satisfied at the time they make application for the associate or bachelor's degree. Any questions regarding degree requirements or course scheduling should be brought to a college administrator.

Prerequisite

A prerequisite is a course that is required before the student enrolls in a certain class. No student may take a course without the prerequisite.

Electives

The electives within specified fields of study (e.g., social science elective) are subject to restrictions. Consult the Degree Requirement headings on the previous pages or a college administrator concerning any course, to ensure that it satisfies that elective requirement.

The requirement for FREE electives will be fulfilled by any course(s) for which the student has the proper prerequisites.

Repeat Courses

College of Professional Studies students who retake courses they already have completed with a grade of D or higher, will not receive credit for the second course. The grade of the second course may not be calculated into the student's grade point index. Exception to this rule is granted to students enrolled in the Fresh Start Program.

Degree Requirements

Candidates must complete the specified minimum number of semester hours of credit for a prescribed program of study. The curricula include required core courses, courses in the major area sequence, courses in a related area and free electives. A cumulative quality point index of 2.0 for all courses taken, and a cumulative quality point index of 2.0 for all courses in the major and minor areas are required.

Normally a full-time day session student may complete his or her degree program in eight semesters of study with credit loads of 15 semester hours (five courses) in six of the eight semesters and credit loads of 18 semester hours (six courses) in two of the eight semesters. For information on accelerated and summer study and credit by examination, please consult the specific sections of this bulletin.

B.A. Liberal Studies

(Queens, Staten Island, Distance Learning)

(Day and Evening/Weekend)

The Bachelor of Arts in liberal studies is designed to provide a quality, multidisciplinary education. Its flexible approach is geared especially to the nontraditional student, typically pursuing a degree at night, while working full-time during the day. Instead of choosing the traditional single academic major area of study, the liberal studies major studies a variety of areas centered on the humanities, the social sciences, science and mathematics and a minor area, including one of the many career areas offered, such as administrative studies, business, computer science, criminal justice, health services, journalism or legal studies.

Major Area Requirements:

- I) **Humanities** 18 credits chosen from non-University core English, philosophy and theology courses
- II) **Social Sciences** 18 credits chosen from non-University core economics, history, political science, psychology and sociology courses
- III) **Science/Math** 12 credits chosen from non-University core biology, chemistry, computer science, mathematics and physics courses
- IV) **LST 1000C** 3 credits (day students only.)

B.S. Administrative Studies

(Queens, Staten Island, Distance Learning)
(126 Credit Hours)

(Day and Evening/Weekend)

The curriculum in administrative studies leading to the baccalaureate degree is designed to prepare students for administrative and managerial jobs in today's technologically oriented workplace. With a solid grounding in writing, critical thinking, office software systems and a basic understanding of the business world, ADS graduates will be trained for entry-level positions in both the private and public sectors of the economy.

Major Area Requirements

Human Relations Area

Minimum 18 credits, Maximum 21 credits
SOC 1003, SOC 1004, SOC 1031, PSY 1019
and 2–3 others chosen from the following:
LES 1020, HIS 1006, HIS 1037, ECO 1002,
PSY 1017, PSY 1025

Technology Courses

Minimum 15–Maximum 18 credits
chosen from the following:
MTH 1021, MTH (according to placement
criteria) CUS 1102, 1103, 1104, 1105,
TEL 1001, 1017, 1021; CAS: 1290, 1292,
Business: 12 credits chosen from ACC,
BLW, MGT, MKT

B.S. Advertising Communication

(Queens/Day Session only)

(127 Credit Hours)

The curriculum in advertising communication leading to the baccalaureate degree in the educational, managerial and creative phase of advertising along with the understanding of the advertising agency.

Areas of Concentration

Courses may be selected to provide a concentration in: advertising account executive, media planning and buying and creative (copywriter or art director).

Internship Program

For information on internships in advertising communication, see "Internship Program" under B.S. Communications.

Major Area Requirements

CAS 1100, 1101 1464, 1474, 12 credits from the advertising sequence courses and one course in production.

Creative track students in addition must take CAS 1500, three writing courses and six courses in CAS electives.

Account executive and media planning and buying students in addition must take SPE 1010, two writing courses and nine credits in CAS electives.

B.S. Communications

(Queens, Staten Island)

(127 Credit Hours)

(Day session only)

The curriculum in communications leading to the baccalaureate degree provides a professional dimension in the educational, managerial and creative phases of radio, television, film and print media to develop an understanding of the communications media in combination with the basic disciplines of the liberal arts and business administration. It may also serve as preparation for further academic and professional study.

Areas of Concentration

Courses may be selected to provide a concentration in: advertising and public relations, media management, business aspects of the communications industry, dramatic writing, film history, aesthetics and criticism, film and video production, media graphics, electronic journalism, radio, television and sports in the mass media.

Departmental Minors

Any baccalaureate student may select the following minors in communications: communications, film studies, fundamentals of advertising and sales promotion, journalism, media graphics, media management and finance, public relations and television studies. Students wishing to pursue a minor must complete an application available in the College of Professional Studies Office.

Internship Program

Students applying for up to nine hours of internship credit in advertising communications, communications, journalism, public relations and up to six hours in television and film must have junior or senior status with a minimum cumulative index of 2.75. CAS or JOU majors who wish to take more than nine hours of internship credit must have a minimum cumulative index of 3.0.

Partnership with the Institute of Audio Research

St. John's University's joint academic program with the Institute of Audio Research (IAR) allows students at both institutions to broaden their education through a combined program leading to a bachelor's degree in communications. The Institute of Audio Research, located on University Place in Manhattan, offers training in audio engineering through its extensive audio equipment and studios. Networking opportunities exist through its widely known faculty.

Through this partnership, currently enrolled St. John's communications majors accepted into the program, can attend the IAR program and receive 30 credits towards their bachelor's degree. Students must complete the IAR program to receive St. John's University credit. IAR graduates accepted into St. John's receive 30 credits toward a four-year degree in communications. Interested students should contact the College of Professional Studies Dean's Office for more information.

Communications Advisory Council

The council is composed of leading executives from the radio, television, motion picture, advertising and public relations industries.

The council provides continuing support to the University in curriculum, equipment, facilities, expansion of programs, adjunct faculty, recruitment campaigns and the development of the total educational program.

Communications is so fluid that a university must remain sensitive to fast-breaking programmatic and technical innovations. The College of Professional Studies is committed to the reality that education in this rapidly changing and expanding area must maintain continuous contact with practicing experts, such as the members of the Advisory Council.

Major Area Requirements

CAS 1100, 1101, 1102 or 1103; one course in 1200 series; two courses in the 1300 series; one course in the 1400 series; one course in the 1500 series; and 18 credits chosen from any CAS course offerings with the following exceptions: CAS 1700 courses may be used for free electives only; a maximum of 15 credits of CAS 1600 courses are allowed; and a total of nine credits in journalism, speech and ENG literature electives (including ENG 1063) may be used as communications electives.

Business Area Requirements

A minimum of 21 semester hours chosen from: ACC 1007, 1008 or 1013; BLW 1001; CAS 1430, 1460, 1461, 1465, 1470, 1471; ECO 1001, 1002; ENG 1006; MGT 1001; MKT 1001, 1002

Students wishing a minor in business successfully complete the following 28 credits: ACC 1007, 1013; BLW 1001 or 1005; MGT 1001, 1003; MKT 1001; (ECO 1001 and ECO 1002 and prerequisites for MGT 1003)

B.S. Computer Science

(Queens) (126 Credit Hours)

(Day and Evening/Weekend)

The curriculum in computer science leading to the baccalaureate degree provides a professional education leading to careers such as computer programmer for business and scientific applications, systems analyst, and information technology manager. It also serves as preparation for further academic and professional study in computer science and operations research

Major Area Requirements

36 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1144; 1151; an additional three credits from the 1150 series; three credits from each of the 1160, 1170 and 1180 series; nine additional credits in computer science.

B.S. Computer Science (Option Programs)

(Queens) (126 Credit Hours)

(Day and Evening/Weekend)

The curriculum in computer science leading to the baccalaureate degree may be enhanced with an option providing a second, complementary area of academic strength leading to a career in one of the areas outlined below.

B.S. Computer Science (Business Option)

Careers associated with this option include computer programmer for business applications, database administrator, business systems analyst, and information technology manager.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1131; three credits from each of the 1140, 1150, 1160, 1170 and 1180 series; nine additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in business administration: ACC 1007, (1013 or 1008), BLW 1001, MGT 1001, 1003; MKT 1001.

B.S. Computer Science (Computer Security Systems Option)

Careers associated with this option include computer system security analyst, cryptanalyst, application security consultant, and information assurance engineer.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1163; 1165; 1184; 1185; three credits from each of the 1150 and 1170 series; nine additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.

B.S. Computer Science (Cyber Forensics Option)

Careers associated with this option include computer forensics specialist, IT forensics developer, and forensic technology research engineer.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1163; 1165; 1184; 1185; three credits from each of the 1150 and 1170 series; nine additional credits in computer science.

Specialized Area Requirements

3 semester hours of courses in computer security systems: CSS 1001;
6 semester hours of courses in computer forensics: CFR 1001 or 1002; 1005;
9 semester hours of courses in criminal justice: CRJ 2006; 3117; 3118.

B.S. Computer Science (Telecommunications and Networking Option)

Careers associated with this option include telecommunications analyst, network administrator, and telecommunications programmer.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1131; 1165; 1184; three credits from each of the 1150, 1160 (except 1165) and 1170 series; nine additional credits in computer science

Specialized Area Requirements

15 semester hours of courses in telecommunications: TEL 1001; 1005; six credits from the 1010 series; three additional credits in telecommunications (except TEL 1031).

Cisco Networking Academy Program

See details under B.S. Telecommunications and Networking.

B.S. Computer Science (Mathematics Option)

Careers associated with this option include computer scientist, computer software engineer, and applications systems analyst. This option is designed to provide the student with an enhanced foundation for graduate study in computer science.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1144; 1151; an additional three credits from the 1150 series; three credits from each of the 1160 and 1170 series; three credits selected from CUS 1181, 1182, 1183; three credits selected from CUS 1186, 1187, 1188; six additional credits in computer science.

Specialized Area Requirements

30 semester hours of courses in mathematics MTH 1009; 1010; 1011; 1013; 1014; fifteen additional credits in mathematics.

B.S. Computer Science (Media Graphics Option)

Careers associated with this option include web programmer, computer-aided graphic designer, and e-commerce specialist.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1104; 1114; 1122 or 1123; 1124; 1172; three credits from each of the 1140, 1150, 1160 and 1180 series; nine additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in communication arts: CAS 1290; fifteen additional credits selected from CAS 1222, 1223, 1224, 1291, 1292, and 1295.

B.S. Computer Science (Corporate Security Option)

Careers associated with this option include corporate security programmer analyst, IT security engineer, and business intelligence analyst.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1106; 1114; 1122 or 1123; 1124; 1184; 1185; three credits from each of the 1140, 1150, 1160 and 1170 series; six additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in safety and corporate security: SEC 1001; 1002; twelve additional credits selected from SEC 1003, 1004, 1005, 1006, 1007, 1010, 1011, 1015, 1016, 1017.

Internship Program

Internships are available for qualified computer science, computer security systems, information technology, and telecommunications and networking majors enrolled in the Bachelor of Science degree program of study in the College of Professional Studies. The internship is a non-paid, supervised, off campus experience to provide practical experience in a field allied to the student's major.

The following guidelines assist the student applying for internship consideration.

Students must:

- Be in junior or senior year
- Have completed all required major area courses and the majority of major area electives
- Have a cumulative index of 2.75 or higher in all course work for the three-credit internship and 3.00 or higher in all course work for the six-credit internship. In addition, the student must have a major area index of 2.50 or higher.
- Have permission of the director to enroll in an internship

Students may not carry internship course work as part of an excess credit load. Student interns receive academic credit upon successful completion of the non-paid internship experience.

Computer Science, Computer Security Systems, Information Technology, Telecommunications and Networking Advisory Board

The advisory council consists of active professionals who provide expert advice in the matters of academic course revision, curriculum development, and program expansion.

B.S. Computer Security Systems

(Queens) (126 Credit Hours)

(Day and Evening/Weekend)

The curriculum in computer security systems leading to the baccalaureate degree provides a professional education leading to careers such as cryptanalyst, computer crime investigator, network security administrator, computer forensic specialist, and cyber law enforcement specialist. It also serves as preparation for further academic and professional study in computer security, computer science, and telecommunications and networking.

Major Area Requirements

18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.

18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.

3 additional credits in computer science or computer security systems.

B.S. Computer Security Systems (Options Program)

(Queens) (126 Credit Hours)

(Day and Evening/Weekend)

The curriculum in computer security systems leading to the baccalaureate degree may be enhanced with an option providing a second, complementary area of academic strength leading to a career in one of the areas outlined below.

B.S. Computer Security Systems (Business Option)

Careers associated with this option include: information security manager, information assurance consultant, and business security systems analyst.

Major Area Requirements

18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.

18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.

3 additional credits in computer science or computer security systems.

Specialized Area Requirements

18 semester hours of courses in business administration: ACC 1007, (1013, or 1008); BLW 1001; MGT 1001, 1003; MKT 1001.

B.S. Computer Security Systems (Cyber Forensics Option)

Careers associated with this option include computer forensics specialist, forensic technology consultant, technology risk management professional, and internet forensics specialist.

Major Area Requirements

- 18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.
- 18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.
- 3 additional credits in computer science or computer security systems.

Specialized Area Requirements

- 15 semester hours of courses in computer forensics and criminal justice: CFR 1002; 1005; CRJ 2006; 3117; 3118.

B.S. Computer Security Systems (Telecommunications and Networking Option)

Careers associated with this option include network security analyst, web security administrator, and telecommunications security programmer.

Major Area Requirements

- 18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.
- 18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems
- 3 additional credits in computer science or computer security systems.

Specialized Area Requirements

- 18 semester hours of courses in telecommunications: TEL 1001; 1005; six credits from the 1010 series; six additional credits in telecommunications (except TEL 1023, 1024, and 1031).

Cisco Networking Academy Program

See details under B.S. Telecommunications and Networking.

B.S. Computer Security Systems (Mathematics Option)

Careers associated with this option include: computer security systems analyst, computer security software engineer, and cryptanalyst. This option is designed to provide the student with an enhanced foundation for graduate study in computer science.

Major Area Requirements

- 21 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185; and either 1186, 1187, or 1188.
- 18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.
- 3 additional credits in computer science or computer security systems.

Specialized Area Requirements

- 27 semester hours of courses in mathematics: MTH 1009; 1010; 1011; 1013; 1014; twelve additional credits in mathematics.

B.S. Computer Security Systems (Criminalistics Option)

Careers associated with this option include network forensics investigator, electronic evidence collection specialist, and computer crime investigator.

Major Area Requirements

- 18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.
- 18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.
- 3 additional credits in computer science or computer security systems.

Specialized Area Requirements

- 18 semester hours of courses in criminal justice: CRJ 1075; 2000; 3103; 5006; 5203; three credits selected from CRJ 3101, 3106, 4102.

B.S. Computer Security Systems (Criminal Justice Option)

Careers associated with this option include: cyber law enforcement specialist, computer crime investigator, and computer and network security specialist.

Major Area Requirements

- 18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.
- 18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.
- 3 additional credits in computer science or computer security systems.

Specialized Area Requirements

- 18 semester hours of courses in criminal justice: CRJ 2000; 2001; twelve additional credits selected from CRJ 2002, 2004, 3003, 3100, 3101, 3102, 3105, 3106, 3107, 3113, 3114, and 3116.

B.S. Computer Security Systems (Corporate Security Option)

Careers associated with this option include computer security analyst, corporate security administrator, and industrial security engineer.

Major Area Requirements

- 18 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1184; 1185.
- 18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems
- 3 additional credits in computer science or computer security systems.

Specialized Area Requirements

- 18 semester hours of courses in safety and corporate security: SEC 1001; 1002; twelve additional credits selected from SEC 1003, 1004, 1005, 1006, 1007, 1010, 1011, 1015, 1016, 1017; CUS 1106.

Internship Program

See details under B.S. Computer Science.

Computer Science, Computer Security Systems, Information Technology, Telecommunications and Networking Advisory Board

See details under B.S. Computer Science.

B.S. Criminal Justice

(Queens, Staten Island, Distance Learning)
(126 Credit Hours)

(Day and Evening/Weekend)

The Bachelor of Science curriculum in criminal justice offers the student a unique and rewarding opportunity to prepare for a challenging career in the field of justice administration. It may also serve as preparation for further academic and professional study.

Internship Program

Internships are available for criminal justice majors enrolled in the Bachelor of Science degree in the College of Professional Studies. The internship is a supervised off-campus experience arranged by the Director of Criminal Justice to provide practical experience in various fields of criminal justice. The following guidelines assist the student applying for internship consideration:

- a) Must be in junior or senior year
- b) Completed majority of courses in Criminal Justice major
- c) Cumulative index of 2.5 or higher in all course work
- d) Students may not carry internship coursework as part of an excess credit load.
- e) Student interns receive no salary; receive course credit
- f) Permission of the Director for Internship consideration

For those students enrolled in a criminal justice minor, an internship for three credits may be selected with the above provisions.

Police/Correction Academy Credits

Students who have successfully completed training courses at the New York City Police, Correction, or at the Nassau County or New York State Police academies may be entitled to receive credit toward the B.S. degree.

Co-Op Education Program

The objective of this program is to provide experience in professional positions with select criminal justice agencies in the metropolitan area. Program open to criminal justice majors to contribute to the enrichment of educational programs by providing educationally related experience for the students.

Criminal Justice Advisory Council

The Criminal Justice Advisory Council is comprised of distinguished leaders in the police service, law, corrections and public safety administration who provide counsel to the criminal justice program in the areas of curriculum development and research needs. The advisory council plays an important role in ensuring that the program's curriculum is meeting the needs of the criminal justice system in the 21st century.

Criminal Justice Association

The Criminal Justice Association is an academic and social organization whose membership is open to all St. John's University students. The main objective is to bring students into contact with the structures and procedures of the criminal justice system. The association acts as an information center concerning career opportunities and job availability. It sponsors guest lectures, seminars, on-site visits and opportunities to meet and speak with practitioners in the field.

Major Area Requirements

Criminal Justice: CRJ 2000, 2001, 2002, 2003, 2004; 15 credits from 3000 level courses; six credits from either 4000 or 5000 level courses

Business Area Requirements

A minimum of 12 semester hours chosen from accounting, economics, business law, English 1006, management and marketing.

Free electives may be chosen from the courses offered through any of the undergraduate units of St. John's University.

A minor in business requires the successful completion of the following 18 credits: ACC 1007, 1013; BLW 1001; MGT 1001, 1003; MKT 1001. (ECO 1001 and 1002 are prerequisites for MGT 1003.)

Students may also choose to fulfill the requirements for any of the minors offered through the University.

Qualified students admitted into the B.S./M.A. Program in criminal justice/sociology are required to complete all core and major area requirements in criminal justice plus SOC 3240 (Sociological Theory) and at least 12 graduate credits in the first four years of the program. For additional requirements for the master's degree, students should consult the graduate bulletin.

B.S. Criminal Justice
(Forensic Psychology Option)

(Queens, Staten Island) (126 Credit Hours)

(Day and Evening)

The Bachelor of Science in criminal justice with a specialization in forensic psychology offers students training in the application of psychological principles within the legal system.

Major Area Requirements

Criminal Justice 2000, 2001, 2002, 2003, 2004; 12 credits from 3005, 3006, 3102, 3105, 3108, 4102 and nine credits from any CRJ course.

B.S. Funeral Service
Administration

(Queens, Staten Island) (126 Credit Hours)

(Day and Evening/Weekend)*

(If a student has taken the McAllister program and comes to the College of Professional Studies to complete the B.S., the program may be completed in evening or weekend sessions.)

The Bachelor of Science curriculum in funeral service administration meets the following objectives:

- A. To provide the basic preparation for licensure as a Funeral Director through the traditional program offered by the American Academy McAllister Institute of Funeral Service located in Manhattan
- B. To enhance and broaden this basic preparation by combining it with appropriate professional courses and a related area specialization within the context of a liberal arts framework

Academic Requirements for
Funeral Service Administration
Majors

- 1. Students enrolled as funeral service administration majors must complete successfully 84 of the 126 credits with at least 30 of these credits being from St. John's University before being permitted to register for course work at the American Academy McAllister Institute of Funeral Service.
- 2. Each student must achieve at least a 2.0 index (C average) after completing at least two semesters in coursework before being permitted to register at the American Academy McAllister Institute of Funeral Service.

Major Area Requirements

*Courses are offered during day hours at the American Academy McAllister Institute of Funeral Service. Forty-two credits are awarded for successful completion of the Advanced Standing Degree.

The credits accepted toward the baccalaureate degree are as follows:

Anatomy	7
Chemistry	4
Embalming	6
Microbiology	4
Pathology	4
Professional Principles Practice	5
Funeral Arrangements and Procedures	
Funeral Customs and Ceremonies	
Funeral Home Management	
Funeral Merchandise	
History of Funeral Service	
Public Health	1
Restorative Art	4
Social Science	7
Psychology and Sociology in Funeral Service	

Related Area of Specialization:

The related area of specialization consists of 18 credits chosen from business or social sciences.

A minor in business requires the successful completion of the following 18 credits: ACC 1007, 1013; BLW 1001; MGT 1001, 1003; MKT 1001, (ECO 1001 and 1002 are prerequisites for MGT 1003) 18

B.S. Health Services Administration

(Queens)

(126 Credit Hours)

(Day and Evening)

The curriculum in health service administration leading to the Bachelor of Science degree provides a professional dimension in management necessary for students to assume entry-level management positions in health organizations. It may also serve as preparation for further academic and professional study. Completion of the major area requirements including either HSA 1037, Introduction to Gerontology, or HSA 1040, Long Term Care Administration, also constitutes a New York State Licensing Board approved alternative to a 100-hour prelicensure course required of applicants for the State Nursing Home Administrator Licensing Examination.

Credit for Registered Nurses

Recognizing that men and women who are registered nurses in New York State have usually completed at least two years of intensive studies in the related health field of nursing, College of Professional Studies grants a maximum of 60 semester hours of credit to registered nurses who matriculate in the Bachelor of Science degree program with a major in health service administration, and have completed an Associate's Degree in nursing. While this degree program does not lead to advancement in the field of nursing, it may provide excellent preparation for advancement in a related health field.

Major Area Requirements

30 credits: HSA 1100, 1101, 1002, 1003, 1004, 1005, 1011, 1012; and 1020; and nine credits chosen from any other HSA courses.

Related Area Requirements

Related area courses may be chosen from either business or computer science offerings. CUS 1102 and ACC 1007 must be included. Please refer to minor listings for information on specific requirements for minors.

Qualified students admitted into the five-year B.S./M.A. Program in health service administration/sociology are required to complete all core and major area requirements

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in health service administration, to take SOC 1001 in fulfillment of the social science requirement, to take SOC 3240 (Sociological Theory), and to take at least 12 graduate credits in the first four years of the program. For additional requirements for the master's degree, students should consult the graduate bulletin.

B.S. Hospitality Management

(Queens, Staten Island) (126 Credit Hours)

(Day and Evening)

The curriculum in hospitality management leading to the baccalaureate degree provides the graduate with preparation for the various aspects of the hotel, restaurant, travel and tourism industries management. The program consists of required courses, free elective courses and a major area of concentration designed to provide the graduate with a liberal arts and business management background requisite for success in hospitality management as well as for further academic and professional study.

Major Area Requirements (30 Credits)

HMT 1000, 1003, 1005, 1007, 1008, 1009, 1025, 1030, 1050, 1075 and six elective credits chosen from HMT offerings

B.S. Human Services

(Queens) (126 Credit Hours)

(Day session only)

The human services major stresses the social and behavioral science concepts, interpersonal communication skills and ethical values of the service professions. This prepares the student for a variety of entry-level employment responsibilities. With this background students are able to perform therapeutic, preventive and supportive functions with diverse client populations.

These classroom and placement experiences ensure that human services graduates can, with confidence, seek employment in service areas such as mental health and personnel work, in settings as varied as nursing homes and college campuses and in job functions as diverse as referral and adult education.

Transfer students holding an associate degree are required to complete only two externships.

Major Area Requirements

HSC 1020,1030, 1049, 1060, 1065, 1071, 1072, 1073, 1074, 1075, 1078.

Choose three externships: HSC 1081; HSC 1082; HSC 1083; HSC 1084; HSC 1085; HSC 1088

Social science corequisite:

PSY 1001 (req.). PSY 1007 and three credits from; PSY 1017; SOC 1001, SOC 1026

Concentration (9 Credits)

A student must choose a concentration from the following areas: pastoral ministry, psychology, social work, report writing or any of the programs offered through College of Professional Studies. Information concerning the requirements for each concentration area is available from the Director of the Human Services Program.

B.S. Information Technology (Option Programs)

Recognizing that computer systems and software technology are now integral to organizations of any size, the baccalaureate degree program in information technology is designed to provide the student with broad knowledge and skills in existing information technologies, in new and emerging technologies, and in the administrative practices used in the effective management of these technologies. The curriculum in information technology is offered in conjunction with a series of options, each providing a second, complementary area of academic strength leading to a career in one of the areas outlined below.

B.S. Information Technology (Business Option)

Careers associated with this option include technical services manager, user support specialist, entrepreneurial software designer, and technical marketing representative.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1102; 1103; 1104; 1105; 1114; 1124; three credits selected from CUS 1145, 1153, 1154, 1155; three credits selected from CUS 1162, 1165, 1166, 1167; three credits selected from CUS 1171, 1172, 1184; and nine additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in business administration: ACC 1007, (1013 or 1008), BLW 1001, MGT 1001, 1003; MKT 1001.

B.S. Information Technology (Computer Security Systems Option)

Careers associated with this option include network security manager, information assurance manager, and security and privacy services consultant.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1102; 1103; 1104; 1105; 1114; 1124; 1163; 1165; 1184; 1185; and six additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; and six additional credits in computer security systems.

B.S. Information Technology (Cyber Forensics Option)

Careers associated with this option include IT risk management professional, computer forensic manager, IT forensic technology consultant.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1102; 1103; 1104; 1105; 1114; 1124; 1163; 1165; 1184; 1185; and six additional credits in computer science.

Specialized Area Requirements

- 3 semester hours of courses in computer security systems: CSS 1001;
- 6 semester hours in computer forensics: CFR (1001 or 1002) and 1005;
- 9 semester hours in criminal justice: CRJ 2006; 3117; 3118.

B.S. Information Technology (Telecommunications and Networking Option)

Careers associated with this option include telecommunications manager, network planning analyst, network administrator, LAN support specialist.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1102; 1103; 1104; 1105; 1114; 1124; three credits selected from CUS 1145, 1153, 1154, 1155; three credits selected from CUS 1162, 1165, 1166, 1167; three credits selected from CUS 1171, 1172, 1184; and nine additional credits in computer science.

Specialized Area Requirements

18 semester hours of courses in telecommunications: TEL 1001; 1005; and six additional credits from the 1010 series; three credits selected from 1020 series; three credits selected from 1030 series.

Cisco Networking Academy Program

See details under B.S. Telecommunications and Networking.

B.S. Information Technology (Graphic Design Option)

Careers in computer-aided graphic design, web design, and web-enabled transactions are associated with this option.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1102; 1103; 1104; 1105; 1114; 1124; three credits selected from CUS 1145, 1153, 1154, 1155; three credits selected from CUS 1162, 1165, 1166, 1167; three credits selected from CUS 1171, 1172, 1184; and nine additional credits in computer science.

Specialized Area

21 semester hours in art: ART 1105; 1115; 2125; 2145; 3115; and six credits selected from ART 1135, 2115 and 2135.

B.S. Information Technology (Corporate Security Option)

Careers associated with this option include IT security and risk manager, corporate security supervisor, and industrial security administrator.

Major Area Requirements

36 semester hours of courses in computer science: CUS 1102; 1103; 1104; 1105; 1106; 1114; 1124; 1184; 1185; three credits selected from 1145, 1154, 1155, 1165, 1166, 1167; and six additional credits in computer science.

Specialized Area Requirements

18 semester hours in safety and corporate security: SEC 1001; 1002; and twelve credits selected from SEC 1003, 1004, 1005, 1006, 1007, 1010, 1011, 1015, 1016, 1017.

Internship Program

For information on internships in computer science, computer security systems, information technology and telecommunications see "Internship Program" under the Computer Science section.

B.S. Journalism

(Queens, Staten Island) (127 Credit Hours)

(Day session only)

The University's baccalaureate degree program in journalism prepares students for careers as news professionals at newspapers, magazines, wire services, broadcast stations and networks, cable channels, digital news services and other new media. The program is distinctive in its emphasis on journalism skills, which are taught by current and former professionals. The nonprofessional courses in the major focus on the values of ethical journalists and the role of the print and electronic press in American democracy.

Internship Program

The journalism program offers many internship opportunities for students in their junior or senior year. Journalism students have interned at major New York City newspapers, radio and television stations and networks, magazines, cable channels and digital news operations. The New York media industry, the most important and varied in the United States, is an unequaled laboratory for St. John's journalism students. The approval of the Director of Journalism is required for students to take any of the internship courses.

Areas of Concentration

Students may elect a concentration in either print media (newspapers, magazines, wire services, digital news services and other new media) or in broadcast media (television and radio stations and networks, cable and satellite news channels and other electronic media).

Major Area Requirements

16 credits in JOU 2000, 1001, 1002, 1005, 1011 and CAS 1100; six credits in a concentration (JOU 1003 and CAS 1290 in print or JOU 1021 and 1024 in broadcast); six credits in writing courses chosen among JOU 1007, 1008, 1012, 1013, 1016, 1017, 1018, 1019, 1020, 1022, 1026, 1028, 1094, 1095, 1096, 1097, 1098, 1099 and CAS 1320, 1360, 1361, 1362, 1630, 1631 and 1632, and JOU 1021 and 1024 if not used to fulfill the concentration requirement; and nine additional credits drawn from the JOU course offerings, including those above not used to fulfill other requirements, and CAS 1474.

B.S. Legal Studies

ABA Approved

(Queens, Staten Island) (126 Credit Hours)
(Day, and Evening/Weekend)

The legal studies program is designed to prepare the student to work as a true paraprofessional in the legal profession. The program is approved by the American Bar Association and is a member program of the American Association for Paralegal Education. The program receives valuable guidance and assistance from its Advisory Committee which is made up of members of the bar, the bench and practicing paralegals who are very closely in touch with today's demands placed upon legal assistants. Paralegals may not provide legal services directly to the public except as permitted by law.

Candidates are required to complete 126 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0. The curriculum includes required and elective courses in the liberal arts and sciences, business administration electives and a number of professionally related courses.

Internship Program

Students pursuing either the Bachelor of Science or the Associate in Science degree in legal studies may choose to partake in one or both of the internship opportunities (LES 1005 and 1006). For baccalaureate students, the internship may be taken in either the junior or senior year. Students in the associate degree program may take an internship as an elective only after successful completion of 45 academic credits.

Legal Society

The Legal Society is a student organization that works to enhance the relationship of the Legal Studies Program to the legal profession by various student-organized activities. The society assists students in preparing for a position as a paralegal in the greater New York area.

Major Area Requirements

LES 1001, CRJ 3112, LES 1002, 1015:

CUS 1107 and 15 semester hours chosen from legal specialty courses: LES 1003, 1004, 1007, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1019, 1020, 1021, 1023, 1024, 1025, 1030 and six semester hours chosen from law-related courses: LES 1005, 1006, 1008; CRJ 3113, 3114, and 3116.

B.S. Public Relations

(Queens) (127 Credit Hours)

The career oriented Bachelor of Science degree in public relations is interdisciplinary in nature and integrates critical areas of study in communications and business in the realm of public relations and corporate communications. The program prepares students for careers in public relations, corporate communications, marketing communications, new media writing, and public communications. Students gain the knowledge and skills necessary to succeed in today's information-rich, technologically-driven workplace. The program offers placement for students in internships throughout New York in public relations firms, advertising & marketing companies, non-profit organizations, and the corporate communications departments of Fortune 500 companies. Students complete the degree program with a professional portfolio of work.

Internship Program

The public relations program offers placement for select students to intern throughout New York in public relations firms, advertising & marketing companies, and the corporate communications departments of non-profit organizations and Fortune 500 companies. The approval of the Director of Public Relations is required for students to take internship courses.

Major Area Requirements

31 credits in CAS: 1100 and 1101 and Public Relations CAS 1440/62, 1341, 1442, 1443, 1411, 1471, 1465, 1474, 1565. Six credits in production including CAS 1290 and three credits chosen from CAS 1209, 1232, 1292, 1294. One major elective consisting of three credits chosen from CAS 1360, JOU 2000, MTH 1021, or CAS 1605 (internship). Nine credits of professional electives chosen from SPM 1003, SPM 1018, CRJ 2000, LES 1001, HSA 1100, HSC 1020, HMT 1000.

B.S. Safety and Corporate Security

(Queens, Staten Island) (126 Credit Hours)

(Day and Evening)

The curriculum in safety and corporate security leading to the baccalaureate degree is designed to provide a professional dimension to the managerial and technological phases of security. It may also serve as preparation for further academic and professional study.

Major Area Requirements

Security Administration: SEC:1001 and 15 credits chosen from the SEC course offerings and CUS 1106 plus an additional 18 credits chosen from CRJ 2000, 2001, 2002, 2003, 2004, 3101, 3113, 3112, 3114

A minor in business requires the successful completion of the following 18 credits: ACC 1007, 1013; BLW 1001; MGT 1001, 1003; MKT 1001. Students wishing to pursue a minor must complete an application which is available in the College of Professional Studies Office.

B.S. Sport Management

(Queens, Staten Island) (127 Credit Hours)

(Day and Evening)

The curriculum in sport management leading to the baccalaureate degree prepares students for challenging careers in administration of athletics at the community, secondary school, collegiate or professional level. The program of study consists of required courses, free electives and a major area of concentration designed to provide the student with a liberal background in the technical, administrative and legal aspects of sport management. It may also serve as preparation for further academic and professional study.

In addition to the globalization of sports, St. John's University is pleased to offer an International Sport Management study abroad program, based in Rome and at the University of Leicester, England. This unique international study abroad program has allowed sport management majors and minors to pursue specialized course work in Europe.

Internship Program

An internship program is available for qualified upper-level students allowing students to apply class lessons in practical situations. Intern experience may include work in public and media relations, advertising, promotion, ticket sales, finance, purchasing and the general administration of sports. Internships have been available with more than 140 organizations and schools.

As one of the fastest-growing industries in the world, sports requires the expertise of well-educated business leaders to handle a variety of diversified responsibilities.

The program in sport management leads to a Bachelor of Science degree and is offered by the College of Professional Studies to students seeking an entry-level management position in college and professional sports or the leisure and recreation business. The sport management program is the first baccalaureate degree program in the U.S. to provide internships with numerous organizations in the many areas of sports management and benefits from the advice of professionals.

Sport Management Advisory Council

To insure the continued effectiveness of the sports management program, St. John's University benefits from an advisory council, which is composed of recognized specialists in the various areas of athletics management.

The council members provide advice concerning the developing sport management field and contribute experience and guidance to the program.

Major Area Requirements

A minimum of 37 semester hours of which 27 must be in the following SPM course work, 1001, 1003, 1004, 1006, 1010, 1014, 1018, 1022, 1032 and nine credits from internships.

A minor in business requires the successful completion of the following 18 credits: ACC 1007, 1013 or ACC 1008; BLW 1001; MGT 1001, 1003; MKT 1001. (ECO 1001 and 1002 are prerequisites for MGT 1003.)

B.S. Telecommunications and Networking

(Queens) (126 Credit Hours)

(Day and Evening)

The curriculum in telecommunications and networking leading to the baccalaureate degree provides a professional education leading to careers such as telecommunications analyst, systems analyst, network manager and first-line supervisor. It may also serve as preparation for further academic and professional study in telecommunications, computer science, and decision sciences.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1114; 1122 or 1123; 1124; 1144; three additional credits in computer science selected from CUS 1151, 1154, 1155.

24 semester hours of courses in telecommunications: TEL 1001; 1005; six credits from the 1010 series; six credits from the 1020 series; three credits from the 1030 series; three additional credits in telecommunications.

CISCO Networking Academy Program

The CISCO Networking Academy Program has been integrated into the curriculum to enhance and enrich the program. It is a comprehensive e-learning program of four courses that provides students with the networking knowledge and skills important to careers in Information technology. While earning college credit for each of these courses, this program helps prepare students who so desire to take the CCNA (CISCO Certified Network Associate) professional certification exam. One or more of these

courses can be a valuable addition to a student's program of study, even if they never intend to take the CCNA exam. The program delivers Web-based content, online assessment, student performance tracing, hands-on labs, instructor training and support, and preparation for the Industry-standard CCNA certification.

Courses included In the Cisco Networking

Academy Program at St. John's University are:

TEL 1011- Networking and Fundamentals
TEL 1015 - Routers and Router Concepts
TEL 1025 - Design Practice and LAN Design
TEL 1035 - WAN Technologies and WAN Design

B.S. Telecommunications and Networking (Option Programs)

(Queens) (126 Credit Hours)

The curriculum in telecommunications and networking leading to the baccalaureate degree may be enhanced with an option providing a second, complementary area of academic strength leading to a career in one of the areas outlined below.

B.S. Telecommunications and Networking (Business Option)

Careers associated with this option include telecommunications systems analyst, network deployment engineer, telecommunications manager.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1114; 1123; 1124; 1144; three additional credits in computer science selected from CUS 1151, 1154, 1155.

24 semester hours of courses in telecommunications: TEL 1001; 1005; six credits from the 1010 series; six credits from the 1020 series; three credits from the 1030 series; three additional credits in telecommunications.

Specialized Area Requirements

18 semester hours of courses in business administration: ACC 1007, (1013 or 1008); BLW 1001; MGT 1001; 1003; MKT 1001.

B.S. Telecommunications and Networking (Computer Security Systems Option)

Careers associated with this option include Internet security engineer, web security administrator and network security analyst.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1185.

24 semester hours in telecommunications: TEL 1001; 1005; 1031; six credits from the 1010 series; three credits from the 1020 series (except TEL 1023, 1024); three credits from the 1030 series; three additional credits in telecommunications (except TEL 1023 and 1024).

Specialized Area Requirements

18 semester hours of courses in computer security systems: CSS 1001; 1002; 1011; 1012; six additional credits in computer security systems.

B.S. Telecommunications and Networking (Cyber Forensics Option)

Careers associated with this option include network forensic engineer, forensic technology consultant, and internet forensics specialist.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1114; 1124; 1163; 1165; 1185.

24 semester hours in telecommunications: TEL 1001, 1005, 1031; six credits from the 1010 series; three credits from the 1020 series; three credits from the 1030 series; three additional credits in telecommunications.

Specialized Area Requirements

3 semester hours of courses in computer security systems: CSS 1001;

6 semester hours from computer forensics: CFR 1001 or 1002 and 1005; and

9 semester hours from criminal justice: CRJ 2006; 3117; 3118.

B.S. Telecommunications and Networking (Mathematics Option)

Careers associated with this option include telecommunications research scientist, network software engineer, web database administrator, and internet engineer.

This option is designed to provide the student with an enhanced foundation for graduate study in computer science and telecommunications.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1114; 1123; 1124; 1144; three additional credits in computer science selected from CUS 1186, 1187, 1188.

24 semester hours in telecommunications: TEL 1001; 1005; six credits from the 1010 series; six credits from the 1020 series; three credits from the 1030 series; three additional credits in telecommunications.

Specialized Area Requirements

30 semester hours of courses in mathematics: MTH 1009; 1010; 1011; 1013; 1014; fifteen additional credits in mathematics.

B.S. Telecommunications and Networking (Multimedia Option)

Careers associated with this option involve the creative application of computer and network technology in video, television, and film.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1104; 1114; 1123; 1124; three additional credits in computer science.

24 semester hours of courses in telecommunications: TEL 1001; 1005; six credits from the 1010 series; six credits from the 1020 series; three credits from the 1030 series; three additional credits in telecommunications.

Specialized Area Requirements

18 semester hours of courses in communication arts: CAS 1101; 1209 or 1210; 1215; 1290; 1296; 1411.

B.S. Telecommunications and Networking (Media Graphics Option)

Careers associated with this option include web designer/developer, web graphic production artist, and e-commerce specialist.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1104; 1114; 1123; 1124; 1172.

24 semester hours of courses in telecommunications: TEL 1001, 1005; six credits from the 1010 series; six credits from the 1020 series; three credits from the 1030 series; three additional credits in telecommunications.

Specialized Area Requirements

18 semester hours of courses in communications arts: CAS 1290; fifteen additional credits selected from CAS 1222; 1223, 1224, 1291, 1292, 1295.

B.S. Telecommunications and Networking (Corporate Security Option)

Careers associated with this option include web security analyst, network security architect, and internet security specialist.

Major Area Requirements

15 semester hours of courses in computer science: CUS 1106; 1114; 1123; 1124; and three additional credits in computer science.

24 semester hours in telecommunications TEL 1001, 1005; 1023; 1031; six credits from the 1010 series; three additional credits from the 1030 series; three additional credits in telecommunications

Specialized Area Requirements

18 semester hours in safety and corporate security SEC 1001; 1002; twelve credits selected from SEC 1003, 1004, 1005, 1006, 1007, 1010, 1011, 1015, 1016, 1017.

Internship Program

See details under B.S. Computer Science.

Computer Science, Computer Security Systems, Information Technology, Telecommunications and Networking Advisory Board

See details under B.S. Computer Science.

B.S. Television and Film Studies (Video Option)

(Queens, Staten Island) (126 Credit Hours)

(Day and Evening)

The baccalaureate in television and film (video option) provides intensive work within the video or television area. The course of study covers hands-on and theoretical work in both studio and field production, and in editing. This background prepares the student for the Senior Project and for internships. Students can participate in WRED-TV, the co-curricular TV Club which produces *Eye of the Storm*, a bi-weekly cable program. The upper level and studio courses are offered only on the Queens campus.

Internship credits limited to six credits: 1602, 1606

Students completing this program have a major in television and film but with a strong concentration in the television or video area.

B.S. Television and Film Studies (Film Studies Option)

(Queens, Staten Island) (126 Credit Hours)

(Day and Evening)

The baccalaureate in television and film (film studies option) provides intensive study in the theory, history, planning, scripting and producing of film, and filmmaking. This background prepares the students for the Senior Project and for internships. Students can participate in the Film Society, the co-curricular film club that produces short student film projects. Upper level and studio courses are offered only on the Queens campus.

Internship credits limited to six credits: 1606, 1607

Students completing this program have a major in television and film but with a strong concentration in the film studies area.

Associate Degree Programs

Associate degree programs are offered that lead to the degree of Associate in Arts (A.A.) with a concentration in liberal arts and the degree of Associate in Science (A.S.) with concentrations available in a variety of business and career-oriented areas. Normally, a full-time day session student may complete his or her degree program in four semesters of study, with credit loads of 15 semester hours (five courses) in each semester. (In the pre-accounting option, total credits for each of the final two semesters equal 16.) For information on accelerated and summer study and credit by examination, please consult the specific sections of this bulletin. Credits from the associate's degree may be applied to a bachelor's degree.

Associate in Arts Degree

A.A. Liberal Arts

(Queens, Distance Learning)

(60 Credit Hours)

(Day and Evening/Weekend)

Candidates for the degree of Associate in Arts with a concentration in liberal arts are required to complete a minimum of 60 semester hours of credit in a prescribed program of study with a minimum cumulative quality point index of 2.0. See Dean's Office for requirements.

Associate in Science Degree

A.S. Business (Accounting Option)

(Queens, Staten Island, Distance Learning)

(62 Credit Hours)

(Day only—Staten Island)

(Day and Evening—Queens)

Candidates are required to complete 62 semester hours of a prescribed program of study with a minimum cumulative quality point index of 2.00 for all courses and for all courses in the major area. The curriculum includes required and elective courses in the liberal arts and sciences, accounting and business administration.

Major Area Requirements

ACC 1007, 1008, 1009, 1010; BLW 1001, 1005; ECO 1001, 1002, 1015

Business electives—three credits chosen from: ECO 1003, ECO 1011, MGT 1001, 1003, MKT 1001

A.S. Business (Non-Accounting)

(Queens, Staten Island) (61 Credit Hours)

(Day and Evening/Weekend)

Candidates are required to complete 61 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for all courses in the major area. The curriculum includes required and elective courses in the liberal arts and sciences, managerial accounting and business administration.

Major Area Requirements

ACC 1007, 1008; BLW 1001; ECO 1001, 1002; MGT 1000, 1001

Business Electives—six credits chosen from: (ECO 1003 or ECO 1011), ECO 1015, MGT 1003, MKT 1001

A.S. Computer Science

(Queens, Distance Learning)

(60 Credit Hours)

(Day and Evening sessions)

Candidates are required to complete 60 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for all courses in the major area. The curriculum includes required courses in the liberal arts and sciences, computer science and elective courses.

Major Area Requirements

CUS 1113, 1114, 1122 or 1123, 1131; and three additional credits in computer science.

A.S. Computer Security Systems

(Queens) (60 Credit Hours)

(Day and Evening sessions)

Candidates are required to complete 60 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for all courses in the major area. The curriculum includes required courses in the liberal arts and sciences, computer science, computer security systems and elective courses.

Major Area Requirements

CUS 1113, 1124, 1163, CSS 1001, 1002, 1011

A.S. Criminal Justice

(Queens, Staten Island, Distance Learning)

(60 Credit Hours)

(Day and Evening/Weekend)

Candidates are required to complete 60 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for the major area. Graduates of the New York City Police Department may be awarded credit for field training.

Major Area Requirements

CRJ 2000; 2001; 2002; 2003; 2004 and three credits chosen from the additional criminal justice offerings.

A.S. Information Technology

(Queens)

(60 Credit Hours)

(Day and Evening Sessions)

Candidates are required to complete 60 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for all courses in the major area. The curriculum includes required courses in the liberal arts and sciences, computer science and elective courses.

Major Area Requirements

CUS 1102; 1103; 1113; 1114; and six additional credits chosen from CUS 1104, 1105, 1124, 1145

A.S. Legal Studies

ABA Approved

(Queens, Staten Island) (60 Credit Hours)

(Day and Evening/Weekend)

Candidates are required to complete 60 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for the major area. The curriculum includes required courses in the liberal arts and sciences and the major area and elective courses. Paralegals may not provide legal services to the public except as permitted by law.

Major Area Requirements

LES 1001, 1002, 1015; CUS 1107; 9 semester hours chosen from legal specialty courses: LES 1003, 1004, 1007, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1019, 1020, 1021, 1024, 1025, 1030 or CRJ 3112.

A.S. Telecommunications and Networking

(Queens) (60 Credit Hours)

(Day and Evening)

Candidates are required to complete 60 semester hours of credit of a prescribed program of study with a minimum cumulative quality point index of 2.0 for all courses and for all courses in the major area. The curriculum includes required courses in the liberal arts and sciences, computer science, telecommunications and elective courses.

Major Area Requirements

CUS 1113; 1114; 1122 or 1123

TEL 1001, 1005, and three additional credits in telecommunications.

A.S. Television and Film Studies

(Queens, Staten Island) (60 Credit Hours)

(Day and Evening)

Candidates are required to complete 60 semester hours of credit of prescribed program or study with a minimum cumulative quality point index of 2.0 for all courses and for all courses in the major area. The curriculum includes required and elective courses in liberal arts and sciences and communication arts courses.

Major Area Requirements: Communications (21)

CAS 1101

nine semester hours taken from production courses: CAS 1201, 1210, 1211, 1212, 1213, 1214, 1215, 1220, 1221, 1223, 1224.

nine semester hours taken from writing, industry practices and history: CAS 1310, 1320, 1321, 1410, 1411, 1420, 1421, 1510, 1511, 1520, 1521, 1522, 1523, 1524, 1525, 1526.

Minor Areas of Study

The following guidelines for minors have been approved by the College of Professional Studies Faculty Council:

- Minors are available only to students enrolled in baccalaureate programs.
- Students may choose from any of the undergraduate units of the University any available minor program that is clearly differentiated from their major area of concentration.
- New freshmen may declare a minor after the completion of two semesters of college. Transfer students may declare a minor after the completion of one semester at St. John's University.
- Students must have the written permission of the Dean.
- Only one three-credit course may be used for both a major and minor provided that

the minor sequence has at least 18 credits. For minors with fewer than 18 credits, no overlap is possible.

- The Pass-Fail option is not available in the fulfillment of minor requirements.
- The successful completion of a minor (with a minimum index of 2.0) is noted on the student's transcript.

Business

18 credit hours including ACC 1007, 1013 or ACC 1008; BLW 1001 or 1005; MGT 1001, 1003; MKT 1001

Business Law

15 credits including; BLW 1001, 1005 and 9 credits in electives from BLW 1015, 1020, 1030, REM 1003, 1013. 3 credits in electives can be chosen from CRJ 3112, SEC 1002, CAS 1471, JOU 1005, HSA 1011, HSA 1038, SPM 1010, HMT 1007, CUS 1175, TEL 1021. NOTE: THERE IS NO OVERLAP BETWEEN MAJOR AND MINOR.

Communication Arts

18 credit hours selected from the offerings in communication arts, including CAS 1101

Computer Science

18 credit hours including CUS 1114; 1122 or 1123; 1124; 1144 and 1151; three credits selected from CUS 1153 or higher numbered courses

Computer Security Systems

18 credit hours including CSS 1001, 1002, 1011, 1012, and six credits from CSS 1021 or higher.

Correctional Counseling

18 credits chosen from CRJ 2000, 2001, 2004, 3105, 3120, 3121, 5003, 5201; PSY 1003, 1005, 1007, 1008

Court Administration

18 credits including CRJ 2003 and 15 credits chosen from CRJ 2000, 3112, 3114, 3116, 3120, 5002, 5200; CUS 1101; LES 1004; MGT 1001

Criminalistics

18 credits including CRJ 1075, 2000, 3103, 5066, 5203, and three credits chosen from CRJ 3101, 3106, 4102

Criminal Justice

18 credit hours including CRJ 2000 and 2001 and 12 credits chosen from CRJ 2002, 2004, 3003, 3100, 3101, 3102, 3105, 3106, 3107, 3113, 3114, 3116

Cyber Forensics

18 credit hours: CSS 1001, CFR 1001 or 1002, 1005, CRJ 2006, 3117, 3118

Data Processing

18 credit hours including CUS 1114; 1122 or 1123; 1124; 1131; six credits selected from CUS 1141, 1144, 1145, 1154, 1155, 1165, 1166, 1167

Film Studies

18 credit hours including CAS 1420 plus five additional courses from the following: CAS 1215, 1220, 1221, 1222, 1223, 1224, 1320, 1321, 1322, 1420, 1421, 1520, 1521, 1522, 1523, 1524, 1525, 1526; ENG 1058; ART 1810,1820; MUS 1240

Fundamentals of Advertising and Sales Promotion

18 credits including MKT 3305, (TCB), plus five additional courses drawn from the following (at least four courses to be taken from College of Professional Studies courses): CAS 1466, 1290, 1360, 1430, 1461, 1463, 1465, 1472, 1473, 1474; ART 1105, 1115,2115; MKT 3311, 3312, 4306

Health Services

18 credits including: HSA 1002, 1003, 1004, 1020, 1100, 1101

Hotel Management

18 credits including: MGT 1001, HMT 1000, 1001, 1002, 1045 and an HMT elective (HMT 1055 recommended) any HMT course may be taken if a student has taken MGT 1001

Human Services

18 credits including HSC 1020, 1060, 1071, 1074, 1072 or 1075 and 1073 or 1078

Information Technology

18 credit hours including CUS 1102, 1103, 1105, 1114; six credits selected from CUS 1104, 1124, 1145, 1154, 1155, 1165, 1166, 1167, 1171, 1172

International Studies

18 credit hours to be satisfied through a combination of the following:

- Courses offered by St. John's University which are based outside the United States, such as Study Abroad.
- Maximum of two courses completed at St. John's University in foreign languages or foreign culture.
- Courses in history, government, political science, social science and career-oriented disciplines at St. John's University that have comparative study between countries or a country other than the United States as the primary area of study as a focus.

Journalism

18 credit hours including JOU 2000; JOU 1001 or CAS 1350; JOU 1005 or JOU 1011; and nine credits from the other JOU and CAS courses offered in the journalism major.

Legal Studies

18 credits including LES 1001, 1002 and 1015 and 9 credits selected from the following: CUS 1107, CRJ 3112, or any LES elective except LES 1005, 1006, 1008

Mathematics

For students majoring in computer science. computer security systems or telecommunications and networking. Please check the appropriate curriculum section for additional information.

Media Graphics

18 credit hours of courses in computer, video, television and motion picture graphics, animation and special effects. At least four courses must be from College of Professional Studies. The minor consists of 18 credit hours, including CAS 1290 plus 15 credit hours drawn from CAS 1280, 1281, 1282, 1283, 1292, 1293, 1294, 1295; ART 1105, 1110, 1130.

Media Management and Finance

18 credit hours including MGT 1003, plus five additional courses from the following (at least four courses to be taken from College of Professional Studies courses): CAS 1410, 1421, 1430, 1460, 1463, 1464, 1470, 1471, 1472, 1473, 1474; JOU 1009; ECO 4340, 3311

Multicultural and Ethnic Studies

Students may choose a program of courses to either support a broadly based minor in the comparative study of multiculturalism and ethnicity or in one particular area of multicultural and ethnic studies. Areas of possible specialization include Asian-American Studies, African-American Studies, Eastern and Western European Studies, East Asian Studies, Latin American, Caribbean Area Studies, Near Eastern Studies and other specializations. The minor utilizes interdepartmental support to provide a great degree of flexibility and choice to interested students. Any list of courses available depends on the particular area of study which may be selected by a student. Accordingly, interested students should arrange to meet with the Director or the Assistant Director of Multicultural and Ethnic Studies, College of Professional Studies. Completion of the minor requires 18 credit hours to be satisfied through a combination of the following:

1. A minimum of six credits in the area of literature of multicultural and ethnic groups.

2. A minimum of six credits in the area of history of multicultural and ethnic groups.
3. A minimum of six credits in the areas of government and politics and sociology of multicultural and ethnic groups.

Office Software Systems

18 credits including CUS 1102, 1103, 1104, 1105; TEL 1001, 1017

Public Relations

18 credit hours including CAS 1462, 1361, 1465, 1442, 1443 and one of the following production courses: CAS 1209, 1232, 1290

Restaurant Management

18 credit hours including MGT 1001, HMT 1000, 1003, 1004, 1035 and an HMT elective (HMT 1020 recommended)

Safety and Corporate Security

18 credits including SEC 1001, 1002 and 12 credits chosen from SEC 1003, 1004, 1005, 1006, 1007, 1010, 1011, 1015, 1016, 1017; CUS 1106.

Sport Management

18 credit hours including SPM 1001 plus 15 credits chosen from SPM 1003, 1004, 1006, 1007, 1008, 1009, 1010, 1012, 1014, 1015, 1018, 1022

Telecommunications and Networking

18 credit hours from TEL 1001, 1005, 3 credits from 1010 series, 3 credits from the 1020 series, 3 credits from 1030 series and 3 additional credits in telecommunications.

Television Studies

18 credit hours including CAS 1210, 1214 and 12 credits selected from CAS 1211, 1212, 1213, 1215, 1216, 1217, 1221, 1310, 1320, 1410, 1411, 1463, 1476, 1510, 1511

Tourism Manangement

18 credits including MGT 1001, HMT 1000, 1005, 1065, 1070 and an HMT elective (HMT 1071 recommended)

Women's Studies

18 credits including SOC 1005 and 1006, 18 credits from BIO 1015, CRJ 3003, ENG 1068, HIS 1035, PSY 1022, PSY 1023, THE 1052 and MGT 1025

Some of the minors may require completion of additional credits, beyond the minimum necessary for the degree. For additional information, please check the respective degree listing for total and elective total credit numbers and the credit totals above. Students must complete minor area courses with a minimum cumulative index of 2.0.

Divisions of the College of Professional Studies

Administration and Economics

Almerinda Forte, Ph.D., *Chair, Administration and Economics*

Computer Science, Mathematics and Science

Ronald Fechter, Ph.D., *Chair, Computer Science, Mathematics and Science*

Frank Servas, Jr., M. Phil, *Director of Student Advisement and Program Review*

Larry Stouder, M.B.A., *Director of the CISCO Academy*

Criminal Justice and Legal Studies

Angelo Pisani, Ph.D., *Chair, Criminal Justice and Legal Studies*

Keith Carrington, Ph.D., *Director of the Undergraduate Criminal Justice Program,*

Bernard Helldorfer, J.D., *Director of the Legal Studies Program*

English and Speech

Thomas M. Kitts, Ph.D., *Chair, English and Speech*

Hotel, Restaurant, Sport, Travel and Tourism

Anthony Missere, M.S., *Chair, and Director of the Sport Management Program*

Heidi Sung, *Director of the Hospitality Management Program*

Humanities

May A. Webber, Ph.D., *Chair, Humanities*

General and Liberal Studies

Jack P. Franzetti, Ph.D., *Director of the Liberal Arts Program*

Mass Communications, Journalism and Television and Film

Frank Brady, Ph.D., *Chair, Mass Communications, Journalism and Television and Film Studies*

Thomas Caputi, M.S., *Director of the TV and Film Studies Program*

Judith Cramer, Ph.D., *Director of the Communication Arts Program*

John DiMarco, M.A., *Director of the Public Relations Program*

Deborah Greh, Ed.D., *Director of the Communication Arts Program (SI)*

Thom McCarthy, M.B.A., *Director of the Advertising Communications Program*

Roger Wetherington, Ph.D., *Director of the Journalism Program*

Social Sciences

Joseph Trumino, Ph.D., *Chair, Social Sciences*

Joan Tropnos, Ph.D., *Director of the Human Services Program*

Course Offerings

All course credits are listed in semester hours. Courses are listed and described in alphabetical order by subject. Students enrolled in College of Professional Studies may also select elective courses from among the course offerings of the other colleges of the University. Those enrolled at the Staten Island campus, please note the Staten Island course equivalent following many of the course descriptions. For additional information, please consult with the advisors in the College of Professional Studies office.

Accounting (ACC) (Queens, Staten Island)

1007 Fundamentals of Accounting I

An introductory course in the principles and theory of accounting. The accounting equation and the accounting cycle are studied, including the design and preparation of books of accounts and construction of financial statements. *Fee \$25. Credit: 3 semester hours. (3-hour lecture; 1-hour weekly Problem Analysis Workshop)*

1008 Fundamentals of Accounting II (Designed primarily for Accounting majors)

Prerequisite: ACC 1007. Accounting for partnerships and corporate forms of business organizations are emphasized. Among the topics discussed are: introduction to cost accounting, budgeting and managerial concepts, specialized accounts statements and funds flow analysis. *Fee \$25. Credit: 3 semester hours. (3-hour lecture; 1-hour Weekly Problem Analysis Workshop).*

1009 Intermediate Accounting I

Prerequisite: ACC 1008. An introduction to the use of accounting in the control and reporting of business operations. Basic accounting postulates are examined, and the principles applicable to assets and liabilities are explored. *Fee \$25. Credit: 4 semester hours. (1-hour weekly Problem Analysis Workshop).*

1010 Intermediate Accounting II

Prerequisite: ACC 1009. Financial statements as a means of communicating necessary information to stockholders, creditors and others interested in the status of the business enterprise; the accounting treatment of assets, liabilities and equity are examined in depth. Special statements, ratios and price level accounting are covered. *Fee \$25. Credit: 4 semester hours. Weekly Problem Analysis Workshop.*

1013 Fundamentals of Accounting II (Non-Accounting majors)

Prerequisite: ACC 1007. An overview of accounting's role in controlling and financing business operations with emphasis on the modern-day corporation. *Credit: 3 semester hours. (3-hour lecture)*

1020 World Accounting

Prerequisite: ACC 1007. Examines the accounting standards of the most important trading partners of the US, including a detailed analysis of unique practices in each of the different countries. Financial reporting objectives and authoritative standard setting bodies in different countries are discussed. *Credit: 3 semester hours.*

Administration

2000 How the Other Side Lives— The Issues and Problems of Daily Life in Hungary

Students have a chance to live and study abroad and learn some of the daily problems faced by Hungarians. The course shows and analyzes the difficulties Hungarian society faces as it moves towards democracy. Difficulties and obstacles faced by society, the government and commercial enterprises are also discussed. *Open to all St. John's University students. No prerequisites. Free elective. Credit: 3 semester hours.*

Biology (BIO) (Queens)

1002 Principles of Biology

Introduction to biological principles with an emphasis on understanding the cell, genetics and physiology. The course is designed for students whose career objectives are not in the physical or natural sciences. *Credit: 3 semester hours. BIO 1050 (SI)*

1004 Topics in Health

A survey of present-day health problems including nutrition, exercise, heart disease, cancer and the aging process. The emphasis is on recent research and its implications for students in their daily lives. The basic biological principles underlying these topics are stressed. *Credit: 3 semester hours. BIO 1050 (SI)*

1005 Biological Aspects of Anti-Social Behavior

Prerequisite: BIO 1002 or 1004. A biology course designed for the criminal justice student. The course deals with the physiological aspects of deviant behavior and of drug addiction and alcoholism. *Credit: 3 semester hours.*

1007 Health for Women and Men

The course deals with reproductive anatomy and physiology, with an emphasis on gender differences; health, nutrition and fitness issues are stressed. *Credit: 3 semester hours. Free elective only.*

1011 The Physiology of Exercise

This course includes a discussion of the physiology of contraction of striated, smooth and cardiac muscles, factors in exercise and the effects of training on muscles. *Credit: 3 semester hours.*

1012 Issues in Biology

This course is designed to give the student an understanding of the process of science in terms of basic biological concepts. *No prerequisites. Primarily for communication arts and journalism majors. Credit: 3 semester hours.*

1014 Ecological and Environmental Studies

This course studies different levels of ecological organization including population, community, ecosystem and biosphere. Emphasis is placed upon current environmental concerns. *No prerequisites. Credit: 3 semester hours.*

1015 Women in Biology

This course examines the contributions women have made historically, as well as those they are currently making, to the field of biology. *No prerequisites. Credit: 3 semester hours.*

1030 Biology for Elementary Teachers

This course reviews important topics in biology relevant for elementary education majors. A main objective is to provide a foundation of subject matter that enables students to become scientifically literate. *Open only to The School of Education students. Credit: 3 semester hours.*

Business Law (BLW) (Queens, Staten Island)

1001 Law and Business

A study of the United States legal system emphasizing its origins, development, and operation and a survey of the substantive law of contracts, torts, and crimes as well as procedural law (with emphasis on civil procedure), with applications in the business environment. *Credit: 3 semester hours.*

1005 Topics of Business Law

This course replaces the former BLW 1002. A brief study of the United States legal system and, in-depth study of selected substantive business law subjects such as legal entities employed in commerce (corporations, partnerships, etc.), agency, property (real and personal), bailments, and sales. *Credit: 3 semester hours.*

1015 Legal Environment of the Workplace

Prerequisite: BLW 1001 or BLW 1005. An examination of the legal environment of Human Resources, including federal and state laws that establish the rights and responsibilities of employers and employees. It aims at improving students' abilities to prevent, analyze, and resolve employment-related problems in the workplace through a study of various topics, including at-will employment, discrimination, harassment, privacy, fair labor standards, and collective bargaining. *Credit: 3 semester hours.*

1020 International Business Law

Prerequisite: BLW 1001 or BLW 1005. A survey of U.S. and foreign laws governing international business transactions. Antitrust and other trade regulation laws, foreign exchange and investment restrictions, tax and corporate laws relevant to the location of an enterprise, licensing requirements and international treaties affecting commercial transactions are considered. *Credit: 3 semester hours.*

1026 Moot Court

Prerequisite: Any law course. The preparation of a case for trial, including basic research of the legal issues, gathering and analyzing the evidence and examination of witnesses. Presentation of the case in an actual trial setting in the fictitious state of MOOT, with members of the faculty acting as judges. Emphasis on basic research skills, analytical thinking and preparation of arguments, and oral presentation of the case. Students interchange roles as parties, advocates, jurors and witnesses. *This course is not open to A.S. business students. (Cf.: LES 1040)*
Credit: 3 semester hours. Free elective only. Intercession and pre-session only.

1030 Business Litigation – Small Claims

Study of resolution of small business disputes in the judicial system and by alternative dispute resolution processes. Special emphasis will be given to mediation, arbitration, and small-claims court process. Disputes typically encountered by small businesses will be analyzed from attempts to settle through collection. Mock proceedings will be conducted examining typical procedural and substantive issues arising in small-claims disputes. Basic legal concepts with which everyone should be familiar will be reviewed.
Credit: 3 semester hours.

1040 Inside the Courts of New York

This course is designed to provide students with a view inside civil and criminal trial and appellate courts in the State of New York. Following lectures on litigation and the court system, students will observe trials and other proceedings in federal and state courts in the metropolitan area, including some or all of United States District Court, New York State Supreme Court, Surrogate's Court, Family Court, County Court, New York City Civil and Criminal Courts, and Nassau County District Court.
Credit: 3 semester hours. Free elective only. Intercession and pre-session only.

Chemistry (CHE)

(Queens)

1001 Topics in Chemistry

This course is designed to provide the student who is not a science major with an introduction to the fundamentals of chemistry.
Credit: 3 semester hours.

The College Experience (COLL)

(Queens)

101 The College Experience

Assists first-year students in their orientation and adjustment to college life. Providing a foundation for college success through skill acquisition and the introduction of University resources, the course focuses on both academic and personal developments.
Credit: 1 semester hour.

Communications (CAS) and Television and Film Studies

(Queens, Staten Island)

1100 Career Horizons

Students explore personal and career goals, discover primary and alternate career options, learn how to find and apply for job opportunities, and examine successful on-the-job techniques. Required during sophomore year.
Credit: 1 semester hour.

1101 Introduction to Mass Communications

An examination of the role of the mass media in significant aspects of contemporary life as they relate to culture, politics and education.
Credit: 3 semester hours. Also available online as distance learning.

1102 International Communications

Prerequisite: Juniors and seniors only. An examination of the historical, structural and political aspects of the communications industries throughout Europe, the Near East, Africa, Latin and South America.
Credit: 3 semester hours.

1103 International Communications: Asia

Prerequisite: Juniors and seniors only. A survey course covering aspects of Asian and Asian-American cultures and their communications industries.
Credit: 3 semester hours.

1201 Introduction to Visual Production

Required for all 1210 and 1220 series classes – Required for all freshman TVF MAJORS beginning fall '06. An introduction to the problems and procedures of one-camera cinematic communication, with an emphasis on the basic craft elements and techniques of shot determination, composition, camera movement, exposure, sound recording, editing, story telling and documentation.
Credit: 3 semester hours.

1209 Survey of Television Production

A general overview of the TV production process: studio and field, editing, graphics and performance. Designed both for non-communication and communication majors who do not intend to progress to more advanced television classes. (Not open to TVF majors)
Credit: 3 semester hours.

1210 Television Production I

Prerequisite: CAS 1201. An introduction to the processes and techniques of television production. Introduces all aspects of the medium from program concept through writing, camera operation and directing.
Laboratory fee: \$30. Credit: 3 semester hours.

1211 Television Production II

Prerequisite: CAS 1210. A workshop providing additional hands-on experience in camera operation, technical directing, and audio. Technical aspects of production are stressed.
Laboratory fee: \$30. Credit: 3 semester hours.

1212 Television Production III

Prerequisite: CAS 1211. An in-depth examination of the advanced skills required in the use of professional video equipment.
Laboratory fee: \$30. Credit: 3 semester hours.

1213 Introduction to Television Field Production

Prerequisite: 1215. A hands-on class introducing the procedures, techniques and equipment used in television field production. Students light, shoot and record in a variety of field situations. *Laboratory fee: \$30.*
Credit: 3 semester hours.

1214 Television Program Development

Prerequisite: CAS 1211 and 1215 and any other approved television course. An advanced workshop in video production. The class develops and produces their own television production project. *Laboratory fee: \$30.*
Credit: 3 semester hours.

1215 Non-Linear Editing

Prerequisite: CAS 1209 or CAS 1201. A workshop in digital, non-linear video editing techniques. Students learn to master both the technical and aesthetic aspects of the craft by doing their own editing. *Laboratory fee: \$30.*
Credit: 3 semester hours.

1216 Documentary Production

Prerequisite: CAS 1215. A production class covering the conception, pre-production, production and post-production of the documentary form.
Credit: 3 semester hours.

1217 Television Performance

Prerequisite: SPE 1000C. A performance course covering the skills needed for on-camera work including multi-camera acting, hosting and news reading. *Laboratory fee: \$30.*
Credit: 3 semester hours.

1220 Film Production

Prerequisite: CAS 1215. A hands-on workshop providing students with a practical approach to 16 mm film making. Students write, shoot and edit their own films. *Laboratory fee: \$60.*
Credit: 3 semester hours.

1221 Directing Television, Film and Video

Prerequisite: CAS 1210 (or 1220) and 1215. Introduces the processes of directing one-camera film and video. The creative aspects of directing, working with actors, camera placement and visualization are covered.
Laboratory fee: \$30
Credit: 3 semester hours.

1225 Film Production II

Prerequisite: CAS 1220. A hands-on workshop in 16 mm and digital film making. Emphasis is placed on sound recording, cinematography and lighting. Students write, shoot and edit their own sound films. *Fee: \$60.*
Credit: 3 semester hours.

1227 Audio Production I

Students learn theory and practice of audio techniques for radio, television and film production. Sound recording, audio board operation, microphone use and software based programs are covered. *Laboratory fee: \$30.*
Credit: 3 semester hours.

1230 Introduction to Broadcasting and Announcing

Prerequisite: SPE 1000C. An introduction to the radio environment and radio broadcaster's role. Students acquire skills in analysis, interpretation and communications in a variety of announcing projects. *Laboratory fee: \$30.*
Credit: 3 semester hours.

1231 Broadcast Announcer's Workshop

Prerequisite: CAS 1230. In-depth training in the techniques necessary to work in broadcasting. Students polish their presentation of announcing, disk jockeying, interviews, voice-overs and commercials. *Laboratory fee: \$30. Credit: 3 semester hours.*

1232 Radio Production Workshop

Prerequisite: SPE 1000C and CAS 1230. Training in the production of radio programs, commercials and spot announcements. Students learn about writing, producing, editing, sound effects, musical bridges and background music. *Laboratory fee: \$30. Credit: 3 semester hours.*

1233 Broadcast Journalism: Radio

Prerequisite: ENG 1100C, CAS 1353 (or JOU 1003) and SPE 1000C. Students gather, write and tape their own radio news stories and programs. Projects include: radio stories, newscasts, radio editorials, and radio documentaries. *Cf.: JOU 1021. Laboratory fee: \$30. Credit: 3 semester hours.*

1234 Sports Broadcasting

Prerequisite: SPE 1000C. Techniques utilized in the preparation of play-by-play descriptions and analysis of sports are covered. Students learn to prepare and broadcast sports programs, and write copy as well. *Laboratory fee: \$30. Credit: 3 semester hours.*

1235 Broadcast Journalism: Television

Prerequisite: CAS 1353. An advanced course in television journalism. Students pursue topics in TV journalism and produce their own television news programming. *Laboratory fee \$30. Cf.: JOU 1024 Credits: 3 semester hours.*

1280 Introduction to Motion Picture Graphics and Animation

An introduction to designing two dimensional, motion graphics for television and film. Included will be the examination of thematic elements in a visual narrative, identifying good composition as it relates to motion design and maintaining conceptual continuity. Skills learned will be in the use of the most current software. *Credit: 3 semester hours.*

1281 Motion Graphics I

Prerequisite: CAS 1280. Students design, create and manipulate video images on a variety of computer systems. The principles and procedures of electronic graphics used in television and film are covered. *Credit: 3 semester hours.*

1282 Motion Graphics II

Prerequisite: CAS 1281. Covering the concepts and techniques of compositing and integration, this course will enable students to assemble media content elements using advanced motion graphics techniques: rotoscoping, tracking, morphing, texturizing and others. *Credit: 3 semester hours.*

1283 Animation I

Prerequisite: CAS 1280. Students learn fundamentals of 2d animation, content development in animation and new design concepts utilizing current animation software. *Credit: 3 semester hours.*

1284 SD Modeling and Animation

Prerequisite: CAS 1283. Covers basic areas of three dimensional modeling, digital animation, nurbs, polygons, lighting, texturing and rendering. Students will create three dimensional animations focusing on entertainment and corporate projects scenarios. *Credit: 3 semester hours.*

1290 Fundamentals of Media Graphics

An introduction to the use of computers in the creation and manipulation of graphic imagery. Covers graphics software, input devices and the use of computer-generated visuals in the media. *Laboratory fee: \$30. Credit: 3 semester hours.*

1292 Publication Graphics

Prerequisite: CAS 1290. A workshop in desk top publishing. Students learn the application of computers for writing and presentations. Explores the integration of writing, design, layout, typesetting and the visual elements of brochures, newsletters and magazines. *Cf.: JOU 1030. Laboratory fee: \$30. Credit: 3 semester hours.*

1294 Web Design and Development

This course will focus on design strategies developers must consider when creating websites. Topics will include the use of text, color and graphics as they apply to the creation of quality and effective websites. *Credit: 3 semester hours.*

1295 Advanced Graphics

Prerequisite: CAS 1291. Students will explore various methods of manipulating imagery and moving images, from traditional cell animation, to clay-mation techniques to the newest morphing techniques. *Credit: 3 semester hours.*

1296 Multimedia Screen Design

Prerequisite: CAS 1290 or CUS 1102. An introduction to the design and layout of projects and presentations using computers, including the study of color theory and typography. Included is the study of presentations on the computer, titles for video and film, multimedia and interactive CD-ROM screen design, the Internet and preliminary designing of a Web page. *Fee: \$30. Credit: 3 semester hours.*

1298 Advertising Production

This course engages students to explore and collectively solve an applied advertising problem culminating with entry in the American Advertising Foundation national student advertising competition. Students learn fundamental creative concepts and digital design production techniques for print, web, and broadcast with the goals of conceptualizing, designing and producing a professional 32-page booklet illustrating a national advertising campaign within a real agency case study competition. *Credit: 3 semester hours.*

1310 Writing for Television

Prerequisite: ENG 1000C and ENG 1100C. Students write all materials necessary to produce a TV series, including the story concepts, character attributes, head and tail bumpers, and a series of scripts ready for production. *Credit: 3 semester hours.*

1320 Non-Fiction Screenwriting

Prerequisite: ENG 1000C and ENG 1100C. An examination of the forms and techniques of documentary, educational and other non-fiction film and video productions. Students develop scripts from treatment to completed screenplay. *Credit: 3 semester hours.*

1321 Dramatic Screenplay Writing

Prerequisite: ENG 1000C and ENG 1100C. Covers the forms, methods and techniques of dramatic writing for motion pictures and television. Students develop their own scripts from the idea stage to complete screenplay. *Credit: 3 semester hours.*

1322 Advanced Screenplay Writing

Prerequisite: CAS 1321 or CAS 1310. Students learn to identify, experience, and master problems of extended visual narrative, in an advanced workshop that covers methods and techniques of extended visual narrative. *Credit: 3 semester hours.*

1341 Public Relations Writing

Prerequisite: CAS 1462 or 1440. This is an advanced course in public relations writing with an emphasis on trends and issues in corporate communications and publicity. Students write, design, and develop press releases, backgrounders, facts sheets, speeches, newsletters, and presentations focused on solving communication problems in a variety of contexts. *Credit: 3 semester hours.*

1350 Journalism (Print Media)

Prerequisite: ENG 1000C and ENG 1100C. The techniques of gathering, evaluating and writing news for the print media. Applications include writing and editing of news, headline writing and page make-up planning. *Credit: 3 semester hours.*

1351 Magazine Journalism

Prerequisite: ENG 1000C and ENG 1100C. An examination of the techniques of magazine publishing with emphasis on writing, editing, production and design. Students write news articles, features and reviews. *Cf.: JOU 1006. Credit: 3 semester hours.*

1353 Writing for Broadcast Journalism

Prerequisite: ENG 1000C and ENG 1100C and CAS 1101 or JOU 2000. An introductory course covering the techniques of gathering, evaluating and writing the news for the electronic media. Students learn how to research, write, edit and organize broadcast news stories. *Cf.: JOU 1023. Credit: 3 semester hours.*

1360 Media Copy Writing

Prerequisite: ENG 1000C and ENG 1100C. A workshop in copy writing for the mass media. Students research, develop and write the copy for a complete advertising or public relations campaign utilizing all of the media. *Credit: 3 semester hours.*

1362 Advertising Copywriting I

This course is a workshop in how to create the copy for print and television commercials, and to help students produce a portfolio of their work to be shown when looking for a job in advertising. *Credit: 3 semester hours.*

1363 Advertising Copywriting II

Prerequisite: CAS 1362. This course is a continuing workshop on how to create the copy for print and television commercials. It is designed to help the students work on their portfolio which they need to get creative jobs at an advertising agency *Credit: 3 semester hours.*

1410 The Business of Television

Prerequisite: MKT 1001. Television is discussed from the client, agency and network station standpoints, with emphasis placed on the buying, planning, selling and negotiating processes. *Credit: 3 semester hours.*

1411 Communications Technologies

Prerequisite: CAS 1101. An examination of the electronic and digital technologies of mass media. Topics include the technological background of cable, satellites, computers, fiber optics, digital television. *Credit: 3 semester hours.*

1420 Introduction to Motion Picture Production

Current procedures in the film industry, the functions of the various contributors to a film, film grammar, theory and analysis. The course is designed for students who wish to know how Hollywood movies are made. *Credit: 3 semester hours.*

1421 The Business of Film and Television

Prerequisite: CAS 1420 and MKT 1001. How to produce, sell and distribute film and video productions from pitching an idea; funding; legal considerations, to merchandising and advertising. *Limited to juniors and seniors. Credit: 3 semester hours.*

1422 Film and Television Production Management

Prerequisite: CAS 1209 or 1210 or 1420. An introduction to the procedures and techniques used in the planning of a film or video production. Useful for students preparing for careers as unit production managers, assistant directors or line producers. *Credit: 3 semester hours.*

1430 The Business of Radio

Prerequisite: CAS 1101. The commercial and public aspects of radio broadcasting, including ratings, research, selling, advertising/underwriting promotion, public relations, and technical operations. *Credit: 3 semester hours.*

1440 Introduction to Public Relations

The role and basic concepts of public relations. Students are given instruction in the use of the media in researching specific publics, organizing, planning, executing and evaluating public relations campaigns. *Credit: 3 semester hours.*

1442 Public Relations Strategies

Prerequisite: CAS 1440. Students will have an opportunity to learn from case study analysis and to be able to apply this knowledge in practical situations. *Credit: 3 semester hours.*

1443 Seminar in Public Relations Campaigns

Prerequisite: CAS 1440 and 1341. This capstone course is designed to help develop and refine critical thinking through selecting, creating, and applying the tools, techniques, and principles of public relations. Students create a full campaign based on solving communications problems for a not-for-profit organization. *Credit: 3 semester hours.*

1461 Introduction to Advertising Communication

Prerequisite: MKT 1001. Advertising on the national and local levels is covered in depth. Topics include defining advertising objectives, media's influence on consumer choice, selection, evaluation and development of criteria for advertising. *Credit: 3 semester hours.*

1463 The Broadcast Representative's Role in Radio and Television Sales

Prerequisite: MKT 1001. Discusses the broadcast representative's role in place radio and television ads. Topics include research, marketing, computer applications, programming, and contractual relationships. *Credit: 3 semester hours.*

1464 Media Planning and Buying

Prerequisite: CAS 1465. To provide students with the basic skills in media planning and buying. Students learn how to select which media are best suited to an advertiser's message and how to prepare a media plan. *Credit: 3 semester hours.*

1465 Integrated Advertising Communication

Prerequisite: MKT 1001. The nature, structure and operation of marketing systems as applied to the communications industry are covered. Recent trends and policies in the communications field are also covered. *Credit: 3 semester hours.*

1466 Seminar in Advertising Communication

Prerequisite: MKT 1001. An overview covering the three basic aspects of advertising: how to create ads that sell; how to market products to the public; and: the proper use of media to promote products. Students write creative strategies and copy, learn visual techniques and prepare draft layouts. *Credit: 3 semester hours.*

1470 Management in Communications

Prerequisite: MGT 1001. The major functions of management as applied to the communications industry. Topics include planning, organizing, and controlling the communications business enterprise. *Credit: 3 semester hours.*

1471 Legal Aspects of Communications

Prerequisite: BLW 1001. A survey of contract law and the role of government regulation relating to the communications industry. *Credit: 3 semester hours.*

1472 Ethical Values for Communications

Prerequisite: CAS 1101. The ethical concepts and problems involved in print media, radio, television, film, theater and advertising. *Credit: 3 semester hours.*

1474 Seminar in Communications Research

Prerequisite: CAS 1101. Introduction into the nature of marketing and communications research covering the use of data, and the tabulation and analysis of results. *Credit: 3 semester hours.*

1500 Visual Aesthetics

An examination of visual design basics and forms in general and in particular, of theories of visual art and of critical approaches and applications to the visual arts. *Credit: 3 semester hours.*

1510 Contemporary American Television I: The Early Years

An examination of American television from 1948 to the late 1960s, covering the development of prime time, day time, children's programming and news. *Credit: 3 semester hours.*

1511 Contemporary American Television II: A Time of Innocence, A Time of Change

The changes in content and programming in American television since 1970. Topics include the development of television genres, the influence of new technologies, and television's effect on its audience. *Credit: 3 semester hours.*

1515 Special Television Studies

This course will cover a single aspect of television history and/or aesthetics. Class content will vary from term to term. Genres may include: sit-coms, news, game shows, soap operas, talk shows, reality programming, or drama. *Credit: 3 semester hours.*

1520 Film Rhetoric

Prerequisite: CAS 1420. An examination of how photography, composition, editing, story and theme play a role in a feature length film, video, tv commercial or comedy. *Credit: 3 semester hours.*

1521 The Rise of the American Film

An examination of the birth of the American motion picture industry from 1894 to the coming of sound. The Silent Film is studied as a "popular art" with emphasis placed on its aesthetic development. *Credit: 3 semester hours.*

1522 Hollywood Films of the Studio Era

The development of the Hollywood studio system from 1927 to the mid-1960s with emphasis on the genres, directors and stars. *Credit: 3 semester hours.*

1523 International Cinema

An introduction to the history, aesthetics and auteurs of the foreign cinema from France, Germany, Italy, Sweden, Japan, Russia, and Eastern Europe are screened. *Credit: 3 semester hours.*

1524 Contemporary Cinema

An examination of trends in theatrical motion pictures from 1970 to the present. Students learn to critically analyze film's cultural content, style and influence on contemporary practices. *Credit: 3 semester hours.*

1525 The Hollywood Musical

The development of the Hollywood musical film from the arrival of sound to the present. Emphasis is placed on genres, auteurs and the comparisons between musical films and Broadway productions. *Credit: 3 semester hours.*

1526 Special Cinema Studies

Topics change each semester: for example, 1526.01–Woody Allen; 1526.02–Alfred Hitchcock; 1526.03–Westerns; 1526.04–Italian Cinema; 1526.05–Science Fiction; 1526.06–Screen Comedy. *Credit: 3 semester hours.*

1527 East Asian Cinema

A survey of trends in film production in East Asia on the cinema of Japan, Hong Kong, the Republic of China and the People's Republic of China since the end of WWII to the present. *Credit: 3 semester hours.*

1540 History of Advertising

A survey course on how advertising has progressed from its early times up to the effectiveness of Super Bowl commercials. *Credit: 3 semester hours.*

1600 Individual Research: Topic in Communication

Prerequisite: Permission of the Chair. Individualized independent study. Under the guidance of a faculty member, students pursue an in-depth study of the communications field or participate in a communications production project. *Credit: 1, 2 and 3 semester hours.*

1601 Communications Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional communications organization. *Open to juniors and seniors only. Credit: 6 semester hours.*

1602 Communications Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional communications organization. *Open to juniors and seniors only. Credit: 3 semester hours.*

1603 Journalism Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional journalism organization. *Open to juniors and seniors only. Credit: 3 semester hours.*

1604 Advertising Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional advertising organization. *Open to juniors and seniors only. Credit: 3 semester hours.*

1605 Public Relations Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional public relations organization. *Open to juniors and seniors only. Credit: 3 semester hours.*

1606 Television Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional television or video organization with supervised practical experience to further prepare majors for their professional careers. *Open to juniors and seniors only. Credit: 3 semester hours.*

1607 Film Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional film or video organization, with supervised practical experience to further prepare majors for their professional careers. *Open to juniors and seniors only. Credit: 3 semester hours.*

1608 Media Graphic Internship

Prerequisite: Permission of the Director. An off-campus experience with a professional media organization utilizing computer graphics, with supervised practical experience to further prepare majors for their professional careers. *Open to juniors and seniors only. Credit: 3 semester hours.*

1610, 1611, 1612 Television Club Practicum

Prerequisite: Permission of the Faculty Moderator. Active members of the University's Television Club develop their own video project under the guidance of the club moderator. *Credit: 1, 2 and 3 semester hours.*

1620, 1621, 1622 Communications Film Club Practicum

Prerequisite: Permission of the Faculty Moderator. Active members of the Communications Film Club develop their own film project under the guidance of the club moderator. *Credit: 1, 2 and 3 semester hours.*

1630, 1631, 1632 WSJU Radio Practicum (formerly CAS 2040, 2041 and 2042)

Prerequisite: Permission of the Faculty Moderator. Active members of the campus radio station, WSJU, develop their own radio project under the guidance of the station moderator. *Credit: 1, 2 and 3 semester hours.*

1740 Communications in New York

Through field trips, this course explores media in NYC, including the newspapers, magazines, radio and TV stations; advertising and public relations agencies; and film studios. *Credit: 3 semester hours. Free elective credit only. Laboratory fee: \$60. Intersession.*

1760 Special Television Studies

An in-depth examination of a single aspect of television history and aesthetics, covering a particular genre or topic of television determined by current interest. *Credit: 3 semester hours. Free elective credit only. Laboratory Fee: \$30. Intersession.*

1800 Senior Project

Advanced work in video, film, or graphics under the guidance of a faculty member. Script development, a short film or video, advanced research are suggested topics. *Credit: 3 semester hours. Open to TV/film studies majors only.*

2000 Honors Seminar in Current Issues in Communications

Prerequisite: Juniors or seniors who have completed a minimum of 18 credit hours of CAS, have a cumulative GPA of 3.0 or higher and the permission of the Director or the Chair of the Division of Communications, Journalism and Media Studies. An examination of prevailing issues of importance in communications. Specific topics vary and are based on current industry concerns. *Credit: 3 semester hours.*

Computer Science (CUS) (Queens)

1030 Introduction to Computers in the Elementary School Course

An introduction to computers as it pertains to the elementary school curriculum. Word processor, a spreadsheet and a database management system as it relates to the elementary school teaching and administrative environment is emphasized. *Open only to students enrolled in The School of Education and Human Services. Credit: 3 semester hours.*

1101 Introduction to Computer Programming

Basic principles and operations of a computer system. The Visual Basic programming language; data representation; input/output; structured program design. *(Not open to computer science or electronic data processing Majors). Credit: 3 semester hours. CSC 1000 (SI)*

1102 Software Applications

Investigation of the computer as a tool; computer concepts and the use of productivity software; using a word processor; creating and using electronic spreadsheets; databases and database management systems. *(Not open to students who have completed CUS 1107 or 1165.) Credit: 3 semester hours.*

1103 Spreadsheet and Database

Prerequisite: CUS 1102. Comprehensive analysis of electronic spreadsheet and database software, including concepts and applications. *Credit: 3 semester hours.*

1104 Presentation Graphics

Concepts and applications of presentation graphics packages; graphics capabilities of spreadsheets and databases; hypertext presentations; Computer Assisted Instruction; associated hardware concepts including image scanners, digital film recorders, laserdisks, CD-ROMs, TV Center graphics equipment. *Credit: 3 semester hours.*

1105 Desktop Publishing

Prerequisite: CUS 1102. Electronic publishing and theory including form letters, mail merge, bitmapped graphics, charts, tables, layouts, bookmarks, watermarks, and macros. *Credit: 3 semester hours.*

1106 Computer Security

Prerequisite: Three credits in CUS. Exploration of the vulnerability of EDP systems to criminal abuse and other breaches of security, accuracy and privacy; case studies of computer abuse; principles of access control, and physical security. *Credit: 3 semester hours.*

1107 Computer Applications in the Law Office

Prerequisite: LES 1001. Introduction to word processing and software applications used in the contemporary law office. Specific applications include drafting and editing documents, document and file management, use of data bases for litigation support, time accounting and billing, docket control, calendar management, forms generation and general ledger. *Credit: 3 semester hours.*

1108 Introduction to Computers for Pharmacy Students

Prerequisite: Open to College of Pharmacy and Allied Health Professions students only. Investigation of the computer as a tool in the health professions; the use of a word processor; electronic spreadsheets; database management systems; presentation packages and exploration of the World Wide Web. *Credit: 3 semester hours.*

1109 Computer Science and Wall Street

Survey of computer science techniques that have a demonstrated value in the financial community for use in decision-making. Topics are drawn from artificial intelligence, operations research, econometrics and financial statement analysis. *Credit: 3 semester hours.*

1113 Computer Programming Fundamentals

Introduction to the use of the computer, hardware and software terminology and computer literacy; introduction to the concepts of program planning and simple programming. *Credit: 3 semester hours.*

1114 Structured Programming Techniques

Introduction to structured programming concepts; the C++ programming language; data types; arrays, vectors, files, classes; branching, looping; functions; debugging. *Credit: 3 semester hours.*

1122 Mainframe Assembler Language

Prerequisite: CUS 1114. Binary and hexadecimal arithmetic, data representation, introduction to IBM System 370 BAL programming language. *Credit: 3 semester hours.*

1123 Microcomputer Assembler Language

Prerequisite: CUS 1114. This course examines the architecture and instruction sets of microprocessors. Topics include: instruction types; indexing; addressing; arithmetic operations; branching and control instructions. *Credit: 3 semester hours.*

1124 Introduction to Data Structures

Prerequisite: CUS 1114. Data and its representation; abstract data types; introduction to linked lists, stacks, and queues; introduction to recursion, pointers, dynamic variables, and classes. *Credit: 3 semester hours.*

1131 Business Data Management

Sequential file creation, processing and updating; data editing and report generation, sort and search routines; string processing, subprograms and table processing. Real time business applications. *Credit: 3 semester hours.*

1132 Advanced Assembler Language

Prerequisite: CUS 1122. Continuation of IBM System/370 BAL; base registers; relocatability; subroutines and macros; loaders; linkage editing; interrupts; subroutines, input/output operations. *Credit: 3 semester hours.*

1133 Advanced Microassembler Language

Prerequisite: CUS 1123. Macros; device drivers; System resources; I/O interrupts; 80x87 numeric coprocessor; TSR routines; use of MASM subroutines in high-level languages. *Credit: 3 semester hours.*

1141 Advanced Business Programming

Prerequisite: CUS 1131. Advanced language features; disk processing techniques-sequential and random access; table handling; file sorting and merging; report writing. *Credit: 3 semester hours.*

1142 Commercial Systems

Prerequisite: CUS 1131. Commercial systems analysis; research and proposal of the system; time and budget constraints; the RPGII programming language; file description, input, calculation and output-format. *Credit: 3 semester hours.*

1143 Systems Resource Management

Prerequisite: CUS 1122 or 1131. Task control and resource allocation. Command language, utilities, library maintenance, catalogued procedures, project development and implementation, components and shared resources of a virtual machine environment. *Credit: 3 semester hours.*

1144 Object-Oriented Programming

Prerequisite: CUS 1124. Introduces the student to the object-oriented programming paradigm and explores the features of the C++ language. *Not open to students who have completed CUS 1152. Credit: 3 semester hours.*

1145 Unix Operating System

Prerequisite: CUS 1124. Fundamentals of the UNIX operating system; managing files, redirecting, filtering and piping; Korn shell features; controlling processes, connections to network services. *Credit: 3 semester hours.*

1146 PERL Programming language

Prerequisite: CUS 1124. Microcomputer applications using PERL; use of PERL as a scripting language for the Common Gateway Interface (CGI) protocol. *Credit: 3 semester hours.*

1147 Business Driven Technology

Prerequisite: CUS 1124. Examination of how information technology enables organizations to conduct business in radically different and more effective ways. Discussion of the impact of business drivers on technology and on the achievement of business success; examination of the relationship between business initiatives and information; ways in which information technology enhances business decisions; the use of collaborative technologies to promote partnerships; and a survey of transformational technologies. *Credit: 3 semester hours.*

1151 Advanced Data Structures

Prerequisite: CUS 1144. Dynamic data structures: stacks, queues, tables, trees, graphs, priority queues, heaps and objects; searching techniques and sorting methods. *Credit: 3 semester hours.*

1153 Survey of Languages

Prerequisite: CUS 1124. Concepts and applications of the LISP programming language; language definition and structure; storage allocation; control. *Credit: 3 semester hours.*

1154 Event-Driven Programming

Prerequisite: CUS 1124. Fundamentals of event-driven programming and application development: user interface design; programming with objects; accessing data; working with graphics; programming with components. *Credit: 3 semester hours.*

1155 Java and World Wide Web Applications

Prerequisite: CUS 1124. Microcomputer applications using Java (J++); creation of static and dynamic applets, threads and events, the Java Abstract Windowing Toolkit. *Credit: 3 semester hours.*

1156 Advanced Java Programming

Prerequisite: CUS 1155. Creation of user-friendly Graphical User Interfaces (GUI); data screening techniques, the use of GUI-based applets and applications as front end tools; data base access through JDBC, Web server connectivity through Servlets; Java in a networking environment and its application to Remote Method Invocation. *Credit: 3 semester hours.*

1161 Logical Design

Prerequisite: CUS 1124. Basic logic design; combinational and sequential circuits; Boolean Algebra; minimization techniques for completely and incompletely specified problems; introduction to computer architecture. *Credit: 3 semester hours.*

1162 Computer Architecture

Prerequisite: CUS 1124. Hardware design of a computer system, register transfer, micro operations, timing and control, CPU organization, ALU design, I/O organization and interrupts, bus organization, memory organization, parallel, vector and pipeline processors, fault-tolerant systems, tessellated computers and case studies of non-conventional computer architectures. *Credit: 3 semester hours.*

1163 Operating Systems

Prerequisite: CUS 1124. Aspects of operating systems; memory management and resource allocation; virtual memory, paging and segmentation; multiprogramming; scheduling; interrupt handling; thrashing, deadlock detection and prevention; cache memory. *Credit: 3 semester hours.*

1164 Compilers and Program Translation

Prerequisite: CUS 1124. Compiler construction; symbol tables; lexical scanning, syntax analysis; memory allocation; object code generation; optimization techniques; interpreters. *Credit: 3 semester hours.*

1165 Database Management Systems

Prerequisite: CUS 1124. Relational, hierarchical, and network database systems; file organization and access techniques; query and update languages; database security and integrity. *Credit: 3 semester hours.*

1166 Software Engineering

Prerequisite: CUS 1124. Issues and techniques in the design and implementation of complex computer systems with emphasis on the software component. Topics include software project planning, software design principles, quality assurance and testing techniques. *Credit: 3 semester hours.*

1167 Systems Analysis

Prerequisite: CUS 1124. Design and evaluation of systems. Topics include: information as a resource, types of information systems, systems development life cycle, economic aspects of systems selection and feedback control. *Credit: 3 semester hours.*

1168 Theory of Programming Languages

Prerequisite: CUS 1124. The role of programming language in the software life cycle. Topics include data abstraction, binding time, activation stack, parameter passing mechanisms, strength of typing and type equivalence. *Credit: 3 semester hours.*

1169 Advanced Database Management Systems

Prerequisites: CUS 1131, 1165. Development of multiuser systems using a SQL relational database; database accessing techniques to include interactive SQL language as well as COBOL and REXX programs; data normalization techniques. *Credit: 3 semester hours.*

1171 Distributed Operating Systems

Prerequisite: CUS 1124. An introduction to the concepts and design principles used in distributive computer systems. Topics will include data currency, distributive file systems, security, interprocess communications, directory services, job transfer and management and fault-to-tolerance. *Credit: 3 semester hours.*

1172 HTML and JAVA Script

Prerequisite: CUS 1124. Exploration of the theory, implementation and integration of Web page development. The emphasis is on documents, graphical elements, forms, script applications and multimedia. *Credit: 3 semester hours.*

1173 Dynamic Web Page Development

Prerequisite: CUS 1172 or equivalent. An introduction to microcomputer graphics from the plotting of points and lines to circles and polygons. Transformations and rotations of two-dimensional figures are examined. Special applications include animation; windowing and clipping and CAD/CAM. *Credit: 3 semester hours.*

1174 Artificial Intelligence

Prerequisite: CUS 1124. Study of the automation of intellectual processes. Topics include: heuristic methods of problem solution, game-playing programs, expert systems, automatic theorem-proving. *Credit: 3 semester hours.*

1175 Computers and the Law

Corequisite: CUS 1124. This course examines the law of contracts and intellectual property as applied to computer usage. Topics include the sale and leasing of computer systems, the patenting and copyrighting of hardware and software and the invasion of privacy. *Credit: 3 semester hours. (Not open to students who have completed TEL 1021.)*

1176 Electronic Commerce

Prerequisite: CUS 1124. An examination of current and projected developments in electronic commerce. Topics include the information technologies upon which electronic commerce is based; telecommunications infrastructure; electronic consumers and advertising; the effect of e-commerce on logistics and supply chain management; electronic financial markets and digital

payment mechanisms; security issues such as authentication and payment in e-commerce; introduction to symmetric and public-key encryption; digital signatures and certificates; Secure Sockets Layer (SSL), Transport Layer Service (TLS), and secure electronic payment protocols. *Credit: 3 semester hours.*

1179 Data Mining

Prerequisite: CUS 1165. Introduction to the analysis of databases for relationships, patterns, and trends. Both visualizing data and developing graphical representations of data will be stressed. Students will learn to select, prepare, visualize, analyze and present data findings that lead to the discovery of novel and actionable information. *Credit: 3 semester hours.*

1181; 1182 Operations Research I and II

Prerequisite: CUS 1124; for CUS 1181, MTH 1009 and 1013. Probability; stochastic processes; Markov chains; queueing theory; inventory theory; linear programming; duality; assignment and transportation problems; game theory. *Credit: 3 semester hours.*

1183 Simulation

Prerequisite: CUS 1124. Generation of random numbers and variates; queueing theory and stochastic processes; computer modeling and simulation of systems, with applications in selected areas. *Credit: 3 semester hours.*

1184 Data Communications

Prerequisite: CUS 1124. An overview of data communications, networking, communications architecture and standards; data transmission; data encoding; digital data communications techniques; data link control; networking techniques; packet switching; protocols and architecture; and network simulation software. Cf: TEL 1031 *Credit: 3 semester hours.*

1185 Data Security and Cryptography

Prerequisite: CUS 1124. Methods for maintaining security and integrity of computer data; mathematical treatment of contemporary topics in cryptography; overview and selected topics in data security. *Credit: 3 semester hours.*

1186 Theory of Computation

Prerequisite: CUS 1124. Fundamentals of theoretical computer science: computable functions; primitive recursive functions and predicates (PRC classes); the halting problem, Godel numbers and pairing functions; recursively enumerable sets; universality; Post-Turing programs; simulations; Turing Machines. *Credit: 3 semester hours.*

1187 Finite Automata and Formal Languages

Prerequisite: CUS 1124. Deterministic and non-deterministic finite automata; regular languages; Kleene's Theorem; context-free grammars and languages; derivation trees; regular grammars; bracket languages; pushdown automata; compilers and formal languages. *Credit: 3 semester hours.*

1188 Analysis of Algorithms

Prerequisite: CUS 1124. Analysis of the performance of algorithms. Topics covered include analyzing the efficiency of algorithms, sorting and searching algorithms, graph algorithms, dynamic programming, probabilistic algorithms, introduction to complexity. *Credit: 3 semester hours.*

1191 Computer Science Internship

Prerequisite: Permission of the Director. Supervised practical experience to further prepare majors for their professional careers. Only open to juniors and seniors majoring in computer science. *Credit: 3 semester hours.*

1192 Computer Science Internship

Prerequisite: Permission of the Director. Supervised practical experience to further prepare majors for their professional careers. Only open to juniors and seniors majoring in computer science. *Credit: 6 semester hours.*

1196 Individual Research: Topics in Hardware

Prerequisite: CUS 1124 and the permission of the Director. This course is designed to provide individualized independent study in microcomputers. Under the guidance of a faculty member, the student pursues an in-depth study of a recent development in the microcomputer field. A research paper is required. *Credit: 1 semester hour.*

1197 Individual Research: Topics in Software

Prerequisite: CUS 1124 and the permission of the Director. This course is designed to provide individualized independent study in computer software and applications. Under the guidance of a faculty member, the student will pursue an in-depth study and implementation of some software application that was not already studied in the work of other courses. A research paper is required. *Credit: 1 semester hour.*

Computer Security Systems (CSS) (Queens)

1001 Introduction to Information Security

An introduction to information security covering basic security concepts including physical and organizational security, intrusion detection, types of attacks, risk management, disaster recovery, security baselines, cryptography, network security, computer forensics, and legal and ethical issues related to security. *Credit: 3 semester hours.*

1002 Cyber Threats and Detection

Prerequisite: CSS 1001. This course will examine protocols, scanners, rootkits, trojans, worms, and viruses as they are used in the commission of a network intrusion. It also provides an overview of prevention and containment of an intrusion incident as well as discussions on the incident response process. *Credit: 3 semester hours.*

1011 Network Security

Prerequisite: TEL 1001, or 1005 or CSS 1001. An examination of the principal methods for maintaining security and integrity of communication transmissions, authentication, and security protocols. Cf. TEL 1023. *Credit: 3 semester hours.*

1012 Network Perimeter Security

Prerequisite: CSS 1001 or TEL 1001 or TEL 1005. This course introduces firewalls and the network security components that can work together to provide an in-depth defensive perimeter around a local area network. Accordingly, this course examines firewalls in context with the other elements needed for effective perimeter security as well as security

within a network. These include packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks, log file maintenance, and intrusion detection systems. Different firewall configurations will also be examined. *Cf. TEL 1024. Credit: 3 semester hours.*

1021 Cyber Law and Ethics

Prerequisite: Any two CSS courses. This course is an introduction to legal protection of identities, properties and privacy in the real-time environment. All current federal and international laws will be studied. *Credit: 3 semester hours.*

1031 Computer Forensics

Prerequisite: CSS 1001. A study of the methods used in computer forensics. Topics include file structures, boot processes, computer forensic tools, digital evidence controls, data acquisition, computer forensic analysis and image file recovery. *Cf. CFR 1001. Credit: 3 semester hours.*

Criminal Justice (CRJ) (Queens, Staten Island)

2000 An Introduction to the Criminal Justice System

This course surveys the American criminal justice system and addresses the individual elements of the justice process. Topics covered in this overview course include: the police service, the courts, correctional services, the development of laws and public policies, and pressing issues facing the criminal justice system. The course also addresses the United States Constitution with respect to criminal justice administration. *Credit: 3 semester hours.*

2001 Theories of Crime

This course examines the problem of crime in contemporary society. Theories and explanations of criminal behavior are analyzed in detail, along with the range of activities that are defined as crimes. SOC 1110 (It is recommended that students take this course and CRJ 2000 during the same semester.) *Credit: 3 semester hours.*

2002 The Police and the Community

Prerequisite: CRJ 2000. This course traces the history of American policing and examines a variety of innovative police models used across the United States. *Credit: 3 semester hours.*

2003 The American Judicial System

Prerequisite: CRJ 2000. This course traces the history of both the federal and state courts and examines the roles of the prosecutor, judge and defense attorney. *Credit: 3 semester hours.*

2004 American Correctional Systems

Prerequisite: CRJ 2000. This course examines the history and development of both institutional and community-based correctional models. *Credit: 3 semester hours.*

2006: Introduction to Cybercrime

This course will provide essential information on the types of crimes classified as cybercrimes. It will outline the emerging area of crime and examine the implications for victims, offenders, and the criminal justice system. A major component of the course will be a focus on the approaches and techniques

used to perpetrate such crimes. *Credit: 3 semester hours.*

3000 Professional Ethics in the Criminal Justice System

Prerequisite: CRJ 2000. This course explores the ethical issues confronting the criminal justice practitioner. *Credit: 3 semester hours.*

3001 Public Policy and Criminal Justice

This course explores the development and implementation of criminal justice policy in the United States. *Credit: 3 semester hours.*

3002 Minority Groups and the Criminal Justice System

An intensive study of ethnic, racial and religious minorities and the criminal justice system. *Credit: 3 semester hours.*

3003 Women and the Criminal Justice System

The emerging status of women in contemporary society has been accompanied by a dramatic rise in the overall participation of women in the criminal justice system. *Credit: 3 semester hours.*

3004 Victimology

The study of the nature and causes of victimization, including the interaction that takes place between the offender and victim. *Credit: 3 semester hours.*

3005 Contemporary Social Problems in the Criminal Justice System

Social problems such as violence, substance abuse, race and ethnic relations and suicide are explored with specific attention given to how these issues impact on the criminal justice system. *Credit: 3 semester hours.*

3006 Research Methods in Criminal Justice

Prerequisite: CRJ 2000. This course will introduce the research methods used in criminal justice and criminology. Emphasis will be on the logic, design, and execution of the research process, including the development of researchable questions and/or hypotheses, collection and analysis of data, and writing of a scientific report. Special attention will be given to the use of computers in the research process. *Credit: 3 semester hours.*

3100 Police Organization and Management

This course examines the organizational design of the contemporary police service and the delivery models used to serve the public. *Credit: 3 semester hours.*

3101 Criminal Investigation

An examination of the steps leading up to the decision to take a suspect into custody. *Credit: 3 semester hours.*

3102 Forensic Psychology

An exploration of the behavioral techniques employed in the criminal justice field. Relevant illustrations from law enforcement and corrections are employed. *Credit: 3 semester hours.*

3103 Introduction to Forensic Science

Prerequisite: CRJ 2000. A course designed to demonstrate and examine physical evidence relevant to criminal or civil investigations. *Credit: 3 semester hours.*

3104 Modern Investigation and Protection Technology

Contemporary developments in scientific devices and techniques that relate to the fields of security, safety and investigation. *Cf.: SEC 1007. Credit: 3 semester hours.*

3105 Juveniles and the Criminal Justice System

The etiology of juvenile delinquency including contemporary techniques in rehabilitation. *Credit: 3 semester hours.*

3106 Drug Abuse in Contemporary Society

An analysis of the current use and abuse of drugs in contemporary society. The problem of crime and its relationship to drugs is studied. *Credit: 3 semester hours.*

3107 Organized Crime

An analysis of organized crime in contemporary society—its extent and influence. *Credit: 3 semester hours.*

3108 International Terrorism

Prerequisite: CRJ 2000 or SEC 1001. A study of the history and causes of the multinational phenomenon of terrorism. *Credit: 3 semester hours.*

3109 Forensic Fire Investigation

This course presents essential knowledge for conducting a forensic fire investigation. It describes the elementary chemistry of combustion and the factors that control fire behavior, including why fire behavior is not precisely predictable. It discusses the fundamental properties of liquid, gaseous and solid fuels as well as electrical, clothing (fabric), hazardous material and vehicular fires and explosions. *Cf.: SEC 1018. Credit: 3 semester hours.*

3110 Forensic Fire Scene Reconstruction

This course presents a methodology for determining the origin, cause and liability of a fire. It involves the identification of a variety of variables common to the fire scene that help establish human activities. The information, placed in context with principles of fire engineering and human behavior, is used to reconstruct the fire scene and evaluate all investigator hypotheses. *Cf.: SEC 1019. Credit: 3 semester hours.*

3112 Reading and Interpretation of Legal Documents

Prerequisite: ENG 1000C and 1100C. An intensive study in the analysis of legal documents. *Credit: 3 semester hours.*

3113 Penal Law

An examination of the penal law of New York State. *Credit: 3 semester hours.*

3114 Criminal Procedure Law

An analysis of the criminal procedure law. *Credit: 3 semester hours.*

3115 The Criminal Justice Adversary System

An in-depth examination of the functions, responsibilities and authority of the criminal justice practitioners in the criminal adversary process. *Credit: 3 semester hours.*

3116 Law of Evidence

A study of the law of evidence, including the statutory and common-law foundations governing the admissibility of evidence in state and federal courts. *Credit: 3 semester hours.*

3117: Cybercrime and the Law

Cybercrime and Law will examine the federal and state laws that address cyber crime and computer intrusion. The focus will be on the key legal issues raised by cyber crimes, as well as the skills needed to understand the constantly evolving cyber law concepts. Among the topics to be addressed are protection of computer software, information access and control, privacy and security. The course will explore specific problems in applying the law to cyberspace in a variety of areas, including content control, and the bounds of jurisdiction. *Credit: 3 semester hours.*

3118: Cybercrime Investigation

This course is designed to provide students with the basic philosophical understanding of the cybercrime investigative process. The new and emerging investigative techniques available to investigate these crimes will be examined. Emphasis will be on the entire investigative process where the consistent flow of information facilitates the application of different scientific methodologies. Topics to be covered include crime scene processing, identification, preservation, collection of physical evidence, and the presentation of digital evidence in court. *Credit: 3 semester hours.*

3120 Probation and Parole

A study of extra-institutional supervision of convicted offenders. Pre-sentence investigation, case-load classification and success prediction. *Credit: 3 semester hours.*

3121 Corrections Law

Prerequisite: CRJ 2000. A survey of legal rights of those convicted and sentenced to prison. *Credit: 3 semester hours.*

3201 American Law Enforcement Practicum

To study and critically examine law enforcement agencies at all levels of government, the role of the law enforcement agent, and the contemporary problems and issues that affect American policing. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only.*

3202 Justice and the D.A.'s Office

Course explains the functions, powers, duties and career opportunities presently existing in local and national prosecuting agencies, including the county D.A.'s, state attorneys general and the U.S. attorneys. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only. (SI)*

3203 Fire and Arson Investigation

Cross reference SEC 1020.

3204 Popular Culture and Criminal Justice

This course familiarizes students with the complex relationship between culture and criminal practices. The course will examine how movies, television, music, magazines and other media sources shape our perceptions about crime, crime control and criminal justice. *Credit: 3 semester hours. Free elective only. Intersession, pre-session and post-session only.*

4000 Special Topics

This seminar course includes an in-depth examination of current issues and problems in the field of justice administration with topics to be announced by the instructor at the time of registration. *(Open only to seniors in CRJ with permission of the Director of the Institute of Criminal Justice.) Credit: 3 semester hours.*

4001 Contemporary Legal Issues in Private and Public Protection

An analysis of legal aspects of private and public protection including the major constraints imposed upon security and public safety operations and personnel by the law. *Cf.: SEC 1002. Credit: 3 semester hours.*

4102 Advanced Forensic Psychology

A course designed to provide the student with knowledge and expertise relevant to the availability of psychological services to be utilized in criminal and/or civil justice systems. *Credit: 3 semester hours.*

4104 Criminal Justice Leadership and Services

Prerequisite: CRJ 3100. An in-depth examination of the role and function of leadership practices and theories and services that support the criminal justice system. *Credit: 3 semester hours.*

4105 Transnational Crime and Criminals

Prerequisite: CRJ 2000. An in-depth study of crimes that cross national borders such as drug smuggling; air and sea hijacking; money laundering; weapons merchants; crime syndicates; environmental crimes; economic crimes. *Criminal justice majors only. Credit: 3 semester hours.*

4106 Comparative Criminal Justice Systems

Prerequisite: CRJ 2000. A comparison of the criminal justice systems in selected European, African, Middle Eastern, North and South American countries. *Credit: 3 semester hours.*

4107 Comparative Police Systems

Prerequisite: CRJ 2000. A study of the various typologies and styles of police systems of the world, including their organization, administration, organizational procedures and behavior. *Criminal justice majors only. Credit: 3 semester hours.*

5000 Criminal Justice Internship

Prerequisite: Permission of the Director of Criminal Justice required. An internship with a selected criminal justice or social agency in the public or private sector. *Credit: 3 semester hours.*

5001 Investigative Internship

Prerequisite: Permission of Director. Interns are assigned to participate in a specific investigative project currently under study by one of the Inspector General Offices within New York City, or any approved criminal justice or social service agency in the public or private sector. *Credit: 3 semester hours.*

5002 Internship in Court Administration

Prerequisite: Permission of the Director of the Institute of Criminal Justice. An intensive investigation of a selected project currently under study by the Office of Court Administrator. *Credit: 3 semester hours.*

5003 Probation and Parole Internship

Prerequisite: Permission of Director. Students involved in this program are assigned to an office of probation in the metropolitan area. *Credit: 3 semester hours.*

5004 Juvenile Advocacy Internship

Prerequisite: Permission of Director. Student interns are assigned to a juvenile advocacy program, sponsored by an agency in the public or private sector that serves youngsters who are in crisis situations. *Credit: 3 semester hours.*

5005 International Criminal Justice Internship

Prerequisite: Permission of the Director. An internship course for students pursuing the minor area of study in international criminal justice. The internship student is assigned to an on-site sponsor agency in the private or public sector in the field of international criminal justice. Hours are arranged. *Credit: 3 semester hours.*

5006 Criminalistics Internship

Prerequisite: CRJ 3103. An internship course for students who are assigned to a sponsor agency in the public or private sector to perform supervised or independent laboratory or field study. *(Hours to be arranged and with the permission of the Director of CRJ.) Credit: 3 semester hours.*

5200 Seminar in Court Administration

A study of selected topics in court administration, including such areas as case flow management, extra, judicial remedies, judicial selection and discipline, jury management. *Credit: 3 semester hours.*

5201 Criminal Justice Counseling

This course is a survey of various counseling, interviewing classifying and testing techniques within the criminal justice system. Specific areas will include critical incident debriefing, post traumatic stress disorder, brief psychotherapy and use of community resources. *Credit: 3 semester hours*

5202 Criminal Justice Practicum

Prerequisite: CRJ 2000 and the permission of the instructor. This course examines critically the various components of the American criminal justice system at all levels of government, the function and role of the practitioners within these components and the contemporary problems and issues that affect criminal justice. *Open to criminal justice baccalaureate students above the freshman level. Credit: 3 semester hours.*

5203 Advanced Criminalistics

Prerequisite: CRJ 3103. Course focuses on the role of the criminalist in the specializations of serology, trace evidence and document examinations. *Credit: 3 semester hours.*

6000 Criminal Justice Honors Research

An individualized program of research and readings dealing with contemporary topics in the area of justice administration under the direct supervision of a criminal justice faculty member. Conferences and a research paper are required. *Open only to junior or senior criminal justice majors who have at least a 3.2 major index and a 3.0 overall index. Credit: 3 semester hours.*

6001 Criminal Justice Honors Internship

Prerequisite: Permission of Director required. An internship with a selected justice administration or social service agency in the public or private sector. *Open only to senior Criminal Justice majors who have a 3.5 index in two-thirds of courses completed in the major area (24 credits) and an overall index of 3.3.) Credit: 3 semester hours.*

1081 Independent Study

Prerequisite: Permission of the Director of Criminal Justice. Independent study. Under the guidance of a faculty member, student pursues an in-depth study of the criminal justice field or participates in a criminal justice project. *Credit: 3 semester hours. Free elective.*

Cyber Forensics (CFR)

(Queens)

1001 Computer Forensics

Prerequisite: CSS 1001. A study of the methods used in computer forensics. Topics include file structures, boot processes, computer forensic tools, digital evidence controls, data acquisition, computer forensic analysis and image file recovery. *Cf: CSS 1031. Credit: 3 semester hours.*

1002 Introduction to Network Forensics

Prerequisite: CSS 1001. Fundamentals of computer networking and the layered protocol architectures, detection and prevention of intrusion and attack, digital evidence collection and evaluation, and the legal issues involved in network forensic analysis. Documented cyber crimes and intrusion records will be used as case studies. The course emphasizes both the conceptual models and the hands-on experience of using tools with the Internet and the Web browsers as the underlying media. *Credit: 3 semester hours.*

1005 Management of Digital Evidence

Prerequisite: CFR 1001 or CFR 1002. A study of the methodology used to handle and capture digital evidence in a legal manner. The course examines where digital evidence can be located, how it should be preserved free from contamination, how it may best be analyzed, and how to present it in statements, affidavits, and court proceedings. *Credit: 3 semester hours.*

Economics (ECO)

(Queens, Staten Island)

1001 Principles of Economics I

Introduction to the fundamentals of the economic system. The "macroeconomic" approach to employment, prices and economic stability. *Credit: 3 semester hours.*

1002 Principles of Economics II

Prerequisite: ECO 1001. Microeconomic analysis involving relative price determination in individual product and factor markets. Selected topics: problems of monopoly, trade and efficiency. *Credit: 3 semester hours.*

1003 Elementary Money and Banking

Prerequisite: ECO 1002. A survey of the principles of money and credit. *Credit: 3 semester hours.*

1006 Personal Finance

A study of the techniques of personal financial management, including the financial considerations involved in the acquisition, preservation and disposition of real and personal property. *Open to baccalaureate students only. Credit: 3 semester hours.*

1011 Development of American Business Enterprise

Prerequisite: ECO 1002. A survey of the forces contributing to the development of American business enterprise, culminating in the growth of multinational corporations. Special focus is on the diverse and evolving forms of market structure, behavior and industry life cycles. *Open to baccalaureate students and A.S. business majors (except accounting). Credit: 3 semester hours.*

1014 Personal Investing

A description and analysis of the major institutions of and instruments of personal investing. Discussions are tailored to the needs of individuals with differing financial backgrounds and requirements. *Open to baccalaureate students only. Credit: 3 semester hours.*

1015 Economic History of the Western Community

Evolution of the Western economic system from the middle of the 16th century to the present: the agricultural revolution, impact of technological change, organization of trade and commerce, the diffusion of international trade, demographic changes, and the role of government in economic development. *Credit: 3 semester hours.*

1018 Business and Economic Forecasting

Prerequisites: ECO 1001 and 1002 and MTH 1004 or equivalent. A survey of how forecasters look into the future using scientific forecasting techniques. Coverage includes the fundamental techniques used in business, government and research institutions. Topics include the forecasting of sales and interest rates. *Open to baccalaureate students only. Credit: 3 semester hours.*

1019 Business Networking in New York City

NYC has an abundance of vitally important domestic and international economic institutions. Foremost in this group are the New York and American Stock Exchanges, the Federal Reserve Bank of New York and world headquarters of many multinational banks. Each institution plays a critical role in the domestic and/or world economy. In this course students gain first-hand knowledge of these and other institutions through on-site visits and interviews. *Credit: 3 semester hours. Free elective only. Intersession and Pre-Session only.*

1020 The Economics of Crime

The tools of economic analysis applied to crime, criminal behavior and the criminal justice system. Topics include the economic model of criminal behavior and penology. Special attention focuses on: white collar crime, gambling and the underground economy, especially the drug trade. Also considered is the cost effectiveness of the criminal justice system. *Open to baccalaureate students only. Credit: 3 semester hours.*

1021 Women's Economic Emergence

An investigation into the economic lives of women, the changes brought about by their steadily increasing labor force participation and its implications for policies formulated to make the workplace more equitable. This course is a component of the women's studies minor. *Open to all students as an elective only. Credit: 3 semester hours.*

1022 International Economics

Prerequisite: ECO 1001. An introductory study of theories and issues of international trade, commercial policies, tariff and other trade restrictions, foreign investment and multinational corporations, foreign exchanges and balance of payment adjustment, international financial institutions and systems and regional trade organizations. *Open only to baccalaureate students. Credit: 3 semester hours.*

1023 Great Thinkers in Economics:**Past and Present**

Prerequisite: ECO 1001. A survey of the contributions made by major thinkers in economics. The ideas of the pre-classical and classical economists and Marx, Marshall and Keynes, as well as contemporary economists are considered. *Open to all students as an elective only. Credit: 3 semester hours.*

1024 The Economic Aspects of Discrimination in the United States

Prerequisite: ECO 1001. This course explores the economic history of discrimination from the U.S. colonial period to the present and the legislation in the area. The impact of discrimination on wages, productivity, education, housing, immigration, aging, income, unionism and occupational patterns in the U.S. economy are also examined. *Credit: 3 semester hours.*

1025 Contemporary Economic History of Latin America and The Caribbean

The economic history of Latin America and Caribbean countries deals with their disparate experiences. It investigates their colonial past with a view to understanding their economic underdevelopment. It also looks at the role of multinational corporations in analyzing the countries' economic performance. *Credit: 3 semester hours.*

1026 Economic and Financial Institutions of The Caribbean and Latin America

Prerequisites: ECO 1001; 1022. A survey of the economic and financial institutions of the Caribbean and Latin America. Topics include industrial, agricultural and trade practices and policies. The role of trade in development is also considered, as is the role of international organizations in the promotion of economic development. Public policies toward business are analyzed. *Credit: 3 semester hours.*

1027 Economic and Financial Institutions in Europe

Prerequisites: ECO 1001, 1022. A survey of the economic and financial institutions of the nations of Europe, with particular emphasis on how they interface with the Common Market. Money and capital markets are considered, along with industrial, agricultural and trade practices and policies. *Credit: 3 semester hours.*

1028 Contemporary Economic History of the Pacific Rim

This course traces the modern socioeconomic forces that have propelled the Pacific Rim countries into a high-growth path. It gives students a deeper understanding of the dynamic trajectories of the societies in this region and provides insights into possible developments of the global economy into the 21st century. *Credit: 3 semester hours.*

1029 Economic and Financial Institutions of the Pacific Rim

Prerequisites: ECO 1001; ECO 1022. A survey of the economic and financial institutions of the Pacific Rim countries with emphasis on Japan. Topics include money, capital and foreign exchange markets; industrial and trade practices and policies; the banking systems. Public policies toward business are also discussed and analyzed. *Credit: 3 semester hours.*

1040 Economics in Films

From *A Christmas Carol* to *Wall Street*, millions of people have seen films that promote economic ideas and philosophies. Surveys those popular films to determine the validity of their economic content. Films viewed and the economic content identified and critically evaluated. *Credit: 3 semester hours.*
Free elective only. Pre-session course.

2001 The Economics of the European Union

Examines the economic and political policies and processes of the European Union. This course looks at the history and institutions of the EU. Topics discussed are European monetary policy, the role of the European Central Bank, the new currency, the euro and trade and competition policy. The reasons why some countries opted out of using the euro and why some countries have not met the criteria for the adoption of the euro are also examined. *Prerequisites: None. This is a non-technical course. Credit: 3 semester hours.*

English (ENG)

(Queens, Staten Island)

1000C English Composition

See description under University Core courses.
Credit: 3 semester hours.

1100C Literature in a Global Context

See description under University Core courses.
Credit: 3 semester hours.

1001 Effective Strategies for Writing Fiction and Non-Fiction

Prerequisite: ENG 1000C and ENG 1100C. Students have an opportunity to refine their writing skills. This course is NOT a substitute for any required composition and literature courses. *Credit: 3 semester hours.*

1006 Effective Business Writing

Prerequisite: ENG 1000C and ENG 1100C. An intensive study of business communication and the essentials of business report writing. *Open to baccalaureate students as a business or free elective only. Credit: 3 semester hours.*

1007; 1008 Survey of American Literature

Prerequisite: ENG 1000C and ENG 1100C. Covers the literature and historical backgrounds of America, beginning with the New World and extending through colonial America, the 18th century and concluding with the literature of the American Renaissance (1836–1865). The second semester (1008) extends from 1865 to the present. *Credit: 3 semester hours.*

1009; 1010 Survey of English Literature

Prerequisite: ENG 1000C and ENG 1100C. A survey of the literary trends and significant writers in the development of English literature from the Anglo-Saxon period to the neo-classical period and, in the second semester, from the Age of Wordsworth to the 20th century. *Credit: 3 semester hours.*

The following elective courses are scheduled on a rotating basis to provide students with a variety of choices each semester. Students should consult course schedules at registration periods to determine term and summer offerings.

1011; 1012 Literature of the Western Civilization

Prerequisite: ENG 1000C and ENG 1100C. A study of the masterworks of European literature (in translation). First semester: From the ancient Greeks to the early Renaissance. Second semester: From the late Renaissance to the 20th century. *Credit: 3 semester hours.*
(Students may not receive credit for both ENG 2000 and 1011 or ENG 2001 and 1012.)

1014 Representative Plays of Shakespeare

Prerequisite: ENG 1000C and ENG 1100C. This course entails reading selected plays of Shakespeare; a critical, historical and aesthetic study of the works chosen. *Credit: 3 semester hours.*

1015 Twentieth Century Drama

Prerequisite: ENG 1000C and ENG 1100C. A study of the major changes in the content of modern dramatic literature that have modified classical and Renaissance drama and given rise to new forms, from Ibsen to Brecht. *Credit: 3 semester hours.*

1016 The English Novel 1700–1870

Prerequisite: ENG 1000C and ENG 1100C. A study of the development of the English novel from its earliest stages to the late Victorian period. *Credit: 3 semester hours.*

1017 The Modern Novel

Prerequisite: ENG 1000C and ENG 1100C. A study of the novel as a modern genre, with special emphasis on critical approaches to characterization, theme and structure. *Credit: 3 semester hours.*

1018 Modern Poetry

Prerequisite: ENG 1000C and ENG 1100C. A study of the major tendencies, themes and techniques in modern American and British poetry; an introduction to different critical approaches in interpreting modern poetry. *Credit: 3 semester hours.*

1021; 1022 Masterworks of Black Writers I and II

Prerequisite: ENG 1000C and ENG 1100C. 1021: A critical survey of African American Literature from Colonial times to the Civil War. 1022: A survey of African American literature from Reconstruction to the present. *Credit: 3 semester hours.*

1024 The Short Novel in World Literature

Prerequisite: ENG 1000C and ENG 1100C. This course is designed to acquaint the student with the short novel and to develop an appreciation for this form. *Credit: 3 semester hours.*

1025 Literature and Mythology

Prerequisite: ENG 1000C and ENG 1100C. A basic premise of this course is that literary plots, characters, themes and images are basically complications of similar elements in myths and folktales. This course examines the appearance in literature of various archetypal characters as well as a number of mythical patterns. *Credit: 3 semester hours.*

1027 Contemporary Literature

Prerequisite: ENG 1000C and ENG 1100C. An introduction to the novel, short fiction and poetry of the period from the 1950s to the present. *Credit: 3 semester hours.*

1029 The Short Story

Prerequisite: ENG 1000C and ENG 1100C. An examination of strategies and techniques of short fiction from its modern beginnings with Poe and Hawthorne to the works of contemporary writers. *Credit: 3 semester hours. ENG 3550.*

1030 Literature Seminar

Prerequisite: ENG 1100C and six credits of literature. Professor and course content to be announced prior to registration. A special literary challenge in areas not covered by current courses. *Credit: 3 semester hours.*

1031 Themes in Literature

Prerequisite: ENG 1000C and ENG 1100C. Professor and course content to be announced prior to registration. A particular theme is explored (e.g., the theme of love in modern literature). *Credit: 3 semester hours.*

1045 Sleuths, Spies and Thrillers

Prerequisite: ENG 1000C and ENG 1100C. This course examines the conventions of detective and spy stories, traces their sources in earlier fiction and myth, and demonstrates how serious writers have used these genres in their own fiction. *Intersession only: Free elective. Credit: 3 semester hours.*

1050 Gothic Literature

Prerequisite: ENG 1000C and ENG 1100C. Explores a special, fascinating category of literature, the novel of terror and supernaturalism as it developed from the early 18th century, continued through the 19th and into the 20th century. *Credit: 3 semester hours.*

1051 Fantasy in Fiction

Prerequisite: ENG 1000C and ENG 1100C. This course attempts to answer the questions, What is fantasy? What are its values as literature? by examining the varieties of fantastic literature and considering recent theoretical speculations on its special nature. *Credit: 3 semester hours.*

1052 The Bible as Literature

Prerequisite: ENG 1000C and ENG 1100C.
An examination of the Bible as literature and its influence on a number of modern writers.
Credit: 3 semester hours.

1053 The Literature of Mystery and Detection

Prerequisite: ENG 1000C and ENG 1100C.
This form of literature is examined from three perspectives: a historical survey of representative, classic works in the genre; a consideration of the value and use of “popular” literary types; and an analysis of the fictional detective hero.
Credit: 3 semester hours.

1054 Tragedy and Comedy

Prerequisite: ENG 1000C and ENG 1100C.
An exploration of tragedy and comedy as forms of drama, examining classical and contemporary definitions of the terms through readings and discussions.
Credit: 3 semester hours.

1055 Literature of Satire

Prerequisite: ENG 1000C and ENG 1100C.
Students read a wide variety of satirical literature—poems, plays, and novels—from the classical to the contemporary period. *Credit:* 3 semester hours.

1057 The Mythological Tradition

Prerequisite: ENG 1000C and ENG 1100C.
This course assumes no previous knowledge of classical mythology or mythological literature. It demonstrates the connections between myth, literature, art and music. *Credit:* 3 semester hours.

1058 Literature, Film and Visual Media

Prerequisite: ENG 1100C. This course examines the mutual influences that literature and visual media have exerted on one another in the 20th century. *Fee:* \$30. *Credit:* 3 semester hours.

1059 Introduction to Islamic Literature

Prerequisite: ENG 1000C and ENG 1100C.
A survey of the origins of Islam, considering the nature of Allah's call to Muhammad and the subsequent westward spread of the movement. *Credit:* 3 semester hours.

1060 Utopian Literature

Prerequisite: ENG 1000C and ENG 1100C.
A general survey of ideas and idealists through detailed study of selected masterpieces in the field. *Credit:* 3 semester hours.

1061 Madness in Modern Literature

Prerequisite: ENG 1000C and ENG 1100C.
The course considers the 20th century's fascination with irrationality in the arts.
Credit: 3 semester hours.

1062 Medieval Storytelling: Epic Romance and History

Prerequisite: ENG 1000C and ENG 1100C.
This course examines a variety of narrative types important in the Middle Ages: epic (chanson de geste), romance, lai, saga and romance compilation. They range in time from around 1100 to 1470 and represent diverse literary cultures. *Credit:* 3 semester hours.

1064 The American Novel

Prerequisite: ENG 1000C and ENG 1100C.
A study of the development of the novel in America from its origins to the present as represented in selected works.
Credit: 3 semester hours.

1065 Critical Approaches to Literature

Prerequisite: ENG 1000C and ENG 1100C.
Students consider traditional and contemporary critical theories—including biographical, historical, genre, formal, psychological and reader-response criticism.
Credit: 3 semester hours.

1066 The Theater of the Absurd

Prerequisite: ENG 1000C and ENG 1100C.
A study of selected plays by such writers as Beckett, Genet, Pinter and Albee reflecting the contemporary existentialist view of life in the modern world. *Credit:* 3 semester hours.

1067 Visualizing American Literature

Prerequisite: ENG 1000C and ENG 1100C.
A study and comparison of selected readings from various periods of American literature with counterparts in the visual arts (especially painting, theater and film). *Intersession only. Free elective. Credit:* 3 semester hours.

1068 Women's Voices in Literature

Prerequisite: ENG 1000C and ENG 1100C.
Students are acquainted with major works of literature by and about women, including fiction and poetry. Works from a variety of cultural backgrounds are represented.
Credit: 3 semester hours.

1069 The Literature of Ireland from the Irish Revival (1890s) to the Present

Prerequisite: ENG 1000C and ENG 1100C.
Representative drama, fiction and poetry read and analyzed. The course begins with an examination of works from the Irish Literary Revival in the 1890s, and concludes with attention to the literary voices of modern Ireland. *Credit:* 3 semester hours.

1070 Literature of the American South

Prerequisite: ENG 1000C and ENG 1100C.
This course focuses on the great writers of the South, whose masterpieces reflect the geography, history, politics, culture and attitudes of that region so unique in the American experience. *Credit:* 3 semester hours.

1072 The Fairy Tale in Literature and Film

Prerequisite: ENG 1000C and ENG 1100C.
This course will examine the fairy tale tradition in literature, especially through the collection of fairy tales by Giambattista Basile, Charles Perrault, the Brothers Grimm and Hans Christian Andersen. It will also consider reworkings and new creations of this form by modern practitioners, especially women. Attention will be paid to the way the more popular versions of some of these tales have been translated into commercial films and TV shows. *Credit:* 3 semester hours.

2000 Literature and Culture: Classics of Continental and British Authors from Ancient Times to the Early 16th Century

Prerequisite: ENG 1000C and ENG 1100C.
This course embraces the acknowledged literary masterworks of Western civilization from Homer to Cervantes. Representative works by Continental and British writers are studied. *Credit:* 3 semester hours.

2001 Literature and Culture: Classics of Continental, British and American Authors from the Early 17th Century to the Present

Prerequisite: ENG 1000C and ENG 1100C. This course continues the study of masterworks by Continental, British and American authors from Moliere to the present. Major intellectual and cultural developments are studied.
Credit: 3 semester hours.

Honors English

The following Honors English courses are available only to students in the Honors Program or to students with at least a 3.3 GPA.

HON 2012; 2014 Great Books of the Western World I and II

Prerequisite: ENG 1000C and ENG 1100C. The first semester studies major books of Western civilization (in translation) from the ancient world to the Renaissance. The second semester begins with works from the Enlightenment and concludes with 20th-century masterpieces. *Credit:* 3 semester hours. (*Students may not receive credit for both HON 2012 and ENG 1011 or HON 2014 and ENG 1012.*)

HON 2016 Seminar: American Literature

Prerequisite: ENG 1000C and ENG 1100C. Four to six major American authors, ranging from the 18th century to the present, are studied intensively. *Credit:* 3 semester hours. (*Students cannot receive credit for HON 2016 and either ENG 1007 or 1008.*)

HON 2018 Seminar: British Literature

Prerequisite: ENG 1000C and ENG 1100C. Four to six major British authors are studied intensively. *Credit:* 3 semester hours. (*Students cannot receive credit for HON 2018 and either ENG 1009 or 1010.*)

Fine Arts (FNA)

(Queens)

1001 Appreciation and Understanding of Art

An introduction to the visual arts provides an understanding and appreciation of the masterpieces of painting, sculpture and architecture from antiquity to the present. Works of art are studied in terms of their basic organizational concepts, meanings, historical relationships and expressive power.
Credit: 3 semester hours.

Funeral Service Administration (FSA) (Queens, Staten Island)

The major area courses in funeral service administration are taken at the American Academy McAllister Institute of Funeral Service (AAMI) in Manhattan. Students must complete one year of full-time study or the equivalent of 30 semester hours of credit at St. John's University before being permitted to register for course work at the American Academy McAllister Institute of Funeral Service. Each student must achieve at least a 2.0 index (C average) in his or her 30 semester hours. Upon successful completion of the Standard Diploma Program offered by the McAllister Institute, a student may receive 42 credits toward the Bachelor of Science degree in funeral service administration.

Students who successfully complete the A.O.S. degree, which includes the Standard Diploma Program at the McAllister Institute, may receive a total of 48 credits toward the Bachelor of Science degree in funeral service administration. Please refer to the AAMI bulletin for current course information. The following courses are included in the Standard Diploma Program at AAMI:

Public Health and Technical Content Area

122 Chemistry for Embalmers

Prerequisite: Introduction to Chemistry 121. Introduction to organic chemistry including a survey of the classes of organic compounds of concern to the embalmer; the nature of decomposition; formulation of embalming fluids and function of the various components; introduction to toxicology and its importance. *Credit: 2 semester hours.*

131 Principles of Embalming

Introduction to embalming; historical and contemporary perspectives; moral, ethical and legal considerations; terms associated with death; types, signs and tests for death; pre-embalming changes, diagnosis and techniques; instruments utilized in basic embalming. *Credit: 2 semester hours.*

132 Principles of Embalming

Prerequisite: Embalming 131. Factors influencing fluid distribution and drainage; types of embalming fluids; composition and usage; vascular anatomy including linear and anatomical guides. *Credit: 2 semester hours.*

133 Principles of Embalming

Prerequisite: Embalming 131, 132. Care analysis and treatment of special problem cases; local, state, and national (OSHA) regulations and requirements are examined. *Credit: 2 semester hours.*

121 Clinical Embalming

Prerequisite: Embalming 131. Demonstrations and practical applications of Principles of Embalming 131 and 132 under the supervision of faculty instruction at the Bellevue Morgue facility. *Credit: 1 semester hour.*

122 Clinical Embalming

Prerequisite: Embalming 131, 132; Clinical Embalming 121. Demonstrations and practical applications of Principles of Embalming 131, 132 and 133 under the supervision of faculty instruction at the Bellevue Morgue facility. *Credit: 1 semester hour.*

122 Pathology for Embalmers

Prerequisite: Introduction to Pathology 121; Introduction to Microbiology 121, Microbiology for Embalmers 122; Anatomy 131, 132. Principles of special pathology applied to the study of disease of the various organ systems, emphasizing those creating specific embalming problems; introduction of forensic pathology and the importance of the autopsy as a tool in medical instruction and research. *Credit: 2 semester hours.*

122 Microbiology for Embalmers

Prerequisite: Introduction to Microbiology 121. Study of yeasts, molds, protozoa and viruses and their role in disease and decomposition; methods of communicable disease control and prevention; the role of the practitioner in promotion of public health; basic concepts in vital statistics; death rates and their impact on funeral service; major causes of death, emphasis given to disinfection and sanitary safeguards in the preparation room. *Credit: 3 semester hours.*

121 Restorative Art

Principles of color theory in pigments, vision and illumination; principles of cosmetology; consideration of cosmetic media; complexion types and deviations from normal complexion types; introduction to the influence of bony structures upon surface forms; facial proportions and variations in head form and their effect upon physiognomy. *Credit: 2 semester hours.*

122 Restorative Art

Prerequisite: Restorative Art 121. Practical consideration of restorative techniques; special problems caused by abrasions, burns, lacerations, excision, etc., are discussed and treatment presented; modeling techniques and practical application. *Credit: 3 semester hours.*

Business Management Content Area

121 Accounting

This course introduces the fundamental accounting equation and its application to accounting theory. The accounting equation and the accounting cycle are presented as well as the format and preparation of the books of account, and the presentation of financial statements. *Credit: 2 semester hours.*

122 Accounting

Prerequisite: Accounting 121. This course discusses areas of responsibility accounting. Topics include special journals, subsidiary ledgers, banking procedures, payroll procedures, petty cash and other cash procedures. The course concludes with a study of ratio analysis. *Credit: 3 semester hours.*

121 Funeral Service Principles

Introduction to basic services performed by the funeral director from first call to final disposition of the deceased; survey of ceremonies and procedures of various religious, fraternal and other organized groups; interprofessional relationships with clergy, medical personnel and public agencies; the dual role of the funeral director as an effective caregiver and manager; business, social and ceremonial etiquette. *Credit: 2 semester hours.*

122 Funeral Service Principles

Prerequisite: Funeral Service Principles 121. Federal Trade Commission regulations; filing of death certificates and other legal forms; special consideration for medical examiner cases; glossary of funeral service terminology; funeral home management and insurance; and funeral service practice. *Credit: 3 semester hours.*

101 Small Business Management

This course explores the managerial responsibilities of planning, organizing, staffing, directing and controlling for a successful operation. Management issues affecting the funeral director are discussed. *Credit: 2 semester hours.*

101 Computer Applications to Funeral Service

Overview of basic computer concepts and understanding of applications of computer science to funeral service; lectures and hands-on computer science laboratory practice; advantages of a computer as a business tool. *Credit: 2 semester hours.*

Social Science Content Area

101 Principles of Counseling the Bereaved

The bereavement process and special life problems associated with it; definitions of counseling; grief reactions; crisis intervention; the ABC method of counseling; family typology; self-actualization; facilitating communication. *Credit: 3 semester hours.*

101 General Psychology and the Dynamics of Grief

Focus upon human behavior and the influences that create it; an examination of the psychological aspects of behavior as it relates to mental health, maturation and interpersonal relationships; identification of grief reactions and the role of the funeral director as a major referral source and caregiver; discussion and review of topics, literature and resources for the bereaved. *Credit: 2 semester hours.*

101 Thanatology and Society

Historical growth and development of death concepts, mourning and funeral practices from early to modern Western civilization; salient concepts relevant to funeral service are explored and related to the daily practice of the funeral director. *Credit: 1 semester hour.*

101 History of Funeral Service

Early mortuary behavior including funeral customs of ancient civilizations; death and burial through the Middle Ages and renaissance; rise of American funeral behavior from early colonial practices to the development of embalming and funeral transportation; pattern of late nineteenth-century funerals; institutional growth and contemporary funeral practice. *Credit: 2 semester hours.*

201 Introduction to Funeral Service Arts

Consideration of the many-sided role of the funeral service practitioner and the demands placed upon the licensee by law, customs and backgrounds of the clients served; sources from which support and understanding can be derived. *Credit: 2 semester hours.*

201 Death and Human Development

An examination of death and coping skills that are developed at each stage of life; the special problems surrounding the loss of a member of the nuclear family and those major supporters of the bereaved; a major focus of the understanding of grief by the funeral director to cultivate a sensitivity to those in mourning at each stage of development. *Credit: 2 semester hours.*

Legal, Regulatory and Ethical Content Area**101 Business Law**

Nature and development of law, emphasizing the broad field of contracts, their nature, classification, operation and effects; negotiable instruments and sales. *Credit: 2 semester hours.*

101 Mortuary Law

Prerequisite: Business Law 101. Bailments, agency, partnership, insurance, wills, burial rights and obligations, rights and wrongs concerning the body and burial; cemetery law, zoning restrictions and damages. *Credit: 2 semester hours.*

101 State Rules and Regulations

Prerequisite: Funeral Service Principles 122. Introduction to the specific laws, rules and regulations governing the practice of embalming and funeral directing; licensing procedures. *Credit: 1 semester hour.*

101 Professional Ethics

Individual development and evaluation of funeral service professional system of ethics; professional ethics in community relationships; ethics in regard to the deceased; ethics within funeral service operations; factual and dignified publicity and promotion procedures; pre-arrangement ethics; pre-finance ethics; education; competitor relationships; associations. *Credit: 1 semester hour.*

General Education Content Area**201 Introduction to Science**

Orientation in the basic practitioner principles necessary to the funeral service practitioner emphasizing their relevance to future successful practice. *Credit: 2 semester hours.*

201 Emergency Care

Preparation of the funeral director to meet emergency situations. Completion of the course leads to Red Cross certification. *Credit: 2 semester hours.*

201 Public Speaking

Lectures and workshops that focus on the development of oral communication; emphasis placed on proper use of voice and body gestures, development of listening habits; students are helped to feel more comfortable with the art of public speaking. *Credit: 2 semester hours.*

201 English

Fundamentals of English composition coupled with business theories and practices that underlie elective correspondence. The student receives practice in composing many types of business letters. Emphasis is also placed on career-specific communication. *Credit: 2 semester hours.*

201 Principles of Mathematics

This course develops arithmetic concepts and skills, particularly in the areas of whole numbers, fractions, decimals and percents, and problem solving skills, especially in the determination of the mathematical calculation of the cost of a funeral service contract. *Credit: 3 semester hours.*

121 Introduction to Chemistry

Basic concepts such as structure and forms of matter; the nature of chemical changes; chemical nomenclature; use of symbols; formulas and equations; consideration of selected topics such as oxidation-reduction, solutions, ionizations, acidity and alkalinity, diffusion and osmosis. *Credit: 2 semester hours.*

121 Introduction to Pathology

Prerequisite: Anatomy 131; Introduction to Microbiology 121. Introduction to general pathology; nature of disease and its effect on the human body, including inflammation, degenerative changes, necrosis, disturbances in circulation and neoplasms. *Credit: 2 semester hours.*

121 Introduction to Microbiology

Study of the structure and functions of microorganisms; influence of environmental factors on their growth and their role in disease; survey of the pathogens and diseases they cause; factors concerned with infection and the defense mechanisms of the human body. *Credit: 3 semester hours.*

131 Anatomy

Introduction to terminology and terms of reference used in anatomical description; preliminary discussion of tissues, organs and organ system; vascular system, including heart, blood vessels, lymphatics; musculature system. *Credit: 4 semester hours.*

132 Anatomy

Prerequisite: Anatomy 131. A detailed study of the skeletal system including the histology of bone. Splanchnology of the digestive system in terms of its gross anatomy with some discussion of histology and physiology. *Credit: 2 semester hours.*

133 Anatomy

Prerequisites: Anatomy 131, 132. Splanchnology of the respiratory and excretory systems. Study of the nervous, endocrine, integumentary and reproductive systems. Introduction of pre-natal development. Each system is described in terms of its gross anatomy with some discussion of histology and physiology. *Credit: 2 semester hours.*

Health Services Administration (HSA) (Queens)**1002 Introduction to Health Services Administration**

Problems and processes of management. Emphasis is placed on the principles and practices of management and the functions of the executive with attention to the unique, complex organizational structures and relationships of diverse health facilities, including governmental, voluntary non-profit, and proprietary institutions. *Credit: 3 semester hours.*

1003 Ethical Issues in Health Care

This course involves an in-depth analysis of ethical issues in health care, including end-of-life decisions, organ retrieval and donation, informed consent, medical experimentation, reproductive issues, and confidentiality in testing. Management practices involving decision making, resource allocation, conflicts of interests, and codes of professional ethics are also examined. Principles of ethical reasoning from various philosophical schools are explored. *Credit: 3 semester hours.*

HSA 1004: The Health Care Labor Force and the Use of Technology

This course examines the occupational composition, training, credentialing and responsibilities of the health care labor force. The education and specialization of physicians and other independent practitioners and allied health personnel are also studied. The nature and purpose of selected medical tests, instruments, treatments and procedures are explored and relevant medical terminology is introduced. *Credit: 3 semester hours.*

1005 Human Resource Administration of Health Agencies

The human problems involved in supervisory leadership, dealing with formal and informal groups, the aspects of cooperation, discipline, friction, motivation, job satisfaction and morale. Special attention to the unique, relationships of diverse health professionals; educational, certification and licensure backgrounds and requirements will be stressed. *Credit: 3 semester hours.*

1011 Legal Aspects of Health Organizations

Prerequisite: BLW 1001. Presentation and examination of statutes, cases and readings in law related to health care providers and organizations. *Credit: 3 semester hours.*

1012 Financial Administration of Health Care Institutions

This course examines the nature and interpretation of health care financial management and health care financial reports, including techniques of financial planning and control, budgeting, inventory control, third-party reimbursement and capital planning in hospitals and other health care settings. *Credit: 3 semester hours.*

1013 Advanced Financial Administration of Health Care Institutions

Prerequisite: HSA 1012. Applies the foundation concepts of the introductory course HCA 1012 to financial report writing and report analysis. The most current finance concepts in health care delivery, such as insurance industry systems and integrated delivery systems, are studied and analyzed. Managed Care financial models and their effect on the delivery of and access to health care are examined. *Credit: 3 semester hours.*

1016 Health Care Planning

An examination of the concepts and tools of health planning. Topics include determination of catchment areas, facility and program planning on an institutional level and needs assessment on a community basis. The role of area-wide planning agencies and the political environment in which planning occurs are analyzed. *Credit: 3 semester hours.*

1020 Advanced Health Services Administration

Prerequisites: HCA 1002 and HCA 1012. Examination of selected problems in managing health care organizations. Emphasis on health care institutions through review of current research and available case studies. *Open to HSA juniors and seniors only. Credit: 3 semester hours.*

1021 Health Program Evaluation

Prerequisite: HCA 1100 and 1101. The uses of evaluation as part of health program development and as a management tool to analyze the efficiency, effectiveness, and impact of health programs. Various analytic approaches and design techniques studied. *Credit: 3 semester hours.*

1023 Internship in Institutional Health Services Administration

Prerequisite: Permission of the Director and HSA 1002. HSA seniors are provided with an opportunity to gain practical experience in a health care institution. Students are required to maintain an administrative log of activities and to periodically meet with the supervisor and course instructor to evaluate experience in addition to submitting a written evaluation at the completion of the internship. *Credit: 3 semester hours.*

1024 Internship in Institutional Health Services Administration

Prerequisite: Permission of the Director and HCA 1002. *Credit: 6 semester hours.*

1025 Internship in Health Service Organizations

Prerequisite: Permission of the Director and HSA 1002. HSA seniors are provided with an opportunity to gain practical experience in a health care service, agency or organization. Students are required to maintain an administrative log of activities and to periodically meet with the supervisor and course instructor to evaluate experience in addition to submitting a written evaluation at the completion of the internship. *Credit: 3 semester hours.*

1026 Internship in Health Service Organizations

Prerequisite: Permission of the Director and HSA 1002. *Credit: 6 semester hours.*

1027; 1028 Senior Extended Internship in Institutional Health Services Administration

Prerequisite: For 1027: Permission of the Director and HSA 1002. 1027 is a prerequisite for 1028. HSA seniors gain practical experience in a health care institution. Students must maintain an administrative log of activities and periodically meet with the supervisor and course instructor to evaluate experience in addition to submitting a written evaluation at the completion of each semester. *(This is a two-semester internship.) Credit: 3 semester hours.*

1029; 1030 Senior Extended Internship in Health Services Organizations

Prerequisite: For 1029: Permission of the Director and HSA 1002. 1029 is a prerequisite for 1030. HSA seniors gain practical experience in a health care agency or organization. Students must maintain an administrative log of activities and periodically meet with the supervisor and course instructor to evaluate experience in addition to submitting a written evaluation at the completion of each semester. *(This is a two-semester internship.) Credit: 3 semester hours.*

1031 Occupational Health and Industrial Hygiene

Consideration of the environment inside public and private institutions. Health programs, industrial safety, occupational health hazards and industrial health administration are topics for discussion. *Credit: 3 semester hours.*

1032 Environmental Health Control

The function of government and private agencies in regulating our environment. The role of public health and other agencies' inspectors. Analysis of the quality of air, water, food, sanitation, toxic wastes and other factors affecting pollution levels. *Credit: 3 semester hours.*

1033 Drugs: Legal and Illegal; Use and Abuse

Overall study of contemporary use and abuse of legal and illegal substances including alcohol, tobacco, prescriptions and "over-the-counter" medicines, narcotics, mood-changers, hallucinogens and synthetics. The effects on individuals and society and the roles played by diverse participants. *Credit: 3 semester hours.*

1034 Drug Programs and Control

The diversified approaches to drug control are explored, including programs designed to maximize the effectiveness of each approach, both individually and organizationally. Laws and governmental and private agencies involved with each type of program are investigated. *Juniors and seniors only. Credit: 3 semester hours.*

1035 Ambulatory Care: Organization and Administration

Prerequisite: HSA 1002. An examination of affiliated and non-affiliated, connected and free standing ambulatory care centers; their organizational diversities and styles of administration. Included are pre-paid and fee-for-service arrangements, community outreach programs, venture capital needs, governmental regulations and agencies' interests, public and private responses to the community. *Credit: 3 semester hours.*

1036 Introduction to Epidemiology and Public Health

Examination of sources and distribution of diseases using available public health data including descriptive statistics and the impact of findings on public health policy. *Credit: 3 semester hours.*

1037 Introduction to Gerontology

The study of aging as part of the social as well as biologically determined life cycle. Issues examined include work, retirement, income, family life and support systems and the health and other services provided to the elderly population. *Credit: 3 semester hours.*

1038 Patient Rights, Responsibilities and Advocacy

The role and function of the patient advocate in various health care facilities and settings. Some of the topics discussed include community ombuds-programs, informed consent, patient's bill of rights and responsibilities and health care proxy laws. *Credit: 3 semester hours.*

1039 Introduction to Health Education

An overview of the processes of human learning. The management of general and specific educational programs in the health area for the individual, the organization and the community are explored. *Credit: 3 semester hours.*

1040 Long-Term Care Administration

An examination of management practices and policy issues of nursing homes and home care organizations, including hospice care. The effects on patients, the family and the community are explored. *Credit: 3 semester hours.*

1041 The Economics of Health Care

Prerequisite: ECO 1001 or HSA 1100. Application of economic concepts to the study of the health care system. Topics include the inter-relationship of the health care industry to other sectors of the economy, health manpower shortages and surpluses, the markets for physician and hospital services, the performance and structure of the health insurance industry and the competing political economic strategies of health care organization. *Credit: 3 semester hours.*

1042 Introduction to Managed Health Care

Prerequisite: HSA 1002, HSA 1012 and HSA 1100. This is a course on economies of health care and the central economic issue of managed health care. The course gives a comprehensive overview of the basic concepts and practices associated with the dynamic world of managed health care. *Credit: 3 semester hours.*

1100; 1101 The U.S. Health Care Systems (HSA 1100 formerly HSA 1001)

HSA 1100 is a prerequisite for HSA 1101. Examination and analysis of the organization, delivery and finance of health services including public health and personal health care. Emphasis is given to the changing role of physicians, the impact of regulation and competition on the cost and quality of care and the institutional and political contexts shaping the system. The social determinants of health status are analyzed. *This sequence should be taken during the first year of the HSA program. Credit: 3 semester hours.*

1102 Comparative Health Care Systems

Prerequisites: HCA 1101 and HCA 1100. Comparative analysis of the Canadian, major West and East European and Japanese health care systems. Third-world delivery systems are studied. Administrative, financial and benefit structures are examined in the context of changing social, economic and political developments in these societies. *(For health services administration majors, it is suggested that this course be taken in their second, third or fourth year.) Credit: 3 semester hours.*

History (HIS)

(Queens)

1000C Emergence of a Global Society

See description in University Core Courses. *Credit: 3 semester hours.*

1001 History of Western Civilization

A survey of the various events and forces that have contributed to the heritage of contemporary Western man and civilization from the ancient world to 1648. *Credit: 3 semester hours. HIS 1010 (SI).*

1002 History of Western Civilization

A survey of the various events and forces that have contributed to the heritage of contemporary Western man and civilization from 1648 to the present. *Credit: 3 semester hours. HIS 1011 (SI).*

1003 American History

This course traces the development of our nation's history from its European beginnings and earliest colonial times to the Civil War, with special attention given to institutions and politics. *Credit: 3 semester hours. HIS 2700; 2710 (SI).*

1004 American History

This course traces the development of our nation's history from the Reconstruction period to World War II, with special attention given to institutions and politics. *Credit: 3 semester hours. HIS 2720; 2730/40 (SI).*

1005 History of Modern World: The Nineteenth Century

A course examining the main trends, factors and problems in the nineteenth century world (1789-1914). Topics covered include: Liberalism, the rise of socialism, the industrial revolution, emerging nationalism and imperialism. *Credit: 3 semester hours.*

1006 History of the Modern World: The Twentieth Century

A course examining the main trends, factors, and problems in the twentieth century world (1914-present). Topics covered include: World War I, the rise of fascism, Soviet totalitarianism, World War II, the end of the colonial empires, the Cold War and the Sino-Soviet split. *Credit 3 semester hours.*

1009 History of the Soviet Union

The main political, social and economic developments in the Soviet Union from the Bolshevik Revolution to the present; the world power role of the U.S.S.R.; the Communist Bloc. *Credit: 3 semester hours. HIS 3650 (SI).*

1016 Contemporary World Issues

This course assists students in an examination of current issues confronting the modern world. The basis for the course, that current events may only be fully analyzed by placing them in the context of historical development, leads to a selection of topics on the national and international scene which vary from semester to semester and is dependent upon the instructor. *Credit: 3 semester hours.*

1017 Contemporary United States

Selected political, social, economic and cultural developments and problems from the Second World War to the present. *Credit: 3 semester hours. HIS 2750 (SI).*

1018 The Vietnam War

A military, diplomatic and cultural history of the American war in Vietnam. Particular attention is devoted to studying the Vietnam War as an outgrowth of the Cold War, assessing its military and diplomatic components and measuring its formative impact upon American life. *Credit: 3 semester hours.*

1020 History and Structure of the Court System

An examination of the history and structure of the New York State court system with particular emphasis on the criminal and Supreme Court structure of New York City. CRJ 1025. *Credit: 3 semester hours.*

1022 United States Supreme Court

An intensive study of the history and development of the Supreme Court. Both traditional source material and contemporary scholarship are analyzed. *Credit: 3 semester hours.*

1024 Black American History: Colonial Times to The Civil War

Designed to survey the historical contribution of African Americans. The period of focus begins with the arrival of the first slaves in the colonies in the 17th century and continues to the outbreak of the Civil War. *Credit: 3 semester hours.*

1025 Black American History: The Civil War to World War II

Examines the history of black Americans from the Civil War and Reconstruction period to 1914. The course focuses both on the position of African Americans in society and on their contribution to that society. *Credit: 3 semester hours.*

1026 Geography and Global History

An examination of the physical geography of the world and its relationship to global historical development. Topics included are the location and climate of states, their topography and size, their raw materials and soil, their demographic development, etc. *Credit: 3 semester hours.*

1027 African Civilization I

The foundation and the development of African civilizations are examined, as well as the contributions of these civilizations to world culture. *Credit: 3 semester hours.*

1028 African Civilization II

The continued development and the expansion of African civilizations are explored. Emphasis is placed on the contact between Africa and the outside world. *Credit: 3 semester hours.*

1029 The African American Community from World War I to the Present

Examines in detail the personalities and movements that have influenced African-American communities in 20th-century United States. Political, social and religious movements are examined. Special emphasis is placed on the civil rights movement. *Credit: 3 semester hours.*

1030 The History of Immigration in the United States

A discussion of why different ethnic groups came to the U.S. and how immigrants adjusted to or modified the society they found. There is also an examination of the hostilities faced by all groups as well as how U.S. immigration policies have developed and changed over the years. *Credit: 3 semester hours.*

1031 History of Modern Eastern Europe

This course analyzes events in Eastern Europe from approximately 1918 to the present. It provides cultural, historical and political frameworks for an examination of recent events in this area. The focus of attention is on the individual nations of Eastern Europe, with concluding coverage of the region as a bloc. *Credit: 3 semester hours.*

1035 Women in Western Society: 1800 to the Present

An examination of the particular roles women have played in Western society from the eve of industrialization to the present time. By focusing on women, the course informs the student about the nature and impact of industrialization in society. *Credit: 3 semester hours.*

1036 Ancient and Colonial Influences on Modern Africa

Focuses on the culture, traditions and political life of ancient and colonial African civilizations, especially those of West Africa. It provides an analysis of historical, cultural and socio-economic dynamics that gave rise to the contemporary re-Africanization movement. The course is taught in Senegal and Ghana. *Credit: 3 semester hours.*

1037 United States Labor History

A survey of working class organization from its 18th-century journeyman origin to the present. The course focuses on the development of the labor movement as it has responded to the challenges of economic development and the policies of employers and government. The contrasting organizational structures, policies and ideologies of the Knights of Labor, the IWW, and AFL and CIO unions are studied. *Credit: 3 semester hours.*

1038 Intellectual and Cultural History of the Western World

A survey of the intellectual and cultural movements that have given the West its identity. An interdisciplinary approach is used to study the great movements of Western civilization as reflected in art, architecture, historical discourse, literature, music, philosophy, poetry and the social sciences and how these influenced political and social history. *Credit: 3 semester hours.*

Hospitality Management (HMT) (Queens, Staten Island)

1000 Orientation to the Hospitality Industry

Prerequisite: none. A survey course of the hospitality industry. *Credit: 3 semester hours.*

1001 Principles of Hotel Operations

Prerequisite: MGT 1001. A study of the management functions as they pertain to hotel operations. Emphasis is placed on the techniques and tools of management, planning, organizing, staffing and controlling. *Credit: 3 semester hours.*

1002 Front Office Operations

Prerequisite: MGT 1001. A study of the front office procedures including both human and non-human resources. Emphasis is placed on forms and programs, from reservations through the night audits. *Credit: 3 semester hours.*

1003 Food and Beverage Service

Prerequisite: MGT 1001. Lecture and case study course covering general management functions of restaurant operations. (*Food and beverage service supplies needed.*) *Credit: 3 semester hours.*

1004 Service Management

Prerequisite: MGT 1001. Attention is focused on current trends, food delivery system, marketing, logistical support, menu planning, service control and quality assurance of service management. *Credit: 3 semester hours.*

1005 Travel and Tourism

Prerequisite: none. A survey of management activities as they pertain to the travel and tourism industry. Topics include: tourism geography, industry organization, travel and behavior tourism planning. *Credit: 3 semester hours.*

1006 Management of Public and Health Safety

Prerequisite: MGT 1001. A study of the management aspects of public health and safety to include federal, state and local laws and requirements of conducting business. *Credit: 3 semester hours.*

1007 Hospitality Law and Ethics

Prerequisite: BLW 1001. Legal aspects of the innkeeper and guest relationship with emphasis placed on personal and property liability. Appropriate federal, state and local cases examined. *Credit: 3 semester hours.*

1008 Hospitality Financial Management

Prerequisites: ACC 1007; ACC 1013. A survey of the concepts, theories and processes of modern financial management as applied to the special circumstances of the hospitality enterprise. *Credit: 3 semester hours.*

1009 Capstone Hospitality Management

Prerequisite: Senior status. Summarizes and integrates many of the topics from the major areas of hotel, restaurant, travel and tourism. Students apply cumulative knowledge and experience while completing their projects. *Credit: 3 semester hours.*

1020 Restaurant Management

Prerequisite: HMT 1000; HMT 1003. An analysis of the food service systems and operations including menu management, purchasing, pricing, marketing, beverage management, food service sanitation, and management principles applied to a restaurant operating environment. *Credit: 3 semester hours.*

1022 Wine Appreciation and Management

Prerequisite: HMT 1000; HMT 1003 or permission of instructor. A study of principles and practices for managing wine and wine sales. Topics include: wine appreciation, selection, purchasing, storage, compiling of wine lists, serving wine, and pairing of wine and food. (*Special note: Classes may be offered externally under instructor's supervision. Supply fees for wine tasting may be required. LEGAL DRINKING AGE IS REQUIRED FOR COURSE REGISTRATION.*) *Credit: 3 semester hours.*

1025 Cost Controls

Prerequisite: ACC 1007. Basic principles of cost control of food, beverage (including non-food items) and labor. Emphasis placed on systems used for product identification, receiving, storing, budgeting, forecasting and internal controls. *Credit: 3 semester hours.*

1030 Hospitality Marketing

Prerequisites: MKT 1001; HMT 1000. Overview of the discipline of marketing as it applies to the hospitality industry and understanding how a marketing strategy is devised and executed in relation to the hospitality objectives. *Credit: 3 semester hours.*

1035 Food Service Management in Institutions

Prerequisite: HMT 1003. An analysis of the food-service business in institutions, hotels, health care, office, industrial complexes, airline catering, educational institutions, contract companies, hospital and extended-care facilities. *Credit: 3 semester hours.*

1040 International Cuisines

Prerequisite: HMT 1003. A study of culinary characteristics combined with history, life-style, and culture to define the food elements and patterns unique to countries and regions around the world. Additional fees will be required for restaurant visits. *Credit: 3 semester hours.*

1045 Housekeeping Management and Operations

Prerequisite: HMT 1000. Application of various systems, procedures and controls associated with housekeeping departments. Emphasis on management delegation scheduling systems, routines, equipment requirements and laundry operations. *Credit: 3 semester hours.*

1050 Hospitality Facilities Management

Prerequisite: HMT 1000. A survey of the problems and opportunities inherent in managing hospitality facilities. *Credit: 3 semester hours.*

1055 International Hospitality Management

Prerequisite: HMT 1000. A study of global management techniques and theories as they pertain to the hospitality industry. Emphasis is placed on industry regional analysis and analysis of the local economy. *Credit: 3 semester hours.*

1061 Event Management

Prerequisite: HMT 1000. An introduction to the process of leadership and management techniques for the planning, coordinating, and promoting events. *Credit: 3 semester hours.*

1065 Conventions Management

Prerequisites: MGT 1001, HMT 1000. An examination of the special purpose hospitality function of providing a venue for meetings, conventions and expositions. *Credit: 3 semester hours.*

1070 Travel Hospitality Industry

Prerequisite: HMT 1005. Topics include: Diplomatic and consular framework, mode transportation, accommodations, food and beverage issues, destination planning and development and travel trends. *Credit: 3 semester hours.*

1071 International Travel Destinations and Cultures

Prerequisite: HMT 1005. An introductory survey course of world travel destinations including an exploration of the customs, habits, festivals and historical sights as these are related to the travel and tourism industry. *Credit: 3 semester hours.*

1072 Resorts Management

Prerequisites: HMT 1000. This course provides students with comprehensive need-to-know information on the management and operation of today's wide range of resorts, from golf courses, ski resorts, spas, and casinos to theme parks and cruises. *Credit: 3 semester hours.*

1073 Cruise Operations Management

Prerequisite: HMT 1000; HMT 1005. This course provides a comprehensive analysis of the international cruise lines industry including the history, development, market trends, and operational insights into its management and marketing. Operating structures, systems, management practices, and current industry issues are discussed based upon the contemporary cruise experience. *A FIELD TRIP WITH ADDITIONAL FEES WILL BE REQUIRED. CONSENT OF THE INSTRUCTOR REQUIRED BEFORE REGISTRATION.* *Credit: 3 semester hours.*

1075 Hospitality Information Technology

Prerequisites: HMT 1000; CUS 1102. A study of information technology systems used in the hospitality industry both domestically and globally. *Credit: 3 semester hours.*

1077 Hospitality Security Management

Prerequisites: HMT 1000. Security techniques used to enhance safety of persons and property, including loss prevention, administration, organizing, emergency planning and liability in the hospitality industry. *Credit: 3 semester hours.*

1080 Hospitality Labor and Management Theory

Prerequisite: MGT 1001; HMT 1000. An analysis of the interaction of the work environment: examination of organizational behavior and structures to include labor and management interactions. *Credit: 3 semester hours.*

1093 Independent Study in Hospitality Management

Prerequisite: Junior or senior HMT major with a minimum cumulative GPA of 2.75 and Director's permission. Individualized independent study. Under the guidance of a hospitality management faculty member, a student will pursue an in-depth study of a significant issue or problem in lodging management, restaurant management, travel or tourism, or participate in a lodging management, restaurant management, travel or tourism project. *Credit: 3 semester hours.*

1094 Hospitality Management Internship I

Prerequisite: Junior or senior HMT major with a minimum cumulative GPA of 2.75 and Director's permission. An off-campus experience with a professional hotel, restaurant, food service or tourism organization, with supervised practical experience to further prepare HMT majors for their professional careers. *Credit: 3 semester hours.*

1095 Hospitality Management Internship II

Prerequisite: Junior or senior HMT major with a minimum cumulative GPA of 2.75 and Director's permission. A second off-campus experience with a professional hotel, restaurant, food service or tourism organization, with supervised practical experience to further prepare HMT majors for their professional careers. *Credit: 3 semester hours.*

2001A International Tourism Management: An Italian Approach

Prerequisite: HMT 1000; HMT 1005. This is a 5-week summer study abroad program offered at Università Di Perugia in Assisi, Italy. The course combines classroom lectures with supervised field trips to various hospitality establishments in the Umbria region, the heart of Italian tourism industry and tradition. Additional program fees will be required. Consent of the instructor required before registration. *Credit: 3 semester hours.*

**Human Services (HSC)
(Queens)****1020 Survey of Human Services**

Introduction to the field of human services: history, theories, principles and values of human services. Survey of roles for human service workers, clients to be served, and delivery of services to clients. *Credit: 3 semester hours.*

1030 Human Growth and Development

Study of human physical, mental, social, emotional and moral growth and development from the prenatal to later adult years. *Credit: 3 semester hours.*

1049 Career Theory and Planning in the Human Services

Developing strategies and skills for facilitating entry into the human services job market for a systematic approach to career development and implementation of career goals. *Credit: 3 semester hours.*

1060 Methods and Policies for the Human Services

Survey of selected knowledge and skills related to models and methods of intervention, including competence in interviewing; case management skills; vocational, social and psychological skills; client advocacy skills; problem-solving skills and selected counseling skills. *Credit: 3 semester hours.*

1065 Group Dynamics for the Human Services

The course provides students with exercises and analyses related to the dynamics of social group interaction as they function in the human services environment. *Credit: 3 semester hours.*

1071 Gerontology

Methods and materials for meeting the special needs of the aging. *Credit: 3 semester hours.*

1072 Child Advocacy

Methods and materials for understanding interpersonal violence and for meeting the special needs of the abused and neglected child. *Credit: 3 semester hours.*

1073 Chemical Dependency

Methods and materials for meeting the special needs of the drug/alcohol abuser. *Credit: 3 semester hours.*

1074 Chronically Mentally Ill

Methods and materials for meeting the needs of the mentally disabled. *Credit: 3 semester hours.*

1081 Gerontology Internship and Seminar

Twelve clock hours of supervised field experience per 12 weeks in an appropriate agency, accompanied by an on-campus weekly seminar. *Credit: 6 semester hours.*

1082 Child Advocacy Internship and Seminar

Twelve clock hours of supervised field experience per 12 weeks in an appropriate agency accompanied by an on-campus weekly seminar. *Credit: 6 semester hours.*

1083 Chemical Dependency Internship and Seminar

Twelve clock hours of supervised field experience per 12 weeks in an appropriate agency, accompanied by an on-campus weekly seminar. *Credit: 6 semester hours.*

1084 Chronically Mentally Ill Internship and Seminar

Twelve clock hours of supervised field experience per 12 weeks in an appropriate agency, accompanied by an on-campus weekly seminar. *Credit: 6 semester hours.*

1085 Child Care Internship and Seminar

Twelve clock hours of supervised field experience per 12 weeks in an appropriate agency, accompanied by an on-campus weekly seminar. *Credit: 6 semester hours.*

1088 Chemical Dependency and the Family Internship and Seminar

Twelve clock hours of supervised field experience per 12 weeks in an appropriate agency, accompanied by an on campus weekly seminar. *Credit: 6 semester hours.*

1100 Research Course

This course is an introduction to survey research. It will introduce the different data collection procedures and methods used for studies in research. This course will cover both qualitative and quantitative methods of data collection and interpretation. Emphasis will be on students getting an actual research experience. *Credit: 3 semester hours.*

1102 Social Justice

This course examines the principles of social justice (such as equality of opportunity and freedom from want) and their application to American society. Particular emphasis will be given to inequalities of race/ethnicity, gender, anger and class as they affect individuals, families and organizations in the United States and how this impacts on the delivery of services by human service professionals. *Credit: 3 semester hours.*

Journalism (JOU)

(Queens, Staten Island)

2000 Introduction to Journalism

An overview of all the media of journalism, from newspapers and wire services to radio, television and online news sites. The course will focus on the wealth of opportunities in journalism from major media to newsletters, trade magazines, iPods and others. The course will emphasize the different styles of writing required in each medium and the role of journalism in a democracy. *Credit: 3 semester hours.*

2001 Content Studies in Media

Prerequisite: JOU 2000. This course teaches students to analyze the style, newswriting and newsgathering of a newspaper, magazine, radio or television station or other news medium. *Credit: 1 semester hour.*

2002 Specialized Topics in Journalism

Prerequisite: JOU 2000. This course provides instruction in a specific area of journalism and/or explores current developments in the field. *Credit: 1 semester hour.*

2003 Readings in Journalism

Prerequisite: JOU 2000. This course analyzes books and articles covering the entire field of journalism, such as: "The Effete Conspiracy and Other Crimes of the Press" and "Readings in Mass Communication: Concepts and Issues" and periodicals like *Journalism and Mass Communication Quarterly* and *Columbia Journalism Review*. *Credit: 1 semester hour.*

1001 Newswriting I

Prerequisite: JOU 2000. Intensive study and practice in the styles and techniques of writing news and features for print media, broadcast news and online news sites. The course focuses on news evaluation, newswriting on deadline, and rewriting. *Credit: 3 semester hours.*

1002 Newswriting II

Prerequisite: JOU 1001. Advanced training and practice in reporting a variety of public affairs, from city to federal agencies, with special focus on using public documents. *Credit: 3 semester hours.*

1003 Copy Editing

Prerequisite: JOU 1001. A study of the principles and practices of copy editing as applied principally to newspapers, including a study of how words are used and misused. *Credit: 3 semester hours.*

1005 Ethics and Law in Journalism

Prerequisite: CAS 1101 or JOU 2000. A study of the ethical and legal problems involved in the print media, radio, TV and other media. *Credit: 3 semester hours.*

1006 Introduction to Magazine Publishing

A survey course designed to introduce students to magazines as a form of journalism and a business enterprise. Subjects include the functions and problems of editorial, circulation, advertising, production and other magazine departments. *Cross referenced with CAS 1351. Credit: 3 semester hours.*

1007 Magazine Article Writing and Editing

Prerequisite: JOU 1006. An advanced magazine journalism course designed to prepare students to write nonfiction articles for consumer and business magazines. Intended for the student contemplating full-time magazine editorial work or freelance writing. *Credit: 3 semester hours.*

1008 Writing and Editing for the Business and Specialized Press

Prerequisite: JOU 1001. An advanced course to introduce students to the world of business publications, which far outnumber consumer magazines and offer many more employment opportunities. *Credit: 3 semester hours.*

1009 Newspaper Administration and Organization

This course covers newspaper organization, circulation, financial and legal matters, and management-employee relations. *Credit: 3 semester hours.*

1011 The History of Journalism

An historical and interpretive study of the development of journalism from its earliest days in Colonial America to the present. *Credit: 3 semester hours.*

1012 The New Journalism:

The Reporter as Artist

Prerequisite: JOU 1001. This course analyzes the phenomenon known as the "New Journalism." The widely varying views of its supporters and detractors are presented in a broad spectrum of works. *Credit: 3 semester hours.*

1013 Investigative and In-Depth Reporting

Prerequisite: JOU 1001. A study of the techniques necessary to carry out extensive investigations of significant issues, both on local and national levels, with particular emphasis on moral and legal problems. *Credit: 3 semester hours.*

1014 The Press and Government

An inquiry into political and legal relationships between mass communication and government, problems in freedom of information, and government regulations affecting newsgathering and news dissemination. *Credit: 3 semester hours.*

1015 Photojournalism

Its principles and practices, including the role of the photojournalist, techniques of photography, picture editing and ethics of photojournalism. (*Note: students must own a still camera, preferably 35 mm.*) *Credit: 3 semester hours.*

1016 Advanced Newswriting

Prerequisite: JOU 1001. This course offers the student extended practice in collecting, evaluating and writing news with emphasis on newsgathering techniques. *Credit: 3 semester hours.*

1017 Journalism Practicum

Prerequisite: JOU 1002 and permission of the director. A workshop course designed to give journalism majors the experience of working on a college newspaper. They will report and write articles for publication. *Credit: 3 semester hours.*

1018 Newsgathering

Prerequisite: JOU 1001. The course utilizes the techniques learned in newswriting classes for the purpose of mastering more complex reporting and writing problems. *Credit: 3 semester hours.*

1019 Advanced Newspaper Practicum

Prerequisite: JOU 1017 and permission of the director. This course gives journalism majors extended and advanced practice in writing and reporting for a college newspaper. *Credit: 3 semester hours.*

1020 The Journalist as Critic

Prerequisite: JOU 1001. A survey course designed to introduce students to criticism. Students review film, theater, literature, music (both popular and classical), dance and restaurants. *Credit: 3 semester hours.*

1021 Broadcast Journalism: Radio

Prerequisite: SPE 1000C and JOU 1023, and SPE100C. A course in radio journalism emphasizing performance and production. Students gather, write and tape their own radio news stories and programs. *Cf.: CAS 1233. Credit: 3 semester hours.*

1022 The Craft of Interviewing

Prerequisite: JOU 1001 or CAS 1350. An in-depth overview of the dimensions of the interview process, this course discusses preparation, the formulation of questions, television and print interviewing, and the writing of the interview article. *Credit: 3 semester hours.*

1024 Broadcast Journalism: Television

Prerequisite: JOU 1001. An advanced course in television journalism. Students pursue topics in TV journalism and produce their own television news programming. *Laboratory fee: \$30. Cf.: CAS 1235. Credits: 3 semester hours.*

1025 Crime Reporting

Prerequisite: JOU 1001 or CAS 1350. An examination of the ethics and newsgathering techniques of police beat reporting. The relationships between the press, the public and law enforcement agencies are examined in depth. *Credit: 3 semester hours.*

1026 Online Journalism

Prerequisite: JOU 1001 or CAS 1350. An introduction to journalists' use of computers to access, retrieve and evaluate information from the Web, databases and other Internet sources. The resulting news and investigative articles will be written in the style and format of online news sites. *Credit: 3 semester hours.*

1028 Sports Writing

Prerequisite: JOU 1001 or CAS 1350. A study of and practice in writing sports stories and feature articles for newspapers. *Credit: 3 semester hours.*

1029 The Press and the Cinema

This course explores, both historically and aesthetically, how the press has been portrayed on the screen. Feature films are screened and discussed. *Credit: 3 semester hours.*

1030 Publication Graphics

Prerequisite: CAS 1290. A course in desktop publishing for journalism majors and public relations students. The course explores the integration of writing, design and the visual elements of brochures, newsletters and magazines. *Cf.: CUS 1104, and CAS 1292. Fee: \$30. Credit: 3 semester hours.*

1031 Cameras in the Courtroom

An in-depth examination of the legal issues involving video technology in American courtrooms. The emerging role of videotape in the legal system is considered from the viewpoints of litigants, attorneys, judges and the public. *Mini-Session. Free elective only. Credit: 3 semester hours.*

1035 Radio Journalism Honors Course

Prerequisite: CAS 1233 or JOU 1021 and *Permission of Instructor.* An advanced course in radio journalism. Students pursue advanced topics in radio journalism and produce their own radio news programming. *Open only to students with a 3.0 in their major. Cf.: CAS 1237. Credit: 3 semester hours.*

1091 Independent Study in Journalism

Prerequisite: Permission of the Director. Individualized independent study under the guidance of a faculty member. Students pursue an in-depth study or participate in a journalism project. *Approval of project is at the discretion of the Director of the Journalism Program. Credit: 1 semester hour.*

1092 Independent Study in Journalism

Prerequisite: Permission of the Director.

Individualized independent study under the guidance of a faculty member. Students pursue an in-depth study of a topic or participate in a journalism project. *Approval of project is at the discretion of the Director of the Journalism Program. Credit: 2 semester hours.*

1093 Independent Study in Journalism

Prerequisite: Permission of the Director.

Individualized independent study under the guidance of a faculty member. Students pursue an in-depth study of a topic or participate in a journalism project. *Approval of project is at the discretion of the Director of the Journalism Program. Credit: 3 semester hours.*

1094 Journalism Internship

Prerequisite: Permission of the Director.

Credit: 6 semester hours.

1095, 1096, 1097, 1098 Journalism Internship

Prerequisite: Permission of the Director.

Credit: 3 semester hours each.

1099 Journalism Internship

Prerequisite: Permission of the Director.

Credit: 18 semester hours.

Legal Studies (LES)

(Queens, Staten Island)

1001 An Introduction to Legal Studies

An introduction to the legal system, including the functions, sources and types of law. Historical development and functions of the paralegal in relation to this system. *(Required for legal studies majors.) Credit: 3 semester hours.*

1002 Legal Research and Writing

An introduction to the structure and function of the legal library. Topics include the use of state and federal statutes, digests, encyclopedias and Shepards Citations. *Required for all LES majors. Westlaw Computer Legal Research is introduced. Credit: 3 semester hours.*

1003 Tort Law

Prerequisite: LES 1001. A preliminary investigation of tort law, including personal injury, products liability and defamation. *Credit: 3 semester hours.*

1004 Litigation Practice (Civil)

Prerequisite: LES 1001. An analysis of the progress of litigation in terms of papers filed in courts and exchanged between parties and the preparation of such papers. *Credit: 3 semester hours.*

1005 Practicum for the Paralegal

Prerequisite: LES 1001, 1002 and permission of the Director. An internship: a supervised practical learning experience in a legal environment. *Credit: 3 semester hours.*

1006 Advanced Practicum for the Paralegal

Prerequisites: LES 1005 and permission of the Director. *Credit: 3 semester hours.*

1007 Family Law

Prerequisite: LES 1001. An examination of the aspects of family law practice including divorce, separation and child custody. *Credit: 3 semester hours.*

1008 Law Office Management

Prerequisite: LES 1001. A practical course for the paralegal including such topics as general office management; billing procedures; client files (open, maintain, close) and professional responsibilities of the profession. *Credit: 3 semester hours.*

1009 Advanced Legal Research and Writing

Prerequisite: LES 1001 and LES 1002. A course to develop the student's ability to write legal materials accurately and concisely. *Credit: 3 semester hours.*

1010 Probate and Estate Administration

Prerequisite: LES 1001. Understanding the means and processes involved in the transmission of personally controlled wealth. *Credit: 3 semester hours.*

1011; 1012 Real Estate Law I and II

Prerequisite: LES 1001. A general introduction into the area of real estate law considering such topics as ownership, interest, deeds, contracts, liens, assessments, leases, taxes and easements. *Credit: 3 semester hours.*

1013 Bankruptcy and Debtor—Creditor Practice

Prerequisite: LES 1001. An introduction to the area of debtor and credit law and bankruptcy, with particular attention to the different types of bankruptcy proceedings under the New Bankruptcy Act. *Credit: 3 semester hours.*

1014 Insurance Law

Prerequisite: LES 1001. A general introduction to insurance. Special attention to various types of insurance such as life, health, property and liability. *Credit: 3 semester hours.*

1015 Legal Ethics

A comprehensive introduction to the rules regarding the ethical and professional responsibilities of paralegals as advanced by the Code of Professional Responsibility and the Model Rules of Professional Conduct. Students will gain an understanding of the current ethical issues facing paralegals as well as the distinction between personal ethics and professional ethics, the unauthorized practice of the law, conflicts of interest, attorney-client privilege, as well as related financial issues including client funds, billing and fee sharing. *Credit: 3 semester hours.*

1016 Corporation Law and Practice

Prerequisite: LES 1001. A brief review of the New York Business Corporation Law (BCL). Preparing and filing the required forms with the NY Secretary of State. *Credit: 3 semester hours.*

1017 Patents, Trademarks and Copyrights

Prerequisite: LES 1001. A study of the laws governing the acquisition of property rights in trademarks, copyrights and patents; copyright and patent law. *Credit: 3 semester hours.*

1018 Immigration Law

Prerequisite: LES 1001. Introduces students to the basic law and legal concepts involved in the immigration and naturalization process. *Credit: 3 semester hours. Open to baccalaureate students only.*

1019 Taxation for Paralegals

Prerequisite: LES 1001 and ACC 1007. A general survey of income and estate taxation emphasizing return preparation and tax planning for individuals, partnerships, corporations and estates. *Credit: 3 semester hours.*

1020 Employment Law and Practice

Prerequisite: LES 1001. The collective bargaining process with emphasis on its dynamics, processes, powers and politics. *Credit: 3 semester hours.*

1021 Administrative Law and Alternative Dispute Resolution

Prerequisite: LES 1001. This course presents basic concepts of administrative law and alternative dispute resolution, with emphasis on the role of non-lawyers in these areas. Students will learn both formal and informal advocacy techniques. Topics include administrative rule making, adjudication and judicial review, voluntary and involuntary arbitration and mediation programs. *Credit: 3 semester hours.*

1022 Title Abstracting and Closing

Prerequisite: LES 1001 or BLW 1001. Introduces the student to the technicalities of reading and removing objections to real estate titles, the meaning of common objections, the forms used to report and clear these objections, and the procedure for acting as title closer for a title company. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only.*

1023 Environmental Law

Prerequisite: LES 1001. Designed to acquaint students with the legal responses, to current environmental problems, including air, water, and noise pollution. *Credit: 3 semester hours.*

1024 Elder Law

Prerequisite: LES 1001. An examination of the varied topics in the law affecting older persons, including financial and estate planning, health care, personal planning and protection. *Credit: 3 semester hours.*

1025 Social Security Disability Law

A comprehensive introduction to client representation during the Social Security Disability appeals process. Students will gain mastery of the different types of Social Security Disability benefits and the standards and regulations of the Social Security Administration. *Credit: 3 semester hours.*

1026 Students with Disabilities Law

This course examines both federal and state law for students with disabilities. The course topics include both substantive and procedural laws and the administrative legal processes, including the due process rights of students in impartial hearings. *Credit: 3 semester hours.*

1030 International Law

Prerequisite: LES 1001. Designed to introduce the student to the many aspects of the practice of international law. *Credit: 3 semester hours.*

1031 Seminar on Civil Rights Law and the Shaping of America

This seminar will explore the major U.S. Supreme Court decisions that shaped the laws on civil rights. The landmark cases on racial, sex, sexual orientation discrimination and the Court's response through affirmative action will be examined. Voting rights and political representation will be analyzed.

Credit: 3 semester hours. Free elective only. Intersession, pre-session, post-session only.

1040 Trial Practice

Prerequisite: Any prior law course. The preparation of a case for trial, including basic research of the legal issues gathering and analyzing the evidence, and examination of witnesses. Not open to A.S. business and accounting students. (*Cf.*: BLW 1026)

Credit: 3 semester hours. Free elective only. Intersession and pre-session only. (Q, SI)

1041 Comparative Legal Systems: Countries of Europe

An intense three-week program that surveys the legal systems of selected major European countries and compares them to the U.S. system. *Credit: 3 semester hours.*

N.B.: The following are legal specialty courses: LES 1003, 1004, 1007, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1019, 1020, 1021, 1024, 1030, 1041.

The following are law related courses: LES 1005, 1006, 1008, CRJ 1016, 1017, 1038.

Liberal Studies

(Queens, Evening)

LST 1000 Course Description:

Students' success in college is measured by their ability to write effectively, think critically and read on a college level. To achieve these goals this course will introduce students to a wide variety of contemporary issues which will serve as a basis for discussion, analysis and writing. *Credit: 3 semester hours.*

BLS 1099 Independent Study

Independent work in the humanities [literature, philosophy, or theology] and/or the social sciences [economics, history, political science, psychology, or sociology]. All work is conducted under the mentorship of a faculty member. *Written approval required from a specific faculty member before registering. Credit: 3 semester hours.*

Management (MGT)

(Queens, Staten Island)

1000 Introduction to Business

An approach to understanding the function of business in society and what society can expect from business. Major topics: economic and social responsibilities; the functional areas; marketing, production and finance; how businesses are organized and managed; quantitative management tools; the future of business. *Credit: 3 semester hours. Open to two-year business and accounting students only.*

1001 Principles of Management I

Problems and processes of management; emphasis is placed on the principles and practices of management and the functions of the executive. *Credit: 3 semester hours.*

1003 Financial Management

Prerequisite: ACC 1007, ECO 1001 and 1002. Survey of corporate financial management. Emphasis is on financial statement analysis; time value of money; and, an overview of risk and return, valuation, cost of capital, capital budgeting and dividend policy. *Credit: 3 semester hours.*

1004 Management Information Systems

Prerequisite: CUS 1101 and MGT 1001. The practical application of principles governing the selection, processing, testing, transmission and evaluation of computerized and non-computerized data within business systems are discussed. Not open to two-year business students. *Credit: 3 semester hours.*

1005 Industrial and Personnel Psychology

Prerequisite: MGT 1001. Social and psychological aspects of interpersonal relationships, individual differences, efficiency, working conditions, accident prevention, industrial mental health and counseling. *Not open to two-year business students. Credit: 3 semester hours.*

1006 Small Business Management

Prerequisite: 3 credits in management. This course discusses the dynamic role played by small business firms in the American economy. It involves the study of the small firm responding creatively to a rapidly changing economic and social environment. *Not open to two-year business students. Credit: 3 semester hours.*

1009 New Dimensions in Management

Prerequisite: MGT 1001. Examination of current critical management issues, problems and possible solutions that have been generated by a new organizational perspective. Emphasis is placed on the quality of work life. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only.*

1010 Japanese Management (Theory Z)

Analysis and exploration of Theory Z; how it works, its impact on production in Japan, why it is so effective with Japanese workers, and its implementation. The issue of Theory Z's potential effectiveness in U.S. is examined, and it is compared to present-day approaches already in use in the U.S.; cultural issues of job satisfaction and job mobility. *This course is open only to four-year students. Credit: 3 semester hours. Free elective only. Intersession and pre-session only. (SI)*

1012 Skills and Strategies for Women

The study of women's changing role in management. Issues involving management functions; communication skills; power and politics; group process; hiring and separation. Open to both male and female students. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only.*

1014 Introduction to International Business

This course stresses the similarities and differences in international business management functions, processes and structures as related to the changing cultural, social, economic and political environment. The changes in management philosophies and practices as well as their adaptations to fit the political conditions in different countries are also be considered. (*Open to baccalaureate students only.*) *Credit: 3 semester hours.*

1021 Cultural Environment of Human Resources

Prerequisite: MGT 1014. An analysis of how different cultural values and language affect labor resources. Areas of study include the impact of socio-cultural factors on management selection training; the advantages and disadvantages of international assignments; profiles of U.S. subsidiaries and local firms. *Credit: 3 semester hours.*

1022 Doing Business with the Pacific Rim

Prerequisite: MGT 1014. A survey course discussing the fundamental elements of doing business with the Pacific Rim countries. Detailed discussion of how the specific environmental factors (geographic, economic, political, social and cultural) affect business transactions. Special attention is paid to the role of government, and the legal system in fostering international business, with an analysis of the recent regional trade agreements. *Credit: 3 semester hours.*

1023 Doing Business with Latin America and the Caribbean

Prerequisite: MGT 1014. A survey course discussing the fundamental elements of doing business with Latin American and Caribbean countries. Detailed discussion of how the specific environmental factors (geographic, economic, political, social and cultural) affect business transactions. Special attention is paid to the role of government, and the legal system in fostering international business with an analysis of the recent regional trade agreements. *Credit: 3 semester hours.*

1024 Doing Business with Europe

Prerequisite: MGT 1014. A survey course discussing the fundamental elements of doing business with European countries. Detailed discussion of how the specific environmental factors affect business transactions. Special attention is paid to the role of government and the legal system in fostering international business, with an analysis of the recent regional trade agreements. *Credit: 3 semester hours.*

1025 Women in Management

An examination of women managers' experiences using an interdisciplinary analysis. Emphasis on historical and global perspectives; individual and organizational issues such as ethnicity, health and personal and family lifestyles; and exploring current trends in the issue of job discrimination and the restructuring of organizations. *Credit: 3 semester hours.*

1026 Entrepreneurship/How to Start Your Own Business

Prerequisite: MGT 1000 or 1001, MKT 1001. Introduces the challenges and opportunities/risks in starting a business, including researching and analyzing business opportunities. The course covers the fundamentals, and students design and develop a full-fledged business plan. *Credit: 3 semester hours.*

2001 Eye on Washington—Managing the Federal Government

The powerful federal administrative agencies, most of which operate under the supervision of the executive branch, are the main focus of this course. This course provides students with an understanding of the rule, authority and contribution that agencies make to the managing of the government and the nation. *Prerequisites:* None. *Open to two-year and four-year students. Credit: 3 semester hours.*

Marketing (MKT)

(Queens, Staten Island)

1001 Principles of Marketing

The role of marketing and marketing management in the operation of an economic system is studied. The environment within which the marketing system operates and the structure, operations, resources and variables subject to the control of the marketing executive are examined. Marketing principles, trends and policies are emphasized. *Credit: 3 semester hours.*

1002 Fundamentals of Advertising and Sales Promotion

Prerequisite: MKT 1001. The function of advertising and its relationship to the growth and development of markets for new and old products. *Credit: 3 semester hours.*

1020 International Distribution: Marketing Strategies

Prerequisite: MKT 1001. A survey of how products and services are distributed internationally. A comparison of the methods and systems of product development, assessment, acceptance and distribution in relation to the product life cycle. Emphasis on the application of basic marketing principles to the international environment and specific marketing situations. *Credit: 3 semester hours.*

Mathematics (MTH)

(Queens, Staten Island)

Students are placed in an appropriate initial course in mathematics selected from 1003 or 1007 or 1009. Unless otherwise specified, MTH 1003 may be followed by 1004 or 1005 or 1007 or 1008 or 1021; 1007 may be followed by 1009 or 1005 or 1008 or 1021; 1009 may be followed by 1010 or 1008 or 1021. Consult specific requirements for your major before selecting a second mathematics course. It is advised that required mathematics courses be taken in consecutive semesters.

1001 Introduction to Algebra

Review of signed numbers and numerical fractions; polynomials; factoring; equations; algebraic fractions; exponents; coordinate system; graphs and equations of lines; functions. *Open only to freshmen. Credit: 3 semester hours. Class meets four hours per week.*

1003 Introduction to College Mathematics I

Real numbers; exponents, polynomials; rational fractions; equations, inequalities and systems; functions. *(Not open to students who have completed MTH 1007 or MTH 1009.) Credit: 3 semester hours.*

1004 Introduction to College Mathematics II

Prerequisite: MTH 1003. Coordinate geometry; limits; continuity; differentiation; exponential and logarithmic functions. *(Not open to students who have completed MTH 1007 or MTH 1009.) Credit: 3 semester hours. (Q, SI)*

1005 Mathematical Ideas and Applications

Prerequisite: MTH 1003. An elementary treatment of topics chosen for their interest and/or practical application. Materials are selected from the fields of logic, probability, statistics, algebra, matrix algebra and number theory. Use of calculators is suggested where appropriate. *Credit: 3 semester hours.*

1007 College Algebra and Trigonometry

The complex numbers; review of basic algebra; functions and graphs; linear, quadratic and other algebraic functions; exponential and logarithm functions; trigonometric functions and identities; inverse trigonometric functions. *(Not open to students who have completed MTH 1009.) Credit: 3 semester hours.*

1008 Matrix Methods

Prerequisite: MTH 1003 or equivalent. Matrices; systems of linear equations; linear programming; simplex method; applications to business problems. *(Not open to students who have completed CUS 1182.) Credit: 3 semester hours.*

1009 Calculus I

Prerequisite: MTH 1007 or equivalent. Limits; continuity; the derivative; applications of the derivative; the definite integral; fundamental theorem of calculus; integration of polynomial functions; areas; exponential and logarithmic functions. *Credit: 3 semester hours. MTH 1320 (SI)*

1010 Calculus II

Prerequisite: MTH 1009. Trigonometric functions; polar coordinates; applications of the definite integral; indeterminate forms; improper integrals; techniques of integration. *Credit: 3 semester hours.*

1011 Calculus III

Prerequisite: MTH 1010. Solid analytic geometry; partial differentiation; multiple integrals; infinite series. *Credit: 3 semester hours.*

1012 Linear Algebra

Prerequisite: MTH 1009. Vectors and vector spaces; linear transformations and matrices; characteristic values and vectors of linear transformations; similarity of matrices Eigenvalues and Eigenvectors. *Credit: 3 semester hours.*

1013; 1014 Probability and Statistics I; II

Prerequisite: MTH 1013 for MTH 1014. Basic probability laws and their application; combinatorial analysis; conditional probability and Bayes' rule; discrete and continuous distributions. Central limit theorem; statistical inference; sampling theory; estimation; hypothesis testing; goodness of fit; regression; correlation; analysis of variance. *Credit: 3 semester hours.*

1015 Numerical Analysis

Prerequisite: MTH 1009. Numerical solution of algebraic and transcendental equations; solutions of systems of linear equations; ill-conditioning; methods of interpolation; numerical differentiation and integration; initial value problems for ordinary differential equations; error estimates. *Credit: 3 semester hours.*

1016 Software Applications for Mathematics

Prerequisite: MTH 1009. Mathematical computer software, such as equation processors, function plotters, and graphics packages, are used to explore mathematical concepts from the areas of calculus, geometry, linear algebra, differential equations, logic, numerical analysis, and probability and statistics. *Credit: 3 semester hours.*

1017 Mathematical Logic

Prerequisite: MTH 1009. The logical development of the number systems; set theory; sets of axioms and their properties; structures (algebraic and geometric) and their properties; intuitionism and formalism and aspects of logic that relate to computers. *Credit: 3 semester hours.*

1018 Differential Equations

Prerequisite: MTH 1010. Equations of order one; linear differential equations; the LaPlace Transform; systems of linear differential equations; solutions by series; applications. *Credit: 3 semester hours.*

1019 Topics in Advanced Calculus

Prerequisite: MTH 1011. Fourier series; vector calculus, Green's theorem; ordinary differential equations-vibrations, RLC circuits, series solutions; partial differential equations-wave equations, LaPlace's equation, Legendre polynomials, Bessel functions; analytic function theory-Cauchy's theorem, Laurent expansion, residues. *Credit: 3 semester hours.*

1021 Introduction to Statistics

Prerequisite: MTH 1003 or equivalent. Permutations, combinations, addition and multiplication rules; conditional probability; confidence intervals; hypothesis testing; regression; correlation; applications to business, economics and social science. *(Not open to students majoring in Business.) Credit: 3 semester hours. MTH 1020 (SI)*

1030 Mathematics for the Elementary Teacher

Provides elementary education majors with competence in essential areas of mathematics and integrates those areas into the study of science. Students study sets, functions, logic, counting methods, probability, statistics and geometry. *Open to The School of Education students. Credit: 3 semester hours.*

1031 Mathematics for the Elementary Teacher

Provides elementary education majors with competence in essential areas of mathematics and integrates those areas into the study of science. Students study the metric system, algebra, real number system and patterns, sequences and number theory. *Open to The School of Education students. Credit: 3 semester hours.*

Philosophy (PHI) (Queens)

Students pursuing an associate degree are required to complete PHI 1000C. Students pursuing a bachelor's degree are required to complete PHI 1000C, one course from the 1020 series, and PHI 3000C.

1000C Philosophy of the Human Person

See description under University Core Courses. *Credit: 3 semester hours.*

1020=2200C Ethics

Prerequisite: PHI 1000C. Human happiness and the essential means of achieving it; universal and objective morality vs. relativism and subjectivism; principles used in formulating a rational moral judgment; the functions of law and the conscience; prudence and the moral virtues as the heart of the moral life. *Credit: 3 semester hours.*

1021 Moral and Political Philosophy

Prerequisite: PHI 1000C. A critical analysis of the interdependence of concepts of moral good and human nature and theories of the ideal or best state in the major political and social philosophies of the Western tradition. *Credit: 3 semester hours. Fall.*

1022=2220C Business Ethics

Prerequisite: PHI 1000C. The development of the general principles of the moral life in regard to happiness and the means to attain happiness. The objective moral principles which impact on one's life in its various dimensions—personal, familial, social and political. Special emphasis is placed on the application of ethical principles to accounting, economics, finance, management and marketing. *Credit: 3 semester hours.*

1023 Issues and Arguments in Bioethics

Prerequisite: PHI 1000C. A philosophical analysis and evaluation of ethical positions and arguments in medical science and practice and in the life sciences. The course begins with a survey of the major ethical theories and uses them to analyze and evaluate such issues as abortion, euthanasia, cloning and stem cell research. *Credit: 3 semester hours.*

1024 Public Relations Ethics

Prerequisite: PHI 1000C. Designed for students planning public relations careers, this course prepares them to confront and resolve ethical issues that they may encounter as practitioners of public relations. *Credit: 3 semester hours.*

3000C Metaphysics

See description under University Core Courses. *Credit: 3 semester hours.*

1040 Topics in Philosophy and Literature

Prerequisite: PHI 1000C. A critique of various aspects of Western culture and philosophical themes in Western literature such as human nature, the soul, the nature of good and evil, free will and moral responsibility and the nature of God and man's relationship with God. *Credit: 3 semester hours. Spring.*

1041 Narrative, World and Consciousness

Prerequisite: PHI 1000C. The course is centered on the nature and structure of consciousness, and language as it relates to the development of consciousness of self and world. The phenomenological tradition will guide the analysis of consciousness around the notion of "intentionality". Contemporary problems in the relationship between Brain, Mind, and Consciousness will be addressed. The treatment of language will be primarily from a pragmatic view, assessing how language use contributes to self-awareness and awareness of reality. The debate between idealism and realism is a central issue in this course. *Credit: 3 semester hours*

1050 Logic

The uses of language; the different types of definition; the basic forms of deductive argument and the use of symbolism in analyzing them; inductive arguments; informal fallacies; the concept of scientific method; a brief survey of recent developments in logical theory. *Applicable as a free elective only. Credit: 3 semester hours. Spring.*

Physics (PHY) (Queens)

1001 The Physical Universe

An appreciation and understanding of the physical world through a historical development of the methods, principles and concepts of the physical sciences. Topics include motion, heat, electricity, magnetism, elements of matter, atom models, nuclear physics and astronomy. Designed for students whose career objectives are not in the physical or natural sciences. (SI) SCI 1520. *Credit: 3 semester hours.*

1002 Practical Physics and Modern Technology

This course is intended to explain new technologies as practical applications of the physical sciences. It covers laser scanners, Doppler radar, particle beam weapons, surveillance cameras, computers, communication satellites, cable TV and other modern topics. *Credit: 3 semester hours.*

1003 Perspectives in Astronomy

The formation of the solar system; description of the sun, the planets and moons of our solar system; the birth and death of stars; the Milky Way and other galaxies; the Big Bang and other cosmological theories of our expanding universe. *(Not open to students who have taken PHY 6.) NDC: PHY 58 Credit: 3 semester hours.*

1009 Elementary Physics I

Corequisite: MTH 1009. A mathematical introduction to the fundamental laws and principles of mechanics, heat, wave motion and sound. *Credit: 3 semester hours.*

1010 Elementary Physics II

Corequisite: MTH 1009. A mathematical introduction to electricity, magnetism, optics and modern physics. *Credit: 3 semester hours.*

1031 Physical Science for the Elementary Education Major

Introduces prospective elementary school teachers to important concepts of physics, chemistry and earth science. Topics covered include the scientific method and the role of measurement matter and energy with emphasis on elements mixtures, compounds and potential energy kinetic energy. *Open only to elementary education majors. Credit: 3 semester hours.*

Political Science (PSC) (Queens)

1001 American National Government

The nature of United States federalism; the structure and work of the national government, the executive branch; the Congress, with emphasis on its committee system and executive-legislative relationships; the federal judiciary with reference to appropriate constitutional cases, and the departments and administrative establishments. (SI) GOV 1030. *Credit: 3 semester hours.*

1002 The American Political System

The democratic character of the American political system as expressed through national party politics; their interaction with America's role in foreign affairs; selected principles and institutions of political science. *Credit: 3 semester hours.*

Psychology (PSY) (Queens)

1001 General Psychology

An introduction to scientific psychology and its methods. (SI) PSY 1020. *Credit: 3 semester hours.*

1002 Educational Psychology

A study of intellectual functioning, individual differences, problems of learning, motivation and study habits. (SI) PSY 2050. *Credit: 3 semester hours.*

1003 Lifespan Development

Psychology of the developmental stages from childhood through adolescence and adulthood. *Credit: 3 semester hours.*

1004 Early Development

This course examines human development from conception through the prenatal period, birth processes, infancy, young and middle childhood. Physical, cognitive, language, social and personality development are also explored. *Credit: 3 semester hours.*

1005 Adolescent Psychology

The physical, intellectual, emotional and social aspects in the development of the personality of the individual in the transitional period between childhood and maturity. *Credit: 3 semester hours.*

1006 The Psychology of Adulthood

This course examines human development from young adulthood through "middlehood" and adulthood. Physical, cognitive, social and personality growth and changes are explored. Particular emphasis is given to topical and cross-cultural issues. *Credit: 3 semester hours.*

1007 Abnormal Psychology

Prerequisite: PSY 1001. An introduction to abnormal psychology dealing with the major causes of abnormal psychological behavior and therapeutic treatment of the abnormal personality. (SI) PSY 2200. *Credit: 3 semester hours.*

1008 Introduction to Psychotherapy

Prerequisite: PSY 1001. An introduction to the basic principles involved in psychotherapy. *Open to baccalaureate students only. Credit: 3 semester hours.*

1009 The Psychology of Aging

An examination of the latter stages of the developmental process, exploring the intellectual, emotional and social consequences of aging. Special attention is devoted to the programs, facilities and institutions for the elderly. *Credit: 3 semester hours.*

1010 The Psychology of Aggression and Destructiveness

Introduces the student to the anatomy of human destructiveness in a world in which violence and aggression in every form seem to be increasing. The course analyzes the epidemiology of malignant aggression and destructiveness and conditions that elicit the destructive character. *Mini-session only. Credit: 3 semester hours.*

1017 Social Psychology (formerly SOC 1017)

An analysis of human behavior in terms of the influences of social and cultural forces. (SI) PSY 3320. *Credit: 3 semester hours.*

1018 The Psychology of Death and Dying

An examination of the genesis and development of present-day attitudes and behavior toward death. Issues included are an analysis of the different theories of death and an examination of how different societies handle their dying and ritualize death. *Credit: 3 semester hours.*

1019 The Psychology of Prejudice and Discrimination

An examination of the theoretical, historical, and functional aspects of prejudice and discrimination. Research in the areas of interpersonal relations, group dynamics, social power and personality assessment is included. Special attention is devoted to racism, anti-semitism, sexism, ageism and homophobia. *Credit: 3 semester hours.*

1021 Person-Centered Psychology

This course offers the student an opportunity to create an environment which enables people from all cultures to build skills in the person-centered approach to psychology. Emphasis is placed on cross-cultural communication which can be used in the fields of education, psychotherapy, personal counseling, social work, industrial relations and management. *Credit: 3 semester hours.*

1022 The Psychology of Women

A course designed to introduce the topic of women in a framework of psychology. Emphasis is placed on sex-role stereotyping for males and females, as well as on the numerous and varied roles women perform in today's society. *Credit: 3 semester hours.*

1023 Women's Issues in Mental Health

This course explores issues in the relationship between women and the field of mental health. It examines the treatment of women by mental health practitioners, psychological theories of women's mental health and women's role in therapy. *Credit: 3 semester hours.*

1025 Organizational Psychology

This course examines the major theories, models, research techniques and findings of the social science of organizational psychology. The focus is on the theoretical and the applied. *Credit: 3 semester hours.*

**Safety and Corporate Security (SEC)
(Staten Island)****1001 Introduction to Commercial Security and Governmental Safety**

An analysis of various types of investigation and protection organizations, departments and services. *Cf. CRJ 1052. Credit: 3 semester hours.*

1002 Contemporary Legal Issues in Private and Public Protection

An analysis of legal aspects of private and public protection including the major constraints imposed upon security and public safety operations and personnel by the law. *Cf. CRJ 1053. Credit: 3 semester hours.*

1003 Loss Prevention and Business Security

An exploration of current problems in loss prevention and business security. *Credit: 3 semester hours.*

1004 Disaster Response and Hazard Control

This course focuses upon the various emergency-response techniques that have been developed to counter natural and man-made disasters as well as the administrative control of hazardous materials and services. *Credit: 3 semester hours.*

1005 Crime Prevention and Safety Consulting

This course explores the methods by which the security professional or government administrators can educate organizations and individuals on recognition, prevention and damage minimization. *Credit: 3 semester hours.*

1006 Organization, Supervision and the Protection Professional

This course focuses upon the management of proprietary security and safety personnel, as well as organizational planning within a corporation or government agency. *Credit: 3 semester hours.*

1007 Modern Investigation and Protection Technology

Contemporary developments in scientific devices and techniques that relate to the fields of security, safety and investigation. *Cf. CRJ 1005. Credit: 3 semester hours.*

1008 Internship in Private Investigation and Contract Security

Prerequisite: *Permission of the Director.* Supervised fieldwork in the area of contracted protection or investigative services, including private detective agencies, guard service companies, executive protection firms, armored transport and security consultants. *Credit: 3 semester hours.*

1009 Internship in Corporation Security

Prerequisite: *Permission of the Director.* Supervised fieldwork with a proprietary (in-house) Security Department within the retail, hotel, education, health care, insurance, manufacturing, banking or recreation industries. *Credit: 3 semester hours.*

1010 Industrial Espionage Countermeasures

An analysis of proactive investigative techniques and protective counter measures employed in industry and government to secure trade secrets, classified documents and confidential information sources. *Credit: 3 semester hours.*

1011 Private Investigation and Executive Protection

An overview of the government regulated and licensed contract security services in the United States. *Credit: 3 semester hours.*

1012 Internship in Governmental Public Safety

Prerequisite: *Permission of the Director.* Supervised fieldwork within a government agency or division of any municipality, state or the federal government specializing in safety regulation, disaster control, emergency services, civil defense, code enforcement, crime prevention or public safety. *Credit: 3 semester hours.*

1013 Internship in the Protection Technology Industry

Prerequisite: *Permission of the Director.* Supervised fieldwork in a business specializing in the manufacture, sale or installation of protection or investigative devices, including intrusion detection, access control, electronic surveillance, screening and sensing products, weapons, security communications and K-9 training. *Credit: 3 semester hours.*

1014 Advanced Internship in Commercial Security or Governmental Public Safety

Prerequisite: SEC 1008 or 1009 or 1012 or 1013 and *permission of the Director.* Supervised advanced fieldwork in proprietary or contract security, governmental public safety or security technology. *Credit: 3 semester hours.*

1015 Investigative Litigation Preparation

An examination of the various responsibilities assigned to private or government investigators by trial attorneys or litigation departments during civil, criminal or administrative proceedings. *Credit: 3 semester hours.*

1016 Fire Prevention and Protection

This course is designed to provide an overview of prevention, suppression and enforcement methods associated with the responsibilities of fire marshals. *Credit: 3 semester hours.*

1017 Public Safety Regulatory and Enforcement Agencies

An overview of municipal, state and federal government agencies having the responsibility to regulate activities and enforce laws pertaining to public safety. *Credit: 3 semester hours.*

1018 Forensic Fire Investigation

Cf.: CRJ 3109. Credit: 3 semester hours.

1019 Forensic Fire Scene Reconstruction

Cf.: CRJ 3110. Credit: 3 semester hours.

1020 Fire and Arson Investigation

This course is designed to expose students to the technical and forensic aspects of fire investigation as well as the criminal investigative aspects of the arson investigation. *Mini session only. Credit: 3 semester hours.*

Science (SCI)

(Queens, Staten Island)

1010 Science, Technology and Society

This course provides an overview of the sciences and of the processes involved in scientific inquiry. The interconnections between science and technology are investigated as well as their relations with society. Specific examples of technological advances, their scientific bases and their effects on society are discussed. No prerequisites. Primarily for Communication Arts and Journalism majors. *Credit: 3 semester hours.*

1011 Science, Technology, and the Public in the 19th Century

This course, co-taught by a scientist and a historian, is an investigation of the science and technology of the 19th century and how they were presented to the public. The major scientific discoveries of the century are reviewed, including the atomic theory, evolution, and electromagnetism and their impact on the culture of the time. *Credit: 3 semester hours.*

Sociology (SOC) (Q)

1001 General Sociology

This is an introductory course about the nature of sociology, including the sociological perspective, principal theories, and the sociological method. Key topics are socialization, culture, deviance, groups and organizations, and inequality, as it relates to class, gender, and race/ethnicity. *Credit: 3 semester hours. (SI) SOC 1010.*

1002 Sociology of Institutions

Analyzes social institutions in contemporary society. Key institutions such as the economy, politics, family, religion, education and health are studied in detail. *Credit: 3 semester hours.*

1003 Group Dynamics

Prerequisite: SOC 1001. This course is about the dynamic nature of human group interaction and process. Key group characteristics, such as pressures to conformity, leadership, authority, power and influence, are examined in detail. The course provides students with the opportunity to develop practical skill through the analysis of group meetings, the transactions of its members and individual group adjustment. *Credit: 3 semester hours.*

1004 Organizational Sociology

Prerequisite: SOC 1001. This course examines the nature of organizations in American society, including their structures and outcomes. Key substantive areas of analysis include organizational processes, such as power, leadership and change, and organizational environments and interorganizational relationships. *Credit: 3 semester hours.*

1005 Introduction to Women's Studies

This course traces the development of women's studies as an academic field of inquiry. The specific concepts, issues, and methods of the field are explored in relation to their historical development and current articulations. These include gender construction and gender relations, systems of oppression and domination, the movement toward self-determination and social change. *Credit: 3 semester hours.*

1007 Sociology and Television

Television, as an important social institution, will be examined in terms of its reflection of and influence on society. The effects and messages of television programming are studied in detail with the intention of cultivating a critical interpretive eye in the viewer. *Credit: 3 semester hours. Open to CAS majors as a free elective only.*

1011 Urban Sociology

Prerequisite: SOC 1001 or 1002. This course examines the history, organization, and dynamics of life in American metropolitan areas—both cities and suburbs. Topics to be covered include community and neighborhood, urban lifestyles, ethnicity/race, crime, and inequality. *Credit: 3 semester hours. (SI) SOC 63.*

1020 Sociology of Violence in American Culture

"Is violence part of the American way?" The existence of violence examined in diverse cultural practices ranging from interpersonal relationships, child rearing, sports, television and movies. The functions of violence are examined and alternative cultural practices are evaluated. *Credit: 3 semester hour. Free elective only. Intersession and pre-session only.*

1021 Sociology of Community

The course examines the varied aspects of community life in general. Particular emphasis is placed on the economic, social, political and religious aspects of community development. The classes are devoted to identification of critical problems involving community, and include films and field trips. *3 credit hours. Intersession, pre-session and post-session.*

1025 The Sociology of Sport

An examination of the development and dynamics of sport in American society and an analysis of the social-psychological and social structural aspects of sport. *Credit: 3 semester hours.*

1026 Sociology of Deviance

This course examines deviant behavior, both historically and as it exists in contemporary society. The changing nature of deviance and deviants is an essential aspect of the course. Emphasis is placed on theoretical interpretations of deviance, as well as on concrete topics, such as deviance of elites, mental illness, deviance associated with male domination (domestic violence, rape and prostitution, for example) and sexual variance. *Credit: 3 semester hours.*

1027 Multi-Cultural Images in the Visual Media

This course explores the diverse range of multicultural images that have appeared in the visual media. These images are analyzed within a sociological perspective that assumes the media contributes to the reflection of society and the production of individual consciousness. *Credit: 3 semester hours.*

1028 The Sociology of White Collar Crime

The course examines the magnitude and costs of white collar crime. Particular emphasis is placed on employee theft, embezzlement and computer crime, fraud and deception, bribery and corruption, unfair business practices, violation of civil liberties, violations of worker safety laws, environmental crimes and unsafe business products. Different theories and solutions are presented. *Credit: 3 semester hours.*

1029 The Italian-American Experience

The Italian-American family and community from 1880 to the present are examined. Economic, social, political and religious experiences of this group are analyzed. *Credit: 3 semester hours.*

1031 The Sociology of Work

This course surveys the sociology of work from classical and contemporary perspectives. Students examine contrasting sociological theories so as to gain an understanding of the complexity of the subject, including macro theories that offer perspectives on how work is organized and micro theories that identify and explain the patterns of behavior of individuals in organizations. *Credit: 3 semester hours.*

1032 The Sociology of Thriller Films

This course will offer a sociological examination and analysis of thriller films, including the thriller film as genre, the content of thriller films and reasons for the pervasive and widespread attraction of thriller films in Western society. Various theoretical perspectives will be utilized in the analysis, including symbolic interactionism, Freudian theory, Marxist theory and Mertonian functionalism. *Credit: 3 semester hours.*

Speech (SPE) (Queens)

1000C Public Speaking for the College Student

See description under University Core Courses.
Credit: 3 semester hours.

1005 Group Communication

Prerequisite: SPE 1000C. A study of how groups interact with one another. Participation and leadership roles; learning to negotiate, define issues, and conduct panel discussions; feedback in group discussion; and status, power, self-defense is reviewed.
Credit: 3 semester hours.

1010 Speaking for Success

Prerequisite: SPE 1000C. A course designed for the student who wishes to speak more effectively both professionally and socially. A practical approach to improving speaking skills.
Credit: 3 semester hours.

1012 Oral Presentation of American Multi-Cultural Literature

Prerequisite: SPE 1000C. Students deliver readings chosen from a wide variety of multi-cultural literary backgrounds, including, among others, African-American, Hispanic-American, Asian-American, Irish-American, Italian-American and Jewish-American.
Credit: 3 semester hours.

1013C (LAC 1000C) Language and Intercultural Communication

This course examines communication as it affects and is affected by culture. Topics include barriers to effectiveness, competent intercultural communication in ethnic, intergenerational, gender and deaf subcultures; and recent international problems and issues from an intercultural perspective.
Credit: 3 semester hours. (Q, SI)

1014 Persuasion and Debate

Prerequisite: SPE 1000C. Application of persuasive communication for contemporary issues and problems. Ways of preparing and delivering persuasive messages. Debate theory and practice, including reasoning, analysis, critical thinking, use of evidence and strategies.
Credit: 3 semester hours.

Sport Management (SPM) (Queens, Staten Island)

1001 Philosophy, Principles and Organization of Sport Management

This introduction to the professional area of sport management discusses basic philosophy and principles of sport at all levels. The term sport refers to all recreational competitive sports, exercise and fitness activities and dance. Management encompasses the activities associated with administration, supervision and leadership. *Credit: 3 semester hours.*

1003 Current Issues in Sport

The current state of organized athletic activity in the United States as background for discussion of topical issues and concerns; among those considered: violence, drug abuse, recruiting practices, role of media, labor relations. *Credit: 3 semester hours.*

1004 Managerial Aspects of Sport Management

Prerequisites: AAD 1001 and MGT 1001. This course examines the development of sport management theory and practice and analyzes and compares various successful management styles. *Credit: 3 semester hours.*

1006 Seminar in Sport Administration

Prerequisite: SPM 1004. An intensive study of the field of sports and sports management. Guest experts from professional, amateur, collegiate and interscholastic sports organizations assist in discussions.
Credit: 3 semester hours.

1007 Internship in Sport Management

Prerequisite: Fulfillment of College requirements for the internship and permission of the Program Director. Off-campus experience in an area of athletics administration at the secondary school, college or professional level or in the recreation field, under the supervision of the Director. A log of activities is among the course requirements. *Credit: 6 semester hours.*

1008 Sports in America—Seventeenth to Twentieth Centuries

A chronological detailed study of amateur and professional sports in the United States—their origins and developments to present day.
Credit: 3 semester hours.

1009 Psychology of Coaching

The basic objective of the course is to introduce the student to the relationship of psychological factors to the coaching of athletes. *Credit: 3 semester hours.*

1010 Legal Aspects of Sport Management

Prerequisite: BLW 1001. Introduces legal issues that confront contemporary organized athletics and sport management. Examines the role of legal services within sports organizations and in individual athlete representation. *Credit: 3 semester hours.*

1012 Health Sciences Applied to Coaching

Prerequisite: 3 credits in biology. This course is an overview of health sciences applied to sport/anatomy, exercise physiology, and sport psychology. The physical conditioning of athletes, pharmacology in sports, use of licit and illicit drugs; prevention and care of athletic injuries, therapeutic modalities, and sport nutrition are also examined.
Credit: 3 semester hours.

1014 Stadium and Arena Management

The problems related to planning, designing, financing, and selecting of sites for a new stadium or arena, or leasing existing facilities. Field trips are included. *Credit: 3 semester hours.*

1015 Introduction to Race Track Management

The history and development of horse racing and thoroughbred and harness race track operations are the subjects of this course. Contemporary concerns affecting race track management are considered. (*Limited to juniors and seniors.*) *Credit: 3 semester hours.*

1018 Public and Media Relations in Athletics

The writing and preparation of press releases, production of media brochures and programs; conducting press conferences; design of schedule cards and tickets; production of recruiting brochures are areas of focus.
Credit: 3 semester hours.

1020 Internship in Sport Management

For description, please see SPM 1007.
Credit: 3 semester hours.

1021 Internship in Sport Management

For description, please see SPM 1007.
Credit: 9 semester hours.

1022 Sport Marketing

Prerequisite: MKT 1001. Techniques of marketing for individual and team sports on a professional and college level are studied.
Credit: 3 semester hours.

1029 Theory and Techniques of Effective Coaching

This course will examine the basic concepts common to all sports in a variety of settings. Other topics considered will be specific performance skills, technical information and effective organization and management practices. The special training and conditioning of the athletes in specific sports, equipment fitting and specific safety precautions along with officiating methods will be introduced. Special attention will be given to the history of New York State interschool athletics.
Credit: 3 semester hours.

1030 First Aid and Injury Prevention

A precise and comprehensive overview of the recognition and management of common sports injuries, including causes, symptoms and preventative procedures, with emphasis on comprehensive CPR, CPR Professional Rescuer and First Aid. *Credit: 3 semester hours.*

1031 Sport Management Practicum in Athletics Coaching

Supervised study and participation in coaching at the secondary school.
Credit: 3 semester hours.

1032 The Economics of Sport

Prerequisite: ECO 1001. A study of contemporary sports using an economics approach. Issues including the wages of professional athletics, the impact of competitive balance on team profits, the alleged exploitation of student-athletics, and the pricing of television rights are subjected to economic analysis. *Credit: 3 semester hours.*

SPM 2000 courses are International Sport Management Study Abroad Courses

2000A International Sport Management (Semester Abroad) The Emergence of Modern Sport

The course examines the following processes: the medieval roots of modern sports forms, the emergence of modern sports and its link with the process will be considered.
Credit: 3 semester hours.

2001A Dilemmas in Modern Sport

This course examines the issues that are central to modern sport, including sport and health, sport and drugs, sport and the emotions, careers in sport, race and sport, refereeing and managerial succession. *Credit: 3 semester hours.*

2002A Strategic Thinking in the Management of Sport

This course aims to develop in students the capacity to apply the sociological perspective to a range of managerial problems in the area of strategic management and policy.
Credit: 3 semester hour.

2003A Business Management and Strategy

This course aims to enable students to have an understanding of the competitive processes which firms employ; the forces that shape strategic decisions and the generic strategies that might be pursued. *Cross-listed as: ECO 2003. Credit: 3 semester hours.*

Telecommunications (TEL) (Queens)

1001 Survey of Telecommunications

Prerequisite: any 3 CUS credits. The purpose of this course is to provide an introduction to telecommunications, including such topics as: communications hardware, communications channels, modulator/demodulators, communications media, data transmissions codes and protocols, communications software packages, local area networks, wide area networks, value added networks, planning and analyzing communications networks.
Credit: 3 semester hours.

1005 Telecommunication Analysis

Prerequisite: any 3 CUS credits. Issues and techniques in the analysis, design and implementation of telecommunications systems. Topics include telecommunications platforms, design considerations, pricing, value added networks and network design variables.
Credit: 3 semester hours.

1011 Networking Fundamentals (Cisco Academy Semester I)

Prerequisite: TEL 1001 or TEL 1005 or CUS 1124. This course is an introduction to network standards and concepts, topology, and terminology, including LANs, WANs, the OSI model, cabling, IP addressing, networking hardware, and various LAN protocols.
Credit: 3 semester hours.

1012 Fiber Technologies

Prerequisite: TEL 1001 or TEL 1005. Introduction to fiber optic technology, cabling, light sources, transmitters, receivers, repeaters, connectors, and standards.
Credit: 3 semester hours.

1015 Routers and Router Concepts (Cisco Academy Semester II)

Prerequisite: TEL 1011 (Cisco Academy Semester I). In this course, the student will be introduced to router concepts and terminology, including router components, configuration, and introduction to LAN switching, routed and routing protocols. *Credit: 3 semester hours.*

1017 Introduction to the World Wide Web

A hands-on course introducing students to using the World Wide Web to access and retrieve information to communicate with individuals and groups and to publish their own work on the Internet/Intranet.
Credit: 3 semester hours.

1021 Telecommunications Regulation

Prerequisite: TEL 1001 or TEL 1005. An introduction to federal regulation of telecommunications and other electronic mass media. Technology, public policy issues, the nature of regulation and First Amendment issues are covered. *Not open to students who have taken CUS 1175. Credit: 3 semester hours.*

1022 Telecommunications Electronics

Prerequisite: TEL 1001 or TEL 1005. An introduction to the electronics used in the telecommunications; modulation, transmission lines, multiplexing, switching, interfaces, communication systems. *Credit: 3 semester hours.*

1023 Network Security

Prerequisite: TEL 1001 or 1005 or CSS 1001. An examination of the principal methods for maintaining security and integrity of communication transmissions, authentication, and security protocols. Cf. CSS 1011.
Credit: 3 semester hours.

1024 Network Perimeter Security

Prerequisite: CSS 1001 or TEL 1001 or TEL1005. This course introduces firewalls and the network security components that can work together to provide an in-depth defensive perimeter around a local area network. Accordingly, this course examines firewalls in context with the other elements needed for effective perimeter security as well as security within a network. These include packet filtering, authentication, proxy servers, encryption, bastion hosts, virtual private networks, log file maintenance, and intrusion detection systems. Different firewall configurations will also be examined. Cf. CSS1012. *Credit: 3 semester hours.*

1025 Switching, Design Practice and LAN Design (Cisco Academy Semester III)

Prerequisite: TEL 1015 (Cisco Academy Semester II). Introduction to classless routing, single-area OSPF, EIGRP and troubleshooting routing protocols, switching concepts LAN design and switches, Spanning Tree Protocol and Virtual LANS. *Credit: 3 semester hours.*

1031 Data Communications

Prerequisite: TEL 1001 or TEL 1005. An overview of data communications, networking, communications architecture and standards; data transmission; data encoding; digital data communications techniques; data link control; networking techniques, packet switching; protocols and architecture; and network simulation software. Cf. CUS1184.
Credit: 3 semester hours.

1032 Telephone Systems

Prerequisite: TEL 1001 or 1005 or CUS 1124. An introduction to the past, present and future designs of telephone systems. Emphasis is placed on the development of the current telephone system, its rate structure and competitive alternatives. *Credit: 3 semester hours.*

1033 WAN and TCP/IP

Prerequisite: TEL 1001 or 1005. A comprehensive explanation of the workings of wide area network (WAN) from the underlying hardware to the protocols needed at each layer to the layers and protocols of TCP/IP. *Credit: 3 semester hours.*

1035 WAN Technologies and WAN Design (Cisco Academy Semester IV)

Prerequisite: TEL 1025 (Cisco Academy Semester III). Scaling IP addresses, WAN Technologies overview, PPP, ISDN and DDR, Frame Relay and introduction to network administration. *Credit: 3 semester hours.*

1091 Telecommunications Internship

Prerequisite: Permission of the Director. Supervised practical experience. To better prepare majors for their professional careers. *Open only to juniors and seniors majoring in telecommunications. Credit: 3 semester hours.*

1092 Telecommunications Internship

Prerequisite: Permission of the Director. Supervised practical experience to further prepare majors for their professional careers. *Open only to juniors and seniors majoring in telecommunications. Credit: 3 semester hours.*

Television and Film Studies [See Communications]

Theology (THE) (Queens)

Students pursuing an associate degree are required to complete THE 1000C. All students registered in a bachelor's degree program are required to complete THE 1000C and two other courses, one from the 1040 series and any other course. THE 1000C is a prerequisite for all other theology courses.

1000C Perspectives on Christianity: A Catholic Approach

See description under University Core Courses.
Credit: 3 semester hours.

1001=2100 Introduction to the Bible

Introduction to the history, literary forms and theology of the Old and New Testaments. The Old Testament concentration includes Deuteronomical history, the prophets and wisdom literature. The New Testament concentration includes the Gospels and Pauline literature.
Credit: 3 semester hours.

1020=3100 The Gospels of Matthew, Mark and Luke

This course explores the message of and about Jesus of Nazareth found in the oldest written Christian narratives concerning him, called "gospels." Special attention is given to forces that shaped the memory of Jesus' story by early Christian communities.
Credit: 3 semester hours.

1030=2200 The Mystery of God

The Christian theology of the triune God, with its implications for issues such as faith and reason, theological language, Christian praxis, and dialogue with other religious traditions.
Credit: 3 semester hours.

1040=2300 Christian Responsibility

An overview of Christian ethics, including introductory moral foundations and selected ethical issues in individual and social morality on the basis of Christian revelation.
Credit: 3 semester hours.

1042=3300 Moral Theology of Health Care

An exploration of moral decision making as it relates to the health care professions, with attention to specific issues, including the right to health care, social justice and health; conscience, abortion, euthanasia, prolongation of life, genetics, contraception, sterilization, drug use, chemical addition, human experimentation, professional competence and the principles of governing cooperation. *Credit: 3 semester hours.*

1045=3230 Christian Marriage

An exploration of the theological, psychological and sociological dimensions of marriage and family life. This course places particular emphasis on marriage as a sacrament, on the sacredness of family, and on the challenges related to contemporary family life. It compares elements of Christian marriage theory and practice with that of other religious traditions. *Credit: 3 semester hours.*

1046 Just War Theory: Traditions in Catholic Moral Theology

Prerequisite: THE 1000C. This course addresses the foundations, theory and application of traditional Catholic thought vis-à-vis just war. Catholic moral theology understands humans as finite, sinful, and graced. Within this theological anthropology, this course will consider the many issues involved in war. *Credit: 3 semester hours.*

1050=2810 Religions of the World

A critical introduction to the study of world religions, exploring the beliefs, rituals and ethical ideals of representative religious manifestations of the past and present. Characteristic traits and patterns in tribal, imperial, naturalistic, mystical and national religions. *Credit: 3 semester hours. Spring.*

1052=3240 Women and Theology

The emergence of a theology of women, stressing personhood; scripture and Christian traditions concerning women are joined with a study of present Church and world needs. Open to men and women. *This course can be applied to the women's studies minor. Credit: 3 semester hours. Spring.*

1053 Feminist/Womanist Theology

A critical introduction to feminist/womanist theology primarily from within the Christian tradition, although reference to other traditions will be offered. This course will be explored through three perspectives—historical, theological and critical. *Open to men and women. This course can be applied to the women's studies minor. Credit: 3 semester hours. Fall.*

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As an added means of fulfilling its Mission Statement, the University inaugurated its Academic Service-Learning Program in 1995. This program facilitates the implementation of the Mission Statement by members of the University community and calls on them to be mindful of its Vincentian character and tradition as many of the service projects focus on the poor, the marginalized, immigrants and groups and individuals with special needs. The Mission Statement commits the University to community service programs, which combine with reflective learning to enlarge the classroom experience.

In Academic Service-Learning, faculty specialists in the professions or in the humanities link service to the community with academic and career goals. A variety of assignments challenge students to achieve carefully crafted teaching objectives in an experiential hands-on setting, through reflection and analysis while experiencing the value of service. Since its inception, the program has been adopted as a teaching method by faculty in every department from fine arts to pharmacy, marketing to modern languages. Their support clearly shows that students learn better when exposed to the real-life context of the classroom issues—when challenged by community needs and called to offer their best to the people they encounter.

There are many opportunities for a St. John's education to include an Academic Service-Learning component as the program has expanded and is available on four campuses—Queens, Staten Island, Manhattan and Rome. If you wish further information about the program, you may contact Janet Mangione, Associate Director of Academic Service-Learning, Bent Hall, Garden Level, Room 5, (718) 990-6268 or e-mail mangionj@stjohns.edu.

Guidelines Determining Eligibility for Students with Disabilities

- St. John's University students requesting accommodations for a disability must present documentation of the disability to the Student Life Administrator on the appropriate campus for verification of eligibility.
- The evaluation must have been completed by a qualified, certified and/or licensed professional (physician, health care provider, psychologist/psychiatrist) who has experience with an adolescent and adult population. The professional's credentials must appear on the documentation and the documentation must be dated within three years of the request for accommodation.

- The Evaluator must include in the test report evidence that instruments selected are reliable and valid for use with an adolescent or adult. Documentation of an impairment alone may not be sufficient to require that the student be provided a reasonable accommodation. It must be demonstrated that the impairment rises to the level of a disability according to the Americans with Disabilities Act. For example, the impairment must substantially limit or restrict a major life activity as compared to the average person in the general population.
- The Student Life Administrator will review the documentation and the request for accommodation will be determined. When necessary, specific academic units will be consulted regarding the accommodation requested. If the presented documentation is sufficient the student will meet with the Student Life Administrator regarding appropriate accommodations at St. John's University.
- A student, having dissatisfaction with the decision for accommodation granted, has the right to appeal the decision in accordance with the University's "Policy Against Discrimination and Sexual Harassment and Related Grievance Procedures."
- The Student Life Administrator may be contacted regarding specific documentation required or for explanation of this policy.

All documentation will be kept confidential in accordance with legal requirements and should be submitted directly to:

Queens campus

Jackie Lochrie, Director of Student Services
St. John's University
Office of Student Life
8000 Utopia Parkway
Queens, NY 11439
Tel (718) 990-6568
Fax (718) 990-1853

Staten Island campus

Denise Hopkins, Interim Dean of Student Life
St. John's University
Office of Student Life
300 Howard Avenue
Staten Island, NY 10301
Tel (718) 390-4445
Fax (718) 390-4531

Students

Seventy-eight percent of first-time, full-time baccalaureate degree-seeking freshmen who entered in the Fall of 2005 returned in the Fall of 2006. Fifty-nine percent of first-time, full-time baccalaureate freshmen who entered in the fall of 2000 graduated within six years.

Our teacher preparation program is approved by the New York State Education Department and is accredited by the Teacher Education Accreditation Council (TEAC). Ninety-six percent of students on the Queens campus and ninety-seven percent of students on the Staten Island campus who graduated from a teacher preparation program at St. John's University during the 2005-2006 academic year took and passed the New York State Teacher Certification exams, compared to 95% statewide. As of Fall of 2006, there were over 1,500 students in teacher preparation programs. A student spends 26-35 hours a week student teaching depending on the program.

Officers of Administration

Donald J. Harrington, C.M., B.A., M.Div., Th.M., Mary Immaculate Seminary College; LL.D. (Hon.), St. John's University; Ph.D. (Hon.), Fu Jen University; D.Hum. (Hon.), American University of Rome, Italy; D.Hum. (Hon.), Dowling College; Pd.D. (Hon.), St. Thomas Aquinas College; S.T.D. (Hon.), Niagara University; Litt.D. (Hon.) Kokushikan University;
President

Michael J. Carroll, C.M., B.A., Niagara University; M.Div., Th.M., Mary Immaculate Seminary College; M.A., Loyola University;
Executive Vice President for Mission and Branch Campuses

James P. Pellow, B.B.A., M.B.A., Niagara University; Ed.D., University of Pennsylvania; Litt.D. (Hon.), Kokushikan University; *Executive Vice President and Chief Operating Officer*

Julia A. Upton, R.S.M., B.A., Ohio Dominican College; M.A., English, M.A., Theology, St. John's University; Ph.D., Fordham University;
Provost

Brij Anand, B.S., Vikram University; M.B.A., Brooklyn Polytechnic Institute; *Vice President of Facilities*

Cecilia S. Chang, B.A., Tamkang University; M.S., M.B.A., St. John's University; Ed.D., Columbia University; *Vice President for International Relations*

John P. Connolly, Jr., B.S., M.B.A., St. John's University; *Vice President and Director, Oakdale Campus*

Joseph V. Daly, C.M., B.A., Mary Immaculate Seminary College; M.A., M.S., St. John's University; LL.D. (Hon.), Niagara University; *Assistant to the President and Assistant Secretary*

Dorothy E. Habben, B.A., Adelphi University; M.A., St. John's University; Ph.D., New York University; *Vice President and University Secretary*

Clover Hall, B.Sc., University of the West Indies; M.B.A., Columbia University; Ed.D., Fordham University; *Vice President for Institutional Research and Academic Planning*

Mary T. Harper Hagan, B.A., Trinity College; *Senior Vice President for Human Resources and Institutional Planning and Research*

Thomas J. Lawrence, A.A.S., Nassau Community College; B.A., Long Island University; *Vice President for Public Safety*

James J. Maher, C.M., B.A., St. John's University; M.Div., Th.M., Mary Immaculate Seminary College; D.Min., Seminary of the Immaculate Conception; *Vice President for Student Affairs*

Brenda Majeski, B.B.A., Marshall University; M.B.A., University of Virginia; *Senior Vice President for Enrollment, Marketing and Communications*

André McKenzie, B.S., M.S., Illinois State University; M.Ed., Ed.D., Columbia University; *Vice President for Academic Support Services*

Thomas Nedell, B.B.A., Boston College; C.P.A., Massachusetts; M.B.A., St. John's University; *Vice President for Business Affairs and Treasurer*

Anthony R. Pacheco, B.S. Arch., City College, New York; M. Arch., Arizona State University; *Vice President and Chief of Staff*

Joseph Sciame, B.S., St. John's University; *Vice President for Community Relations*

Pamela Shea-Byrnes, B.S., M.A., St. John's University; *Vice President for University Ministry and University Events*

Joseph J. Tufano, B.A., M.A., St. John's University, M.S., Polytechnic Institute of New York; *Vice President for Technology and Chief Information Officer*

Rob Wile, B.S., St. John's University; *Chief of Staff to the President and Acting Vice President for Institutional Advancement*

Recognition/Accreditation

American Association for Accreditation of Laboratory Animal Care

The Association to Advance Collegiate Schools of Business (AACSB International) (Business and Accounting)

American Bar Association

American Chemical Association

Accreditation Council on Pharmaceutical Education

American Library Association

American Psychological Association

American Speech-Language-Hearing Association (ESB)

Association of American Law Schools

Middle States Association of Colleges and Schools

National Association of Schools of Art and Design

State Education Department of New York

The University maintains membership in some 200 professional organizations.

The University was founded by the Vincentian Community and is Chartered by the Regents of the University of the State of New York.

Facilities

Queens Campus

The Queens campus housing the principal administrative offices of the University, is located on a 95.5 acre tract in the Hillcrest section of the borough.

Belson Hall and Finley Hall house the administrative offices, the Law Library, Law Admission, Law Career Services, Elder Law, Law Clinic, Moot Court Room, classrooms, faculty offices, student lounges and a cafeteria and other areas to support the School of Law.

Bent Hall houses the Peter J. Tobin College of Business, College of Professional Studies, Center for Teaching and Learning, Student Life, Criminal Justice, ESL Program, Office of Study Abroad Programs, Professional Development and Training Center, Printing and Distribution Services, and University Mail Services. It also contains faculty offices and an auditorium.

Carnesca Arena, the athletic center, houses the main gymnasium seating over 6,000, an auxiliary gymnasium, weight training, various athletic activities rooms, coaches' offices, the Fitness Center, the Little Theatre, classrooms for hygiene and physical education and the Faculty Club. The Belson Soccer Stadium and varsity baseball field are also located on the Queens campus.

Chiang Ching-Kuo Hall houses the Office of Human Resources, Compliance Office and Payroll.

DePaul Complex houses the Speech and Hearing Center.

Newman Hall houses the central University executive and administrative offices. It also houses the University Computer Center, Information Technology, Enrollment Management, International and Graduate Admission, University Ministry, Marketing and Communications, Bursar, Registrar and Financial Aid.

Residence Village is the on-campus housing environment that contains the six residence buildings, Carey Hall, DaSilva Hall, Century Hall, Donovan Hall, Hollis Hall, Montgoris Dining Hall, O'Connor Hall, women's softball field, Health offices and Customer Service Center.

St. Albert the Great Hall houses the College of Pharmacy and Allied Health Professions the science departments, Environmental Health and Safety. In addition to classrooms, science laboratories and faculty offices, the building also contains an auditorium and an animal care facility.

St. Augustine Hall, the center of the University library system, has a capacity exceeding 1,000,000 volumes. The building includes among its special facilities seminar rooms, carrels, exhibition areas, Writing Center, Media Center, Jazzman's Cafe, Library and Information Science, the Health Education Resource Center, the Language Laboratory and the University Freshman Center.

St. John the Baptist Hall houses St. John's College, the Graduate Division of Arts and Sciences, Media Relations, the Division of Special and Opportunity Programs and the Chaplain. It contains fine arts studios, photography darkrooms, classrooms and faculty offices.

Lourdes Hall houses Institutional Research, and Vincentian Service Corps.

St. Louise de Marillac Hall houses Office of Alumni Relations, Conference Services, Campus Ministry and the closed-circuit Television Center. Additional facilities include classrooms, faculty offices, the Counseling Center, Office of University Events, an auditorium and a food court. Marillac Terrace is a glass-fronted extension of Marillac food court with seating for over 300. An information desk is located in this area at which newspapers and candy are sold. The lower level of this extension houses the University Bookstore, and The Follett Group, Inc.

St. Thomas More Church is located on the Great Lawn and is the spiritual center of the Queens campus. During the academic year, Mass is celebrated Monday through Friday at 8 a.m. and 12:15 p.m.; the sacrament of Reconciliation is offered at 11:30 a.m.; Sunday Mass is at 11 a.m. and 5:30 p.m. (Student Mass)

St. Vincent de Paul Hall, the priests' faculty residence, provides living accommodations for the Vincentian Fathers. The first floor of this building houses the Office of Undergraduate Admission and the Vincentian Center for Church and Society. Other facilities include a dining room, a library, a recreation room and conference rooms.

Sullivan Hall houses the offices of Institutional Advancement, School of Education, as well as the Academic Technology Center, classrooms, lecture rooms and special purpose teaching facilities.

Sun Yat Sen Hall houses the Center of Asian Studies and Chung-Cheng Art Gallery.

Taffner Field House has a total square footage of 42,844, and it has an entry/exit directly connected to the existing Carnesecca Arena. It houses two recreational basketball courts, two varsity basketball courts, two team locker rooms, bathrooms, shower rooms and lounges, two recreation locker rooms, bathrooms and shower rooms, a community lounge area, a weight training room, a medical training room, a team classroom, a storage room, and offices of the basketball coaches.

The Second Lt. Thomas J. McDonald Reserve Training Center is named for a distinguished alumnus of St. John's College who was killed in World War II. It was erected by the federal government on a portion of the campus leased from the University. Students of St. John's are eligible to join the Reserve units from the surrounding community that train in this building. The ROTC facilities, are also housed here. (Facilities/Design & Construction, Public Safety, Storm Card office.)

University Center, the hub of campus extracurricular activities, houses the Commons, the Office of Student Life (U.C.), the Lounge, Student Organization offices, meeting rooms, mailboxes and offices for student organizations. The C.A.U.S.E. trailer is located directly behind the University Center.

Staten Island Campus

The Staten Island campus is located on 16.5 acres on Grymes Hill in the borough of Richmond. The Internet and University Intranet can be accessed in over 90% of the campus (including all buildings) via our wireless network.

The Campus Center contains the Office of Student Life, the Health Office, Student Government, Inc. and conference room. The lower level houses the campus cafeteria, which offers a variety of hot entrees, sandwiches and fast food items, accommodates over 400 people, has a recreation room with pool tables, comfortable seating and large-screen TV, and a newly renovated atrium. The gymnasium is located on the upper level.

DaSilva Academic Center contains technology equipped classrooms, St. John's College faculty offices, the School of Education Dean's and faculty offices, Information Technology, Counseling and Testing Center for Technology, the Staten Island Bank and Trust Foundation New Learning Initiatives room, the Richmond County Savings Foundation Technology Center, faculty and student lounge space and vending machines.

Flynn Hall, the administration building, houses the following: Office of the Executive Vice President, Office of Provost, St. John's College Dean's Office, University Freshman Center, Offices of the Registrar, Office of the Bursar, a mailroom, conference/meeting rooms and the Campus Boardroom.

Kelleher Center houses the Office of Admission, the Office of Financial Aid, the Campus Bookstore, the Fitness Center, the Presidential Room and conference/meeting rooms.

Lavelle Hall contains technology-equipped classrooms, the St. Vincent de Paul Chapel, an office for Campus Ministry, the Honors Program Office, classroom, Career Center and Special Opportunity Programs.

The Loretto Memorial Library houses over 134,000 volumes of books, periodicals, microfilm and microfiche, which support the undergraduate and graduate programs. Computer terminals located throughout the Library provide access to numerous databases, including the catalogs of three St. John's libraries and other consortium libraries, journal citation databases and full-text document service. Cooperative arrangements with other libraries provide regional, national and international access to materials. The Library also houses the Learning Resource Center.

Mahoney Hall contains technology-equipped classrooms, the Writing Center, Honors Lounge, and the psychology laboratory. The Rathskeller Student Lounge, located on the lower level, offers comfortable seating and a variety of beverages and snack items via vending machines.

Notre Dame House houses the Office of Facilities Services and Office of Campus Ministry.

Rosati Hall houses the College of Professional Studies Dean's and faculty offices.

Spellman Hall houses The Peter J. Tobin College of Business Dean's and faculty offices. The west end of Spellman Hall houses the Campus Coffee House and Public Safety.

Directions

Queens Campus

By Automobile

From Long Island: Northern State Parkway onto Grand Central Parkway, exit at 188th Street. Left at light and sharp right onto service road; continue to campus; or exit at 168th Street, right turn onto service road and continue to campus.

Southern State Parkway to Cross Island Parkway (North) onto Grand Central Parkway (West); proceed as above.

Long Island Expressway, exit at Utopia Parkway (exit 25), left on Utopia to Union Turnpike.

From the Bronx: Triboro Bridge to Grand Central Parkway (East), exit at Utopia Parkway. Left at light to campus.

Throgs Neck Bridge to Clearview Expressway (South) to Union Turnpike (West) exit. Right on Union Turnpike to Gate 4 (175th Street).

From Westchester, Rockland and Connecticut: Proceed as from the Bronx.

From Brooklyn: Jackie Robinson (Interboro) Parkway onto Grand Central Parkway, exit at Utopia Parkway (exit 25). Left at light to campus.

Belt Parkway to the Van Wyck Expressway, exit at Main Street, continue to Union Turnpike, right to campus.

From Manhattan: Queens Midtown Tunnel onto Long Island Expressway, exit at Utopia Parkway (exit 25), right on Utopia to Union Turnpike.

From New Jersey: George Washington Bridge onto Cross Bronx Expressway to Throgs Neck Bridge to Clearview Expressway (South). Proceed as under Bronx above. Verrazano-Narrows Bridge to Belt Parkway to Van Wyck Expressway. Proceed as under Brooklyn.

By Public Transportation

I.N.D.: "E" or "F" train to Union Turnpike Kew Gardens station. Q-46 bus to Utopia Parkway and Union Turnpike. "F" train to 169th St. station. Q-30 bus or Q-31 bus to St. John's University.

I.R.T.: Flushing subway to Main St., Flushing; Q-17 bus to Utopia Parkway and Long Island Expressway. Transfer to Q-30 or Q-31 bus for St. John's University.

L.I.R.R.: Jamaica Station. Q-30 or Q-31 bus to 169th St. and Hillside Ave. Flushing station. Q-17 bus to Utopia Parkway and Long Island Expressway. Transfer to Q-30 or Q-31 bus for St. John's University.

Bus: Express bus from Manhattan to Queens campus via Union Turnpike. Additional bus lines serve the immediate vicinity from Nassau, Queens, Brooklyn, Manhattan and the Bronx.

Staten Island Campus

By Automobile

From Manhattan: West Side Highway or F.D.R. Drive to Brooklyn-Battery Tunnel. Follow signs "Staten Island" and/or "Verrazano-Narrows Bridge" to Staten Island. Take Staten Island Expressway (Interstate 278) West to the Richmond Road/Clove Road exit. Proceed on service road past two traffic signals and turn right at the third (Clove Road). Turn right at the next traffic light (Howard Avenue) and proceed approximately one mile on Howard (eight minutes from bridge).

Take the Staten Island Ferry from South Ferry, Manhattan to St. George, S.I., and proceed as from St. George.

From St. George: Proceed straight into Bay Street. Turn right at Victory Boulevard. At Eddy Street (opposite Silver Lake), turn left. At the end of Eddy Street turn right on Howard Avenue to Greta Place, which leads to the campus.

From Brooklyn: Belt Parkway or Brooklyn-Queens Expressway to Verrazano-Narrows Bridge; proceed as from Manhattan.

From New Jersey: Via Bayonne or Goethals Bridge, stay on Staten Island Expressway (Interstate 278 East) to the Richmond Road/Clove Road exit. Follow service road to first traffic light. Turn left onto Clove Road. Turn right at Howard Avenue (second light) and proceed approximately one mile on Howard. Campus is on the left. Via Outerbridge Crossing—follow West Shore Expressway (Rte 440N) to Staten Island Expressway (278 East) and proceed as above.

By Public Transportation

From Manhattan: Staten Island Ferry from South Ferry, Manhattan to St. George, S.I., and follow directions from St. George to the campus.

From St. George, S.I.: Buses marked S61, 62, 66, or 67. Get off at Clove Road and Victory Boulevard and transfer to Grymes Hill shuttle bus direct to Arlo Road, adjacent to the campus.

From Brooklyn: Take the S53 bus (at 86th St. and Fourth Avenue) across Verrazano-Narrows Bridge to Clove Road and Howard Avenue. Transfer to Grymes Hill shuttle bus direct to Arlo Road, adjacent to the campus.

Manhattan Campus

By Automobile

From Western Upstate New York: New York State Thruway to Route 81 south, to Route 17 East, to New York State Thruway at Harriman, New York. Proceed to Palisades Parkway, to George Washington Bridge, to Henry Hudson Parkway, which becomes the West Side Highway South. Proceed past Canal Street, past Borough of Manhattan Community College, and turn left on Murray Street.

From Eastern Upstate New York: Take the Major Deegan Expressway (Route 87) to the Triboro Bridge, cross the bridge to Manhattan and onto the FDR Drive South. Exit at 23rd Street. Proceed west on 23rd Street across town to the West Side Highway (West Street). Turn left and go past Canal Street, past the Borough of Manhattan Community College, and turn left on Murray Street.

From New Jersey: Proceed through the Holland Tunnel to Canal Street; go past Hudson Street and turn right on Varick Street, which feeds into West Broadway. Stay on West Broadway to Murray Street, turn right on Murray Street, and proceed two blocks to the campus.

From Long Island: Take the Long Island Expressway to the Midtown Tunnel. Proceed west to the West Side Highway (West Street). Make a left turn and go past Canal Street, past the Borough of Manhattan Community College, and turn left on Murray Street.

Pay parking is available at Park Right Corp. at the corner of West Street and Murray Street, near the Embassy Suites.

By Public Transportation

I.N.T. Trains

A, C, E Trains: Take subway to Chambers Street station. Walk south on Church Street. Walk west on Murray Street to campus.

N, R Trains: Take subway to City Hall station. Walk south on Broadway. Walk west on Murray Street to campus.

I.R.T. Trains

1,2,3,9 Trains: Take subway to Chambers Street station. Walk south on West Broadway. Walk west on Murray Street to campus.

4,5,6 Trains: Take subway to Brooklyn Bridge/City Hall station. Walk south on Park Row. Walk north on Broadway. Walk west on Murray Street to campus.

NJ Path Trains

From New Jersey: Take 33rd Street train to Christopher Street station. Take 1,9 trains to Chambers Street station. Walk south on West Broadway. Walk west on Murray Street to campus.

From 33rd Street/Herald Square: Take Hoboken train to Christopher Street station. Take 1,9 trains to Chambers Street station. Walk south on West Broadway. Walk west on Murray Street to campus.

NY Waterway Ferries

Hoboken South, NJ - World Financial Center: Walk north on North End Avenue. Walk east on Murray Street to campus.

Colgate, Jersey City, NJ - World Financial Center: Walk north on North End Avenue. Walk east on Murray Street to campus.

Port Imperial, Weehauken, NJ - World Financial Center: Walk north on North End Avenue. Walk east on Murray Street to campus.

Oakdale

By Automobile

From the Long Island Expressway (L.I.E.)

Eastbound: Take L.I.E. (I-495) eastbound to Exit 53S, south to Sagtikos State Parkway to Exit S4/Southern State Parkway eastbound. Then, follow directions from Southern State Parkway.

From the Southern State Parkway

Eastbound: Use Exit 44 East (Montauk), and get on Sunrise Highway (27) eastbound. Follow directions from Sunrise Highway west of Oakdale.

From Sunrise Highway West of Oakdale:

Take Sunrise Highway (27) eastbound until you see a sign for Oakdale–Montauk Highway (Rte. 85). Exit Sunrise Highway on your right, and at the light, make a left turn. Bear right going over a small bridge. From here, follow directions "From Oakdale" (below).

From Oakdale: Drive through Oakdale passing five traffic lights. (The Oakdale shopping plaza is on your left after the fifth light.) After this light, you should see the west entrance of the campus on your right. Enter the campus and proceed until you come to a gate. Turn left. "The Mansion" (Administrative Offices) is approximately 100 feet on your right.

From Sunrise Highway East of Oakdale:

Take Sunrise Highway (27) westbound to Exit 48, Locust Avenue/Oakdale-Bohemia. At the light, make a left onto Locust Avenue south. Proceed southbound on Locust for 2 miles until you reach the end, which is Montauk Highway (27A). Make a right onto Montauk Highway, and take your immediate left onto the west entrance of the campus. Proceed until you come to a gate. Turn left. "The Mansion" (Administrative Offices) is approximately 100 feet on the right side.

By Public Transportation

From New York City: Take L.I.R.R. to the Oakdale station. Take the Suffolk County Transit Bus S40 bus east on Montauk Highway to Oakdale's main entrance on Montauk Highway.

From Eastern Long Island: Take L.I.R.R. to the Sayville station. Take the Suffolk County Transit Bus S40 bus west on Montauk Highway to Oakdale's main entrance on Montauk Highway.

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