



ST. JOHN'S UNIVERSITY

Undergraduate Bulletin
2013–2015

St. John's College of
Liberal Arts and Sciences

The School of Education

The Peter J. Tobin College of Business

College of Pharmacy and
Health Sciences

College of Professional Studies

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Please note: A complete version of the undergraduate bulletin can be found at our Web site: 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

2013–2014

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

2013 Fall Semester

August

- 14 **Wednesday:** Last day to file a diploma application for September degree conferral.

September

- 2 **Monday:** Labor Day – School closed – No classes.
4 **Wednesday:** Fall semester begins.
10 **Tuesday:** Last day to drop/add classes. All registration ceases.
24 **Tuesday:** Last day to drop classes.
25 **Wednesday:** Withdrawal periods begins.
30 **Monday:** September degree conferral date.

October

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

- 14 **Monday:** Columbus Day – School closed – No classes.
19 **Saturday:** Midterm Grades Due.
29 **Tuesday:** Friday classes meet.

November

- 1 **Friday:** All Saint's Day – School closed – No classes.
6 **Wednesday:** Last day to file a diploma application for the January degree conferral.
11 **Monday:** Last day to withdraw from classes without receiving a penalty. Last day to apply for Pass/Fail Option.
27-Dec 1 **Wednesday–Sunday:** Thanksgiving Recess – School closed – No classes.

December

- 8 **Saturday:** Feast of the Immaculate Conception – School closed – No classes.
10 **Tuesday:** Last day of Saturday classes.
11 **Friday:** Study Day – No classes.
12-18 **Thursday–Wednesday:** Final examination period.

2013 Fall

Weekend College Session

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

September: 6, 7, 13, 14, 20, 21

October: 4, 5, 18, 19, 25, 26

November: 8, 9, 15, 16, 22, 23

December: 6, 7, 13, 14 (Final Exams)

*Friday night classes will be held on study day.

2014 Spring Semester

January

- 8–9 **Wednesday–Thursday:** Makeup examinations. Permission of the Dean is required.
22 **Wednesday:** Spring semester begins.
28 **Tuesday:** Last day to drop/add classes. All registration ceases.
31 **Friday:** January degree conferral date.

February

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

March

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

- 3–8 **Monday–Saturday:** Spring Break – No classes.
15 **Saturday:** Midterm Grades Due.

April

- 4 **Friday:** Last day to withdraw from classes without penalty. Last day to apply for Pass/Fail Option.
17-21 **Thursday – Monday:** Easter Recess – School Closed – No classes.
23 **Wednesday:** Monday classes meet.

May

- 5 **Monday:** Last day to file a diploma application for the May Commencement exercises.
5 **Monday:** Last day weekday classes.
6 **Tuesday:** Study Day – No classes.
7-13 **Wednesday–Tuesday:** Final examination period.
17 **Saturday:** Staten Island campus Commencement.
18 **Sunday:** Queens campus Commencement.

2014 Spring

Weekend College Session

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

January: 24, 25, 31

February: 1, 7, 8, 21, 22, 28

March: 1, 14, 15, 21, 22

April: 4, 5, 11, 12

May: 2, 3, 9, 10 (Final Exams)

Academic Calendar

2014–2015

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

2014 Fall Semester

August

- 13 **Wednesday:** Last day to file a diploma application for September degree conferral.

September

- 1 **Monday:** Labor Day – School closed – No classes.
3 **Wednesday:** Fall Semester begins.
9 **Tuesday:** Last day to drop/add classes. All registration ceases.
23 **Tuesday:** Last day to drop classes.
24 **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.
18 **Saturday:** Midterm Grades Due.

November

- 1 **Saturday:** All Saint's Day – School closed – No classes.
7 **Friday:** Last day to file a diploma application for the January degree conferral.
7 **Friday:** Last day to withdraw from classes without receiving a penalty. Last day to apply for Pass/Fail Option.
26–30 **Wednesday – Sunday:** Thanksgiving Recess – School closed – No classes.

December

- 8 **Monday:** Feast of the Immaculate Conception – School closed – No classes.
9 **Tuesday:** Monday classes meet.
9 **Tuesday:** Last Day of classes.
10 **Wednesday:** Study Day – No classes.
11–17 **Thursday–Wednesday:** Final examination period.

2014 Fall

Weekend College Session

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

September: 5, 6, 12, 13, 19, 20

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

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

December: 5, 6, 12, 13 (Final Exams)

2015 Spring Semester

January

- 7-8 **Wednesday–Thursday:** Makeup 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.
- 23-28 **Monday–Saturday:** Spring Break – No Classes.

March

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

- 14 **Saturday:** Midterm Grades Due.

April

- 2-6 **Thursday–Monday:** Easter Recess – School closed – No classes.
- 7 **Tuesday:** Classes resume.
- 8 **Wednesday:** Last day to withdraw from classes without receiving a penalty. Last day to apply for Pass/Fail Option.
- 29 **Wednesday:** Monday classes meet.

May

- 1 **Friday:** Last day to file a diploma application for the May commencement exercises.
- 4 **Monday:** Last day of classes.
- 5 **Tuesday:** Study Day – No classes.
- 6-12 **Wednesday–Tuesday:** Final examination period.
- 14 **Thursday:** Ascension Thursday – School Closed. No classes. No Finals.
- 16 **Saturday:** Staten Island campus Commencement.
- 17 **Sunday:** Queens campus Commencement.

2015 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, 13, 14, 27, 28
April: 10, 11, 24, 25
May: 1, 2, 8, 9 (Final Exams)

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) 9STJOHNS

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.

In compliance with New York State Public Health Law 2165, in order to register at St. John's, all students must provide the Health Center with proof of immunization to Measles, Mumps, and Rubella (MMR). Those born prior to January 1st 1957 are exempt from this requirement. Proof of immunity must be documented by having received two doses of Measles, and one dose each of mumps and rubella. All immunizations must have been received after 1967 and no sooner than 4 days prior to a child's first birthday (the two doses of Measles must be a minimum of 28 days apart).

We will accept any one of the following as proof of immunity to MMR:

- A copy of your immunization record (including actual dates) properly documented on an official government/school letterhead—the simplest place to obtain this may be from your most recently attended high school or college;
 - A copy of your immunization record (including actual dates) on physician's letterhead, which includes a signature, printed name, address, telephone number and license number;
 - Have a blood test to confirm immunity.
- Please note: a copy of the lab report must be attached to our immunization form.

In addition, St. John's University is in compliance with New York State Public Health Law 2167, which mandates ALL students to be given information about meningitis disease and vaccine against meningococcal meningitis. The law requires you must respond to this notification within 30 days by returning the completed response form.

Students will not be able to register and attend classes unless the Office of Student Health Services is provided with adequate proof of immunization to MMR and a completed Meningitis response form.

**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 \$300 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 standardized tests (where appropriate), 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. Applicants must also request that an official copy of their Scholastic Aptitude Test (SAT) or American College Test (ACT) be sent to St. John's University. 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. Homeschooled 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

Priority Deadline	December 1
Regular Deadline	February 1

All applications and supporting documentation must be postmarked by December 1 for the priority deadline or February 1 for the regular deadline for fall entry only. Transfer applications are not accepted for the Pharm.D. major. International students applying to the Pharm.D. program are required to take the SAT or ACT.

Fine Arts

Fall admission	February 15
Spring admission	November 1

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 April 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. If an associate degree was not completed, student must provide final high school transcript with graduation date.
3. 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.

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.

Combined Degree and Articulation Agreement Programs

Students seeking admission to our five-year, combined degree programs within St. John's University must meet minimum GPA requirements during their third year at St. John's and may be asked to sit for a GRE, GMAT or similar entrance exam before beginning their first year of graduate study at St. John's.

St. John's students wishing to participate in one of our articulation agreement programs with such schools as Manhattan College must meet minimum entrance requirements as set by the articulation program schools before progressing into those programs. Once a student begins their matriculation at one of our articulation agreement program schools, he/she is no longer considered a St. John's University student and will be required to pay all the costs associated with attending the articulation program college/university. Students interested in obtaining financial aid must apply for aid through the articulation program college/university. For specific program information, please consult the St. John's College Dean's 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 on UIS.

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 records, 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; demonstrate English proficiency by taking St. John's English exam or submitting 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; SAT or ACT score reports if wishing to be considered for an academic scholarship.

Transfer Applicant: Must provide a course by course evaluation from a National Association of Credential Evaluation Services (NACES) approved agency. 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:

Freshmen Pharmacy (Pharm.D.) applicant: December 1 for the priority deadline for the fall; February 1 for the regular deadline for the fall semester.

Applicants who are academically admissible, but have not demonstrated satisfactory English proficiency, can be conditionally admitted through the Language Connection (TLC). Upon successful completion of the full-time non-credit intensive English program, 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 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 Student Financial Services 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 currently accepted by the Office of Student Financial Services, or the Office of Enrollment Services on the Manhattan campus. St. John's University reserves the right to change accepted forms of payment at any time.

For those students and parents of students who wish to make tuition payments on a monthly basis, St. John's University makes available several payment plans. Information regarding these plans can be obtained from the Office of Student Financial Services or at the University webpage under Tuition Information. 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 2013–2014

Undergraduate:

Cost per credit..... \$1,215

Cost per semester

12 to 18 credits—Block Tuition)..... \$18,225

With the exception of:

The Peter J. Tobin College of Business Third and Fourth Years

(completed 56 credits or more)

Cost per credit \$1,267

Cost per semester

(12 to 18 credits—Block Tuition) \$19,000

Pharm.D. Majors Third, Fourth,

Fifth and Sixth Years Cost per credit .. \$1,391

Cost per semester

(12 to 18 credits—Block Tuition)..... \$20,865

(2014-2015 tuition will be announced in April 2014.)

Fees (Non-Refundable)

University General Fee per semester

Students carrying 12 credits or more \$300

Students carrying 9–11 credits \$250

Students carrying 1–8 credits \$175

This fee includes the use of athletic facilities, the Center for Counseling and Consultation, Student Health Services, Library, University Career Services, transcripts and registration, and any expenses related to the cost of registration.

Student Activity Fee per Semester

This fee supports student organizations in accordance with procedures set by the Student Government.

Queens, Staten Island, Manhattan

Students carrying 12 credits or more \$105

Students carrying 9–11 credits \$52.50

Other Fees

Application Fee Undergraduate..... \$50

Application Fee Graduate \$70

Admission Deposit \$300

New Student Orientation Fee (freshman)

All campuses \$250

New Student Orientation Fee (transfer)

All campuses \$150

Late Registration

(does not apply to new students)..... \$200

Late Payment..... \$200

Payment Plan Enrollment Fees

.....Between \$65 and \$250

Parking Permit 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 offerings section on the SJU website for specific fee information

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

Room and Board

Queens Campus

2013–2014 Academic Year

Single Room	\$6,000 per semester
Double Room	\$4,965 per semester
Triple Room	\$4,815 per semester
Quad Room	\$3,950 per semester
Board (Meal) Plans	
range from \$2,050 to \$2,975 per semester	
Townhouse Double Room	\$5,565 per semester
Townhouse Triple Room	\$4,965 per semester

Queens Off-Campus (Henley, De Paul and Seton)

2013–2014 Academic Year

Single Room	\$6,605 per semester
Double Room	\$5,515 per semester
Triple Room	\$4,915 per semester

Queens Off-Campus (Coolidge and Goethals)

2013–2014 Academic Year

Single Room	\$6,495 per semester
Double Room	\$5,400 per semester

Staten Island Campus

2013–2014 Academic Year

Single Rooms	\$5,140 per semester
Double Rooms	\$4,760 per semester
Triple Room	\$4,050 per semester
Board (Meal) Plans	
range from \$1,730 to \$2,215 per semester	

Manhattan Campus

2013–2014 Academic Year

Single Room (RA's Only)	\$6,000 per semester
Double Room	\$4,865 per semester
Triple Room	\$4,260 per semester
Quad Room	\$4,050 per semester
Board (Meal) Plans	
range from \$1,730 to \$2,215 per semester	

Room and Board Withdrawals

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

Fall 2013

100%.....	through September 3
90%.....	through September 8
80%.....	through September 13
70%.....	through September 18
60%.....	through September 23
50%.....	through September 28
25%.....	through October 2
0%.....	after October 2

Spring 2014

100%.....	through January 24
90%.....	through January 29
80%.....	through February 3
70%.....	through February 8
60%.....	through February 13
50%.....	through February 18
25%.....	through February 23
0%.....	after February 23

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

Law Students in housing will have a different schedule for Housing withdrawals. Please contact the Office of Student Financial Services for details.

Please be advised dates for withdrawals may change. Please contact the Office of Student Financial Services for current dates.

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 or direct deposits transferred.

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 2013

100%.....	through September 10
80%.....	through September 17
60%.....	through September 24
40%.....	through October 1
20%.....	through October 8
0%.....	after October 8

Spring 2014

100%.....	through January 28
80%.....	through February 4
60%.....	through February 11
40%.....	through February 18
20%.....	through February 25
0%.....	after February 25

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

Please be advised dates for withdrawals may change.

Please contact the Office of Student Financial Services for current dates.

Academic Information and 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
Anthropology/ Business Admin	2202.00/0506.00	BA/MBA
Anthropology/ Law	2202.00/1401.00	BA/JD
Art	1002.00	BFA
Asian Studies	0301.00	BA
Asian Studies/ Accounting	0301.00/0502.00	BA/MS
Asian Studies/ Business		
Admin	0301.00/0506.00	BA/MBA
Biology	0401.00	BS
	0401.00/0401.00	BS/MS
Biology/ Optometry	0401.00/1209.00	BS/OD
Chemistry	1905.00	BS
	1905.00/1905.00	BS/MS
Creative Photography	1011.00	BFA
East Asian Studies	0302.00/0302.00	BA/MA
Economics	2204.00	BA
Economics/ Law	2204.00/1401.00	BA/JD
English	1501.00	BA
	1501.00	BA/MA
English/Business Admin	1501.00/0502.00	BA/MBA
English/Law	1501.00/1401.00	BA/JD
Environmental Studies (Ecology)	0420.00	BS
Environmental Studies (Soc. Sci.)	2299.00	BA
Environmental Studies (Soc. Sci.)/Law	2299.00/1401.00	BA/JD
French	1102.00	BA

French/Business Admin	1102.00/0506.00	BA/MBA
French/Law	1102.00/1401.00	BA/JD
Government and Politics	2207.00	BA
	2207.00/2207.00	BA/MA
Government and Politics/ Law	2207.00/1401.00	BA/JD
Graphic Design	1009.00	BFA
History	2205.00	BA
	2205.00/2205.00	BA/MA
History/Business Admin	2205.00/0506.00	BA/MBA
History/Law	2205.00/1401.00	BA/JD
Illustration	1009.00	BFA
Italian	1104.00	BA
Italian/Business Admin	1104.00/0506.00	BA/MBA
Italian/Law	1104.00/1401.00	BA/JD
Mathematical Physics	1902.00	BS
Mathematical Physics/ Business Admin	1902.00/0506.00	BS/MBA
Mathematics	1701.00	BA
	1701.00	BS
	1701.00/1701.00	BA/MA
Mathematics/ Law	1701.00/1401.00	BA/JD
Philosophy	1509.00	BA
Philosophy/Law	1509.00/1401.00	BA/JD
Physical Science	1901.00	BS
Physics	1902.00	BS
Physics/Business Admin	1902.00/0506.00	BS/MBA
Psychology	2001.00	BA
Psychology/General Experimental Psychology	2001.00/2002.00	BA/MA
Psychology/Criminology and Justice	2002.00/2009.00	BA/MA
Psychology/Business Admin	2001.00/0506.00	BA/MBA
Psychology/Law	2001.00/1401.00	BA/JD
Public Administration and Public Service	2102.00	BA
Public Administration and Public Service/Law	2102.00/1401.00	BA/JD
Sociology	2208.00	BA
	2208.00 /2208.00	BA/MA
Sociology/ Criminology and Justice	2208.00/2209.00	BA/MA
Sociology/Business Admin	2208.00/0506.00	BA/MBA
Sociology/Law	2208.00/1401.00	BA/JD
Spanish	1105.00	BA
	1105.00/1105.00	BA/MA
Spanish/Business Admin	1105.00/0506.00	BA/MBA
Spanish/Law	1105.00/1401.00	BA/JD
Speech (Public Address, General Speech)	1506.00	BA

Speech (Public Address, General Speech)/ Law	1506.00/1401.00	BA/JD
Speech–Language Pathology and Audiology	1220.00	BA
	1220.00/1220.00	BA/MA
Speech–Language Pathology and Audiography/ Law	1220.00/1401.00	BA/JD
Theology (Religious Studies)	1510.00	BA
	1510.00/1510.00	BA/MA
Theology/Law	1401.00	BA/JD

Staten Island campus

Major Name	HEGIS Code	Credentials
Computer Science	0701.00	BS
Computer Science/ Law	0701.00/1401.00	BS/JD
Economics	2204.00	BA
English	1501.00	BA
	1501.00/1501.00	BA/MA
English/Law	1501.00/1401.00	BA/JD
Government and Politics	2207.00	BA
	2207.00/2207.00	BA/MA
Government and Politics/Law	2207.00/1401.00	BA/JD
History	2205.00	BA
	2205.00/2205.00	BA/MA
History/Law	2205.00/1401.00	BA/JD
Liberal Arts	5649.00	AA
Mathematics	1701.00	BA
	1701.00	BS
	1701.00/1701.00	BA/MA
	1701.00/1401.00	BA/JD
Mathematics/Law	1701.00/1401.00	BS/JD
Philosophy	1509.00	BA
Philosophy/Law	1509.00/1401.00	BA/JD
Psychology	2001.00	BA
Psychology/General Experimental Psychology	2001.00/2002.00	BA/MA
Psychology/ Criminology and Justice	2001.00/2209.00	BA/MA
Psychology/Business Admin	2001.00/0506.00	BA/MBA
Psychology/Law	2001.00/1401.00	BA/JD
Social Studies	2201.00	BA
Social Studies/ Law	2201.00/1401.00	BA/JD
Sociology	2208.00	BA
	2208.00/2208.00	BA/MA
Sociology/Law	2208.00/1401.00	BA/JD
Speech–Language Pathology and Audiography	1220.00	BA
Theology	1510.00	BA
	1510.00/1510.00	BA/MA
Theology/Law	1510.00/1401.00	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
	5004.00	CERT
Communication Arts	0601.00	BS
Communication Arts/ Government and Politics	0601.00/2207.00	BS/MA
Communication Arts/ Sociology	0601.00/2208.00	BS/MA
Communication Arts/Law	0601.00/1401.00	BS/JD
Computer Science	5101.00	CERT
	0701.00	BS
Computer Science/ Accounting	0701.00/0502.00	BS/MS
Computer Science/Business Admin	0701.00/0506.00	BS/MBA
Computer Science/ Law	0701.00/1401.00	BS/JD
Criminal Justice	5505.00	AS
	5505.00	CERT
	2105.00	BS
Criminal Justice/ Government and Politics	5505.00/2207.00	BS/MA
Criminal Justice/ Sociology	5505.00/2208.00	BS/MA
Criminal Justice/ Law	5505.00/1401.00	BS/JD
Cyber Security Systems	5199.00	AS
	5199.00	CERT
	0799.00	BS
Cyber Security Systems/ Accounting	0799.00/0502.00	BS/MS
Cyber Security Systems/ Business Admin	0799.00/0506.00	BS/MBA
Dramatic Arts, Film and Television	0605.00	BS
Enterprise Regulation	1499.00	BS
Funeral Service Administration	1299.00	BS
Health and Human Services	1201.00	BS
Health Services Admin	5299.00	CERT
Healthcare Informatics	1217.00	BS
Homeland and Corporate Security	5305.00	CERT
	2105.00	BS
Homeland and Corporate Security/Law	2105.00/1401.00	BS/JD
Hospitality Management	0508.00	BS
Human Services	2101.00	BS
Human Services/ Sociology	2101.00/2208.00	BS/MA
Information Technology	5199.00	AS
	0702.00	BS
Information Technology/ Accounting	0702.00/0502.00	BS/MS
Information Technology/ Business Admin	0702.00/0506.00	BS/MBA

Journalism	0602.00	BS
Journalism/Government and Politics	0602.00/2207.00	BS/MA
Journalism/ Sociology	0602.00/2208.00	BS/MA
Journalism/Law	0602.00/1401.00	BS/JD
Legal Studies	5099.00	AS
	5099.00	CERT
	0599.00	BS
Legal Studies/Government and Politics	5099.00/2207.00	BS/MA
Legal Studies/ Sociology	5099.00/2208.00	BS/MA
Legal Studies/ Law	5099.00/1401.00	BS/JD
Liberal Arts	5649.00	AA
Liberal Studies	4901.00	BA
Networking and Telecommunications	5199.00	AS
	0799.00	BS
Networking and Telecommunications/ Accounting	0799.00/0502.00	BS/MS
Networking and Telecommunications/ Business Admin	0799.00/0506.00	BS/MBA
Photojournalism	1011.00	BS
Public Relations	0604.00	BS
Sport Management	5299.30	CERT
	0599.00	BS
Sport Management/ Law	0599.00/1401.00	BS/JD
Television and Film	5008.00	AS
Television and Film Production	0605.00	BS

Staten Island campus

Major Name HEGIS Code Credentials

Administrative Studies	0506.00	BS
Advertising		
Communication	0604.00	BS
Business Administration	5004.00	AS
Communication Arts	0601.00	BS
Communication Arts/ Government and Politics	0601.00/2207.00	BS/MA
Communication Arts/ Sociology	0601.00/2208.00	BS/MA
Communication Arts/ Law	0601.00/1401.00	BS/JD
Criminal Justice	5505.00	AS
	2105.00	BS
Criminal Justice/ Government and Politics	2105.00/2207.00	BS/MA
Criminal Justice/ Sociology	2105.00/2208.00	BS/MA
Criminal Justice/ Law	2105.00/1401.00	BS/JD
Funeral Service Administration	1299.00	BS
Homeland and Corporate Security	2105.00	BS
Homeland and Corporate Security/Law	2105.00/1401.00	BS/JD
Hospitality Management	0508.00	BS
Journalism	0602.00	BS

Legal Studies	5099.00	AS
	5099.00	CERT
	0599.00	BS
Legal Studies/Government and Politics	0599.00/2207.00	BS/MA
Legal Studies/Law	0599.00/1401.00	BS/JD
Liberal Studies	4901.00	BA
Public Relations	0604.00	BS
Sport Management	0599.00	BS
Sport Management/ Law	0599.00/1401.00	BS/JD
Television and Film	5008.00	AS
Television and Film Production	0605.00	BS

The School of Education

Queens campus

Major Name HEGIS Code Credentials

Adolescent Education 7-12 Teaching/Literacy 5-12	0803.00/0830.00	BSED/ MSED
Adolescence Education/ Biology	0401.00	BSED
Adolescence Education/ English	1501.01	BSED
Adolescence Education/ Mathematics	1701.01	BSED
Adolescence Education/ Physics	1902.01	BSED
Adolescence Education/ Social Studies	2201.01	BSED
Adolescence Education/ Spanish	1105.01	BSED
Childhood Education (1-6)	0802.00	BSED
Childhood Education Grade 1-6/Literacy: Birth to Grade 6	0802.00/0830.00	BSED/ MSED
Childhood Education Grade 1-6/Teaching Children w/ Disab In Childhood	0802.00/0808.00	BSED/ MSED

Staten Island campus

Major Name HEGIS Code Credentials

Adolescent Education 7-12/ Teaching Literacy 5-12	0803.00/0830.00	BSED/ MSED
Adolescence Education/ English	1501.01	BSED
Adolescence Education/ Mathematics	1701.01	BSED
Adolescence Education/ Social Studies	2201.01	BSED
Childhood Education (1-6)	0802.00	BSED
Childhood Education 1-6/ Literacy: Birth to Grade 6	0802.00/0830.00	BSED/ MSED

Childhood Education Grade		
1-6/Teaching Children		
W/Disab In	0802.00/0808.00	BS/MS
Childhood		

The Peter J. Tobin College of Business

Queens campus

Major Name	HEGIS Code	Credentials
Accounting	0502.00	BS
	0502.00/0502.00	BS/MS
Accounting/Business		
Admin	0502.00/0506.00	BS/MBA
Accountancy/Public		
Accounting	0502.00/0502.00	BS/MBA
Accountancy/		
Taxation	0502.00/0502.00	BS/MS
Accountancy and		
Finance	0502.00	BS
Computer Info Systems-		
Decision Sciences	0702.00	BS
Economics	2204.00	BS
Economics/		
Accounting	2204.00/0502.00	BS/MS
Economics/Business		
Admin	2204.00/0506.00	BS/MBA
Finance	0504.00	BS
Finance/		
Accounting	0504.00/0502.00	BS/MS
Finance/Business		
Admin	0504.00/0506.00	BS/MBA
Management	0506.00	BS
Management/		
Accounting	0506.00/0502.00	BS/MS
Management/		
Business Admin	0506.00/0506.00	BS/MBA
Marketing	0509.00	BS
Marketing/		
Accounting	0509.00/0502.00	BS/MS
Marketing/Business		
Admin	0509.00/0506.00	BS/MBA

Staten Island campus

Major Name	HEGIS Code	Credentials
Accountancy/Public		
Accounting	0502.00/0502.00	BS/MBA
Accountancy/		
Taxation	0502.00/0502.00	BS/MS
Accountancy and		
Finance	0502.00	BS
Accounting	0502.00	BS
	0502.00/0502.00	BS/MS
Accounting/Business		
Admin	0502.00/0506.00	BS/MBA
Finance	0504.00	BS
Finance/		
Accounting	0504.00/0502.00	BS/MS
Finance/Business		
Administration	0504.00/0506.00	BS/MBA
Management	0506.00	BS
Management/		
Accounting	0506.00/0502.00	BS/MS

Management/Business		
Admin	0502.00/0506.00	BS/MBA
Marketing	0509.00	BS
Marketing/		
Accounting	0509.00/0502.00	BS/MS
Marketing/		
Business Admin	0509.00/0506.00	BS/MBA

Manhattan campus

Major Name	HEGIS Code	Credentials
Actuarial Science	1799.00	BS
Risk Management and		
Insurance	0512.00	BS
Risk Management and		
Insurance/		
Accounting	0512.00/0502.00	BS/MS
Risk Management and		
Insurance/Business		
Admin	0512.00/0506.00	BS/MBA

College of Pharmacy and Health Sciences

Queens campus

Major Name	HEGIS Code	Credentials
Clinical Laboratory		
Sciences	1223.00	BS
Pharmacy	1211.00	PHARM
Physician Assistant	5299.10	CERT
	1299.10	BS
Radiologic Sciences	1225.00	BS
Toxicology	0426.00	BS
	0426.00/0426.00	BS/MS

Office of the Registrar

The Office of the Registrar is responsible for the accuracy and integrity of the University's official student records. Our chief responsibilities fall into six broad categories: registration; record-keeping; enrollment verifications and transcripts; course offerings; classroom scheduling; and graduation.

The Office of the Registrar facilitates the University course registration process. The office announces the exact dates for registration in advance of each registration period. Continuing students register in October/November for the spring semester and in March/April for the summer and/or fall semesters. Students are expected to see their advisors before registering. All students should bring a student advisement report to their advising appointments. Advisors will provide their advisees with Priority Registration Numbers, which are needed to register. Once they have their Priority Registration Number, students may select and register for classes online through St. John's University Information System, UIS.

E-Bills are sent to students after each registration period. Financial services representatives are available year-round to assist students in 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.

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

Students who wish to withdraw from a class must obtain the approval of their Dean. Students who stop attending a class and who fail to withdraw officially remain academically liable for the 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. Freshmen are mailed a mid-term grade report at the midpoint of the fall and spring semesters. All students may view mid-term and final grades on UIS.

In addition to allowing students to register and to view grades online, St. John's makes a wealth of information available to students online via UIS, accessible through the University's web portal. An increasing number of forms related to such processes as adding and dropping classes, requesting permission to study outside the University, and transferring from one school of the University to another are also available through UIS. Students are encouraged to consult the University web site and the Office of the Registrar site on a regular basis. For the University site, go to: <http://www.stjohns.edu/>. For the Office of the Registrar site, go to: <http://www.stjohns.edu/services/registrar>.

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).

Once you register for a course, St. John's considers your registration as a clear indication of your intention to attend that class.

Complete Your Registration

Students must pay their tuition and fees in full before registration can be completed. Students can access their eBills via St. John's University Information System (UIS). For information on payment options, please visit <http://www.stjohns.edu/services/financial/bursar/payments/payments.stj> or contact the Office of Student Financial Services. Students having no payment due or a refund due must complete their registration process by confirming registration for the semester via UIS by going to the "View/Confirm Term Bill" section.

Liability

When you complete your registration, 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 your registration to be 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. The manner in which you do so depends when during the semester you make your decision.

You may drop or add a class via UIS through the first week of the semester. After this date, you will need your Dean's permission to change your registration. Please note that if you want to drop all your classes, you must inform your Dean of this in writing.

During the second and third weeks of the semester, you may still drop a class with the permission from your Dean's Office. Classes dropped through the first three weeks of the semester do not appear on your transcript.

Withdrawing from Class

After the third week of the semester, if you would like to drop a class, it will be noted as a withdrawal (WD) on your transcript. This mark does not calculate into your GPA. Please consult the academic calendar for the last day to withdraw from a class. To withdraw from one or more of your classes, you must contact your Dean's Office. You should visit the office in person so that someone can discuss this decision with you. If you cannot visit the office, you must put your request in writing. You may be entitled to a full or partial refund of tuition. Refunds are based on the official date on which you drop or withdraw from your class(es), whether via UIS or through the office of your Dean.

Student Advisement Reports

St. John's makes advisement reports available to all undergraduate students via UIS. Advisement reports match courses that students have taken against degree programs' requirements. 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 (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 Student Financial Services 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 \$80. The \$80 covers all exams missed for the substantiated reason.

The grade of ABF will be assigned if the student fails to sit for the scheduled final examination. The grade of ABF will remain if the student fails to sit for the make-up examination. 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
ABX Absent/Pass-Fail Option	0
AU Audit	0
P Passing	0
UW Unofficial Withdrawal	0
WD Withdraw	0
X Failure, No Penalty	0

Notes:

- 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**. This grade counts in the GPA as an **F**.
- Undergraduates not exercising the "Pass-Fail" option who miss their final examinations are assigned the mark of **ABF**. This grade counts in the GPA as an **F**.
- The mark of **WD** (withdrawal) is assigned upon the completion of the official withdrawal process.
- 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 students whose application for the audit option is approved. Students auditing a class receive no credit for it. Courses taken on an audit basis may not 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.

Total Quality Points are computed by multiplying the quality points of the grade in each class 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 x 3 (credits) = 9.0 quality points

A = 4.000 x 4 (credits) = 16.0 quality points

A = 4.000 x 7 (credits) = 28.0 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 Advanced 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 GPA.

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

Academic Progress or Promotion:

Credits Completed Class

1-24 Freshmen Year (1Y)

25-55 Sophomore Year (2Y)

56-90 Junior Year (3Y)

91+ Senior Year (4Y)

Academic Progress or Promotion PHARMD students:

Credits Completed Class

1-30 First Year (1Y)

31-60 Second Year (2Y)

61-96 Third Year (3Y)

97-131 Forth Year (4Y)

132-163 Fifth Year (5G)

164+ Sixth Year (6G)

Recommendations of the Committee on Academic Standing for promotion, promotion on probation or dismissal for poor scholarship are based on the student's GPA.

Conditions of promotion in the College of Pharmacy and Health Sciences 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 in Education	129-145
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The Peter J. Tobin College of Business

Bachelor of Science	124-130
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College of Pharmacy and Health Sciences

Pharmacy Program	201
Physician Assistant Program	130
Clinical Laboratory Sciences Program	138
Radiologic Sciences	128
Toxicology Program	127

College of Professional Studies

Bachelor of Arts	126
Bachelor of Science	126-135
Associate in Arts	60
Associate in Science	60

A GPA of 2.0 for all those courses taken, and a GPA of 2.0 for all courses in the major and minor areas are required unless otherwise indicated by your 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 and 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 GPA 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 apply for a diploma, you can access the Application for Diploma through UIS. Please note that your diploma will not be ordered until you have submitted your diploma application online. Applications must be submitted no later than two weeks prior to Graduation. Certain holds on a student account prevent the ordering of a diploma. Students who have a hold can view their online account for details or contact (718) 990-2000 to review.

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.

Global Studies Programs

Discover The World: Europe

This unique semester takes place in three of Europe's greatest cities. Students have the opportunity to take 12–18 credits in three five-week modules, one each in Paris, France; Rome, Italy; and Seville, Spain. Focused on the University's core curriculum, courses include offerings in Languages and Literatures, Philosophy, Theology, and Fine Arts. The program also includes special coursework for Pharmacy and Psychology students.

Discover France: Paris Semester

The "Discover France" program offers a unique combination of courses intended to introduce students to modern France. Paris, with its storied position as a major center of European intellectual discourse, political power, and artistic expression, is the ideal place for you to begin (or continue) your study of government, literature, the University core, and French language. Advanced language students are encouraged to participate in homestays and internships.

Discover Italy: Rome Semester

Study in St. John's own campus in heart of the "Eternal City," centrally located near the Vatican and within easy reach of all the Italian capital's remarkable monuments. While in Rome, students engage in an in-depth exploration of Italian history, language, and culture; they integrate the distinctive academic resources of a city that retains visible proof of its millennia-long history, while continuing to be a modern center of art, politics, and commerce. Advanced language students are encouraged to participate in homestays and internships.

Discover Spain: Seville Semester (Fall Only)

Situated in the capital of Spain's southern province of Andalucía, the Seville semester program provides a chance to study Spain's development at the crossroads of Moorish (Islamic) and European cultures. Coursework focuses on the University core and on Spanish language and culture, with offerings in Languages and Literatures, Theology, and Philosophy. Advanced language students are encouraged to participate in internships.

Exchange Programs

Students interested in full cultural immersion (often within a foreign language context) should consider one of the University's

exchange programs, through which they enroll directly in universities throughout the world. St. John's University has active agreements with universities in Australia (Australian Catholic University), Brazil (PUC-RIO, PUC- Minas), Chile (PUC-Chile), England (University of Leicester; open only to some CPS majors), France (Dauphine University), Jamaica, Barbados, and Trinidad and Tobago (the University of the West Indies), Japan (Sophia University, Kokushikan University) and Sweden (Uppsala University). 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.

Winter and Summer Programs for Undergraduate and Graduate Students

Our programs help students re-define their winter intersession or summer break. Through faculty-led, student-focused options, we offer opportunities to engage new cultures as an integrated part of major and/or elective coursework. These unique programs provide the benefits of international, experiential learning while accommodating students with specific academic- or time-related considerations. In addition, many programs travel during the winter or summer break as part of a full-semester class. For example, Tobin's Global Destination Courses might focus on Management or International Business during the fall or spring in New York, then engage in hands-on learning through site visits to top businesses in countries such as Brazil or Ireland at the conclusion of the semester.

Programs vary each year, so please check our website for the latest details: www.stjohns.edu/globalstudies. In prior years, however, undergraduate and graduate programs—including college-specific offerings from the Tobin College of Business and the School of Law—have studied in locations as diverse as Chile, China, Italy, France, the Galápagos Islands, Guatemala, Moldova, Scotland, South Africa, and Vietnam.

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 Global Studies Programs.

Undergraduate applicants are expected to:

1. Have completed at least one year of full-time study (for most programs).
2. Have a minimum 2.75 cumulative GPA for college studies completed.
3. Be in good academic and judicial standing with the university.

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

1. Submit a completed application form.

2. Provide an official copy of their transcript from their home institution(s).
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.

Full Graduate Programs

St. John's offers the following full master's degree programs at its Rome Campus:

- Master of Business Administration: Tobin's M.B.A. curriculum (Finance, International Business, Marketing Management) incorporates a wide range of skills and experience. Apart from functional knowledge, the M.B.A. program is focused on the development of analytical, communication and writing skills. In business practice, the issues confronting executives combine aspects of marketing, management and finance. The curriculum provides students with a well-rounded and broad knowledge base in all these functional areas of business administration.
- M.A., Government and Politics: This degree, which focuses on International Relations, provides students with the analytical skills necessary to evaluate political issues and to function effectively in a political environment. The primary objective of the M.A. in Government and Politics is to enhance students' professional expertise in today's complex global environment.
- M.A., Global Development and Social Justice: The M.A. in Global Development and Social Justice aims at best practices and leadership in global development. Our mission of social justice and human rights advocacy, grounded on Catholic Social Teaching, is reflected through our innovative online methodology. Our committed faculty teach students how to search out the causes of poverty and social injustice and encourage them to explore and identify solutions which are adaptable, effective, and concrete. Though the program is largely online, which offers students the flexibility to pursue in-depth research in a broad variety of critical areas; the program begins and ends with sessions at SJU's Rome Campus.

For more information on any of our programs—including details on current offerings, financial aid, courses, and admissions procedures—please contact:

St. John's University
Office of Global Studies
Rosati Hall (Staten Island Campus)
Sun Yat Sen Hall (Queens Campus)
Tel. (718) 990-6105
Fax (718) 990-2321
globalstudies@stjohns.edu
www.stjohns.edu/globalstudies

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.

Division of Academic Support Services

Honors Program

The University Honors program has the advantages of small classes, innovative teaching, and individualized faculty support for 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 be tailored to 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 House, Broadway shows, 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 a component of the syllabus.

At the end of the academic year, at a special ceremony, the Honors Program awards an 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, as well as on the diploma.

For additional information, contact Dr. Robert Forman or Mr. Robert Pennacchio on the Queens Campus (718) 990-7554 or by email at honors@stjohns.edu, or Dr. Rachel Hollander on the Staten Island campus at (718) 390-4071 or by email at hollanrl@stjohns.edu.

Honors (HON) Course Offerings

English

English Composition
Literature in a Global Context
The Study of American Literature
The Study of British Literature

Fine Arts

Creativity and the Arts
Contemporary Art and Culture

Government and Politics

American National Government

History

Emergence of Global Society

Interdisciplinary

Discover New York
Colloquium
Readings and Research

Languages

Intensive French I/II student
Intensive French III/IV
Language and Culture
Intensive Italian I/II
Elementary Latin I/II

Mathematics

Contemporary Math Ideas

Philosophy

Philosophy of the Human Person
Ethics
Metaphysics
Introduction to Logic

Psychology

Introductory Psychology
Child Psychology
Theories of Personality

Sciences

Scientific Inquiry
Fundamentals of Biology I/Lab
Fundamentals of Biology II/Lab
Introduction to Physical Chemistry
Descriptive Inorganic Chemistry/Lab

Sociology

Introduction to Sociology
Neighborhoods
Sociology of the Family

Speech

Public Speaking
Interpersonal Communication for the Pharmacist

Theology

Perspectives on Christianity
Introduction to the Bible
Christian Marriage
Religions of the World
History of the Church

Student Development for Athletes

The Division of Academic Support Services, in collaboration with the Department of Athletics, has developed a comprehensive support and resource program to assist student-athletes in fulfilling their educational and athletic potential. The Student Development for Athletes program provides a wide range of services from the recruiting stage through graduation. Recognized by the National Academic Advising Association (NACADA) as an exemplary practice for its holistic approach to meeting the needs of the student-athlete population, the program focuses on five areas: Academic Support, Career Development, Leadership Development and Recognition, Personal Development and Community Service.

The office is located in Carnesecca Arena, Room 136. For information contact Dr. Nancy S. Kaplan, Associate Vice President, at (718) 990-1672.

Testing

Through the Testing Center, St. John's and non-St. John's students have the opportunity to take tests for academic credit or admission to Law School. A full range of CLEP exams are offered along with LSAT and MPRE exams.

The Testing Center is located in St. Augustine Hall. For information call Dr. Nancy S. Kaplan, Associate Vice President, at (718) 990-1672.

Office of Transfer Student Services

This office is charged with providing transfer students with guidance during their transition to St. John's University. Every student will be afforded the opportunity to speak with a professional advisor concerning their academic and personal goals. Upon acceptance, a Transfer Student Services advisor will schedule a one-on-one meeting to discuss potential credits granted, various course options and a gateway to the many support services and department across campus, including the academic deans' offices. An advisor is always available to answer questions whether by in-person visits, email, or phone.

For information contact the office at (718) 990-5533.

Graduate Admission Assistance Program (GAAP)

This program provides assistance to students seeking admission to graduate and professional programs and helps them enhance their academic profiles. GAAP works within the existing framework of the university to provide information and resources necessary to students regarding standardized exams, writing essays, advisement, etc.

Prestigious scholarships and fellowships for graduating seniors and recent graduates are also available through GAAP. Awards include Rhodes, Marshall, Fulbright, Gates, Goldwater,

and Mellon scholarships and fellowships. GAAP sponsors an intensive summer research program that financially supports full-time student research and faculty mentoring.

GAAP is located in St. John Hall, Room B3A. For information contact (718) 990-6165 or gaap@st.johns.edu.

Division of Special and Opportunity Programs

College Advantage Program

(Queens and Staten Island Campuses)

The University's commitment to academic excellence is manifested through its College Advantage Program. It 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 Social Sciences, English, Mathematics, Language, Fine Arts, and Science disciplines. The credentials of the teachers and the course outlines from the high school are approved by the St. John's University chairs prior to student enrollment.

1. The program provides students with an opportunity to earn college credit while still in high school, benefiting the high achieving student to be further motivated and get a "head start" on college.
2. The program provides reduced tuition costs to students and parents, and serves as an assessment of a student's ability to do college level work.

Students in this program are permitted to enroll in approved University courses but are not officially admitted to the University and therefore not considered for federal student aid and/or state aid purposes.

The office is located in St. John Hall, Room 103. For information contact the office at (718) 990-6565.

College Bound: Liberty Partnerships Program

(Queens Campus)

The College Bound: Liberty Partnerships Program is sponsored by the New York State Education Department and St. John's University. It is designed to provide supportive services to senior high school students who are identified as having the potential to pursue a college education but need assistance to complete secondary school.

The program provides a broad range of services designed to increase academic skill development, motivation to succeed, and to foster the personal development of the students in the program. These year-round services include: mentor/peer counseling, tutoring, developmental courses, social and enrichment activities and financial literacy.

The office is located in St. John Hall, Room 132A. For information call (718) 990-1374.

Early Admission Program

(Queens and Staten Island campuses)

Early Admission is a collegiate program designed to provide an opportunity for qualified students to complete their freshman year of college at the University upon the successful completion of the high school curriculum through the 11th grade level. These students enter as fully matriculated freshmen who earn credits toward a college degree and also satisfy the high school requirements to receive a diploma. A separate application, high school transcript noting six semesters, a letter of recommendation from the high school principal/guidance chair and a personal interview with an administrator from the Office of Admissions and Special and Opportunity Programs are required. Parents are encouraged to be involved in this process.

At the conclusion of the freshman year, results of the student's performance are sent to the high school to become a part of the permanent record. Since the student will have fulfilled the requirements of the high school, the student will then receive the agreed upon high school diploma.

In addition to being monitored by a Special and Opportunity Programs Administrator, the student is assigned an advisor for the unit in which the student is enrolled.

Students who enroll in the University through this program are not eligible for federal aid during their first year or until their high school diploma is conferred.

The office is located in St. John Hall, Room 103. For information contact (718) 990-6565.

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 by enrolling in courses on-campus. A special application process is conducted in the spring of the student's junior year of high school. A high school transcript of the first six semesters, exceptional standardized test scores, a letter from the student's principal and/or guidance counselor, and a signed form from the parent is required. Students are permitted to enroll in two St. John's University courses in the summer session and one course in the fall and spring semesters. The student will receive full college credit for the course taken and receive a St. John's University transcript. A copy of this transcript is also sent to the high school. If admitted to the program, a nominal tuition cost is required for each course enrolled.

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

- Demonstration of potential for college work as determined by the student's high school transcript through junior year and a

recommendation from the principal and/or guidance counselor

- Motivation and maturity as proven by an on-campus interview
- Approval by the Office of Admissions and Special and Opportunity Programs Administrator

Students enrolled in this program are permitted to take University courses while still in secondary school but are not officially admitted to the University and therefore not considered for federal and/or state aid purposes.

The office is located in St. John Hall, Room 103. For information contact (718) 990-6565.

Student Support Services Program (SSS)

(Queens campus)

The St. John's University Student Support Services Program (SSS) is a federally funded TRIO Program, sponsored in part with the U.S. Department of Education. The primary goal of SSS is to support and encourage low-income, first generation students and those with disabilities to maximize their potential and guide them on a successful path to graduation.

SSS provides academic advising, individualized tutoring, financial/personal guidance, mentoring, and career exploration. SSS also strives to prepare students for post baccalaureate degrees, certificates and/or career opportunities.

Participation in the SSS Program is open to students who meet the federal eligibility requirements outlined by the Department of Education. To qualify for the program students must be U.S. citizens, enrolled or accepted to St. John's University, must complete an application, have a personal interview, and demonstrate a need for educational support.

The office is located in St. John Hall, Room 133. For information, contact (718) 990-1371.

Gaining Early Awareness and Readiness for Undergraduate Programs

(GEAR UP) (Queens Campus)

GEAR UP is funded by the U.S. Department of Education. It 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 low-income, first-generation potential college students attending middle schools located in the diverse Queens communities of Jackson Heights and Long Island City. Services include during and after school tutoring, mentoring, academic and social counseling, educational and cultural trips, and exposure to college activities. The parent services are designed to inform parents about college, career planning, financial aid resources and other resources that they can use to help their children achieve academic success. Staff development is offered to the partnership's

middle and high school teachers, counselors, and administrators. The sole purpose of the project is to increase high school graduation and college enrollment in high poverty areas.

The Office is located in St. John Hall, Room B13. For information call (718) 990-2532.

Ronald E. McNair Scholars Program

(Queens Campus)

The McNair Scholars Program is a federally funded TRIO Program, sponsored in part with the U.S. Department of Education. Named in honor of Dr. Ronald E. McNair, an African-American engineer, scientist and astronaut who met an untimely death in the 1986 space shuttle Challenger accident, it is designed to prepare first-generation, low income-eligible, historically underrepresented students to enroll in graduate study for post-baccalaureate study. 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. In order to be considered, a prospective scholar must have a minimum GPA of 3.0 and completion of 60-66 credits after the second semester of their sophomore year.

The office is located in St. Augustine Hall, Room 114. For information contact (718) 990-5842.

Collegiate Science and Technology Entry Program (CSTEP)

(Queens Campus)

CSTEP is sponsored by the New York State Education Department and St. John's University. It provides undergraduate students and/or income eligible college students with the opportunity to explore scientific, technical, and health-related professions. CSTEP also provides its participants a strong academic foundation necessary to enter the licensed professions. Prospective participants are selected in their freshman or sophomore year.

The office is located in St. Augustine Hall, Room 114. For information contact (718) 990-5842.

Science and Technology Entry Program (STEP)

(Queens Campus)

STEP, sponsored by the New York State Education Department and St. John's University, was established by the New York State legislature in 1985 to assist middle and high school students from racial and ethnic backgrounds historically underrepresented in careers in the scientific, technological, engineering, and mathematical fields and the licensed professions. This partnership of encouraging students and their parents to strive to achieve a quality education is fostered by Saturday classes during the academic year, tutoring for math and science courses, career and financial literacy counseling for students and parents, as well as educational trips.

The office is located in St. John Hall, Room 103. For information call (718)-990-6565 or www.stjohns.edu/academics/dsop or www.stepforleaders.org.

Options Program

(Staten Island Campus)

Options is a program administered in conjunction with the Division of Special Prorogams and the Office of Student Enrollment Services on the Staten Island campus. It provides financial assistance to eligible freshmen who live outside of New York State. It is funded by the Sr. Julia Heslin, Sisters of Charity Scholarship Fund. For information call (718) 390-4453.

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.

Financial Aid

St. John's University consistently strives to place an outstanding higher education within the financial reach of all qualified applicants. During the 2012–2013 academic year, the University awarded more than \$469 million in federal, state, University and external financial aid funds. More than \$209 million of this amount is provided from the University's own funds in grants-in-aid, scholarships and tuition remissions.

The Office of Student Financial Services—in Bent Hall, on the Queens campus; in the Kelleher Center, Room 116, on the Staten Island 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 is 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 Renewal FAFSA 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, transportation, personal expenses and home maintenance. 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, transportation, personal expenses, off-campus room and board. The Office of Student Financial Services may change the amounts of the "other educational costs" included in the cost of education when deemed necessary. Students can review their cost of attendance online via their UIS account.

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.

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 priority 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 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.

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 and 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 2012–13 academic year is \$5,595. Payment will be made directly to schools on behalf of students upon certification of their successful completion of 27 credits with a cumulative 2.5 GPA for the academic year, which the student seeks payment.

Students receiving a New York State

Math and 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.

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.

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.

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.

St. John's University scholarships are not automatically renewed each year. Unless otherwise noted, a scholarship shall not be renewed for the following academic year unless its recipient has satisfied all of the following criteria:

- Students must be enrolled at St. John's University for a minimum of 12 credits per semester (fall and spring)
- A minimum cumulative grade point average must be maintained at the end of each academic year in accordance with the scholarship awarded
- Scholarships are for up to four years of continuous undergraduate studies at St. John's University

In addition to the criteria set forth above, please also note:

- Scholarships are only available for fall and spring terms (scholarships are not available for summer, winter, mini or post sessions)

• Scholarships awarded to a student enrolled in a joint degree program are only eligible for renewal during the period of time such student is attending St. John's University.

• A scholarship awarded to a student enrolled in a combined degree program is only eligible for renewal during the period of time such student is enrolled in the undergraduate portion of the degree program.

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

Provost Scholarships are partial scholarships that range up to \$29,000 a year.

Scholastic Excellence Scholarships are partial scholarships that range up to \$21,000 a year.

University Promise Award are Partial Scholarships that range up to \$19,000 a year

Academic Achievement Awards are partial scholarships that range up to \$15,000 annually.

University Transfer Scholarships are partial University scholarships ranging up to \$15,000 per year for new transfer students, based on academic record. Transfer students must have earned a minimum of 12 credit hours from an accredited institution.

Transfer Distinction Award
Transfer students that are scheduled to earn an Associate Degree from a community college prior to enrolling at St. John's, are eligible to receive a \$15,000 Award. The award will be renewed at \$15,000 per year for the next two or three years, as long as the student remains continuously enrolled as a full-time undergraduate student and maintains good academic standing. Please note that this award may not be combined with a University Transfer Merit Scholarship.

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 deadline date (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.

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.

Catholic Scholars Program

Catholic scholars take part in a four-year developmental program that translates faith into action. Prospective freshmen apply for this scholarship, and if chosen will receive a grant of \$5,000 per year which will be awarded for four years of study. Students will commit themselves to faith-based leadership training, services and prayer, and formation of a deeper understanding of what it means to be a leader inspired by the catholic tradition. Catholic Scholars assume important leadership roles within the community of faith and service at St. John's University in preparation for becoming faith-inspired Catholic leaders for life. Deadline to submit application has passed.

Hugh L. Carey Community Grant

The Hugh L. Carey Community Grant was created in honor of former New York Governor and esteemed St. John's University alumnus. Students that are first time, full-time freshmen are automatically reviewed for this award. The award amount is either \$1,250 per year for students commuting/living off-campus, or \$3,000 per year for students that are residing in on-campus housing. The award may be renewed for up to four years of continuous undergraduate study at St. John's University. The award amount will be adjusted to reflect the student's housing status on a semester by semester basis. Students that are recipients of a University full-tuition scholarship/grant are not eligible for this grant. Also, the award can only be used for the fall and spring terms (no summer or winter sessions).

How to Apply

- Complete the Catholic Scholars Online Application
- Download the and submit the Catholic Scholars Print Application
- Students who apply for both the Ozanam and Catholic Scholars cannot be selected for both and must express their preference during their scholarship interview process.

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 Student Financial Services.

Grants-in-Aid

Grants-in-aid are awarded to needy students or 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 Student Financial Services.

"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 Student Financial Services. 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 Student Financial Services. The University reserves the right to adjust institutional aid based on the receipt of external 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. Please visit hesc.ny.gov to view information on all New York State Grants and Scholarship programs.

The Tuition Assistance Program (TAP)

This program provides grants ranging up 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. General requirements:

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) meet income guidelines; 4) be charged a tuition of at least \$200 a year; 5) have graduated from a U.S. high school, earned a GED or passed an Ability to Benefit Test; and 6) not in default on a State or Federal loan. 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.

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 Student Financial Services 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. Visit hesc.ny.gov to view all eligibility requirements.

Vietnam Veterans Tuition (VTA) Awards

These awards provide financial assistance to students who are New York State residents discharged under honorable conditions from the U.S. Armed forces and who are: Vietnam Veterans who served in Indochina between December 22, 1961 and May 7, 1975 or Persian Gulf Veterans who served in the Persian Gulf on or after August 2, 1990 or Afghanistan Veterans

who served in Afghanistan during hostilities on or after September 11, 2001 or Veterans of the armed forces of the United States who served in hostilities that occurred after February 28, 1961 as evidenced by receipt of an Armed Forces Expeditionary Medal, Navy Expeditionary Medal or a Marine Corps Expeditionary Medal.

For full-time study, a recipient shall receive an award of up to the full cost of undergraduate tuition for New York state residents at the State University of New York, or actual tuition charged, whichever is less. Full-time study is defined as twelve or more credits per semester (or the equivalent) in an approved program at a degree-granting institution, or twenty-four or more hours per week in a vocational training program.

For part-time study, awards will be prorated by credit hour. Part-time study is defined as at least three but fewer than twelve credits per semester (or the equivalent) in an approved program at a degree-granting institution, or six to twenty-three hours per week in a vocational training program.

For the 2012–13 academic year, awards will be set at \$5,895 or tuition, whichever is less. If a Tuition Assistance Program (TAP) award is also received, the combined academic year award cannot exceed tuition. Thus, the TAP award may be reduced accordingly. NOTE: Tuition payments received by a veteran under the Chapter 33 Program and Yellow Ribbon component will be considered duplicative of any VTA award students may have received. However, payments received under the Montgomery GI bill do not duplicate the VTA award.

Combined tuition benefits available to a student cannot exceed the actual tuition. Students attending high tuition schools may be eligible to receive both the Federal and State benefits. Additionally, students whose "Percentage of Maximum Benefit Payable" under the Chapter 33 Program is less than 100% of tuition may also receive both Federal and State benefits.

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. Please visit hesc.ny.gov for full eligibility guidelines.

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 Academic 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.

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	6	1.5
Third	15	1.8
Fourth	27	1.8
Fifth	39	2.0
Sixth	51	2.0
Seventh	66	2.0
Eighth	81	2.0
Ninth*	96	2.0
Tenth*	111	2.0

**HEOP students only*

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 fourth semester of state aid.

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

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). 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." For detailed information on federal aid eligibility guidelines, please visit studentaid.ed.gov.

Federal Pell Grant Program

This is a federal financial aid program providing financial assistance to needy post-secondary school students. The 2013-2014 maximum federal Pell award is \$5,645 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. Funding and eligibility subject to federal legislative changes.

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 \$5,500 per year for a maximum of \$27,500 over a four- or five-year period. Due to limited funding, St. John's University may not be able to offer the allowable maximums permitted under the law. The current Perkins Loan interest rate is 5%. Repayment and interest does not begin until nine months after the student leaves school and may extend to 10 years.

Deferment benefits exist for active U.S. military service or service in the Peace Corps. A cancellation benefit exists for those graduates who teach in federally designated low-income areas. Some other deferment and cancellation benefits also exist. For further information on deferments and cancellations, please contact the Office of Student Financial Services.

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 Student Financial Services.

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 undergraduate Pell eligible students based on financial need.

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 Student Loan Programs

What is a Federal student loan?

Federal Student loans, commonly referred to as Federal Stafford or Federal Direct student loans, are one form of student aid from the federal government. These loans are real loans and must be repaid with interest. St. John's University processes all Federal Stafford and Federal PLUS/GRAD PLUS loans exclusively through the **William D. Ford Federal Direct Loan Program** in which borrowers obtain loan funds directly from the U.S. Department of Education.

What is the difference between subsidized and unsubsidized loans?

For the Federal Direct Subsidized Loans you will not be charged interest until you drop below half-time status, leave school or graduate. Repayment begins six months after you cease to be enrolled at least half-time (including leaves of absence).

For the Federal Direct Unsubsidized Loans the government will not pay interest while a student is in school as it does for the Subsidized Direct Loan. Interest accrues, and must be paid or capitalized, during periods of in-school enrollment and/or deferment.

The Bipartisan Student Loan Certainty Act of 2013 has been passed by Congress and signed into law by President Obama. This new law amends the Direct Loan interest rate section of the Higher Education Act of 1965, as amended (HEA). The new law amends the section 455(b) of HEA to provide new formulas for the determination of interest rates of all Direct Loan types.

Interest rates will be determined each year for which the first disbursement is on or after July 1st through the following June 30. Interest rates will be the sum of a uniform "index rate" plus and "add-on" that varies depending on the type of loan and the borrower's grade level.

Once an interest rate is established it will apply for the life of the loan.

NOTE: All federal Loans subject to change based on Federal Legislative action.

What fees, if any, are associated with this loan?

As of July 1, 2013 an origination fee of 1.051% of the total loan will be assessed. These fees are determined by the U.S. Department of Education and are subject to change.

Where can I learn about the various Federal student loan programs?

For more information on Direct Loans visit www.studentloans.gov. The U.S. Department of Education's National Student Loan Data System (NSLDS) provides borrowers access to information on all student loans and/or federal grant amounts, including information on loan status, outstanding balances, and disbursements. Go to www.nslds.ed.gov

The U.S. Department of Education also provides assistance in resolving issues with loans via the Ombudsman's office. This office can also be contacted through the student loans website.

How do I apply for a Federal student loan?

Student/parent who wishes to borrow the federal loans indicated in their Financial Aid Award Offer; need to complete the following simple steps.

Federal Subsidized/Unsubsidized Loan Process

Step 1: First time Federal Student Loan borrowers must complete a Federal Student Loan Entrance Counseling Session in accordance with federal regulations. Go to: www.studentloans.gov and click on Entrance Counseling.

Step 2: Complete a Direct Loan Master Promissory Note (MPN) at www.studentloans.gov. Borrowers will need their FAFSA Personal Identification Number (PIN). If you do not have a PIN or cannot recall it, you can request your PIN at www.pin.ed.gov.

Parent Loan for Undergraduate Students (PLUS) Process

Applications for Federal Direct Plus and Graduate loans are processed online through the U.S. Department of Education student loan website at: www.studentloans.gov

**Maximum Annual Loan Amount
2013–2014**

Effective for loans first disbursed on or after July 1, 2008

Dependent Student

Independent Student Only

	TOTAL subsidized and unsubsidized	BASE AMOUNT subsidized and unsubsidized	ADDITIONAL unsubsidized only	TOTAL AMOUNT
Borrower's School Year				
First-year undergraduate (0–24 credits completed)	\$3,500 + 2,000 (unsub)	\$3,500	+	\$6,000 = \$9,500
Second-year undergraduate (25–55 credits completed)	\$4,500 + 2,000 (unsub)	\$4,500	+	\$6,000 = \$10,500
Third-year and beyond undergraduate (56 credits and more completed)	\$5,500 + 2,000 (unsub)	\$5,500	+	\$7,000 = \$12,500
Total outstanding debt:				
Dependent undergraduate	\$31,000	Independent undergraduate		\$57,500

Satisfactory Academic Progress Requirements

Federal and/or St. John's University Funded Financial Aid Satisfactory Academic Progress Requirements (SAP)

All recipients of federal and/or St. John's University financial aid are expected to maintain satisfactory academic progress toward their degree as part of the eligibility requirements for federal and/or St. John's University institutional aid. The University's satisfactory academic progress policy is developed in accordance with federal regulations. Any student not making satisfactory academic progress is considered ineligible for federal aid and institutional grant aid.

Please note that SAP requirements for state aid recipients and St. John's University Academic scholarship recipients are different and are addressed separately.

Federal Qualitative Measure

Federal regulation requires schools to have a qualitative component, typically a grade point average (GPA) as part of their Satisfactory Academic Progress policy. At the end of each school year the cumulative GPA for all students will be reviewed.

The minimum required cumulative GPA is as follows:

- First-year Undergraduate students must maintain a cumulative GPA of 1.50 (first year defined as credits hours attempted less than 25)
- By the end of the second academic year all Undergraduate students must maintain a 2.0 cumulative GPA.
- All Graduate and Law students must maintain a cumulative GPA of 2.0.

Federal Quantitative Standard: Pace

Federal regulation requires schools to have a quantitative component as part of their Satisfactory Academic Progress policy. This measure seeks to ensure that students successfully complete coursework and maintain an appropriate and timely pace toward the completion of their degree program within the federally allowable time frames. Pace is measured at the end of the school year for all students.

Undergraduate Degree Maximum Time Frame Requirements

According to federal regulations for an undergraduate program, the maximum time frame cannot exceed 150% of the published length of the program measured in credit hours attempted.

Pace for Undergraduate Degree Completion

For an undergraduate student in a bachelor's degree program to be considered as progressing, the student's ratio of earned hours to attempted hours (or pace towards degree completion) must be no less than shown on the following table:

When total attempted Credit hours are:	Earned Credit Hours must be at least:
Less than 25 credit hours	50% of scheduled credit hours
25 through 55 credit hours	50% of scheduled credit hours
56 through 90 credit hours	60% of scheduled credit hours
91 credit hours and above	70% of scheduled credit hours

Note: Students enrolled in the Pharm.D Program will follow the above chart for the first four years. Once they begin the graduate portion of their program they will be held to the Graduate degree pace requirements.

Other Degree Maximum Time Frame Requirements

Students must complete their degree program within the following maximum time frame:

Certificate:	3 semesters (48 credit hours)
Associate's:	6 semesters (96 credit hours)
Master's:	10 semesters (120 credit hours)
Doctoral:	14 semesters (168 credit hours)
Law (full-time):	9 semesters (129 credit hours)
Law (part-time):	12 semesters (129 credit hours)

Pace for Degree Completion for All Other Programs

Students must pass at least 70% of the cumulative credit hours attempted.

Annual Academic Progress Review

We review academic progress each academic year by dividing the cumulative total number of credit hours the student passed by the total number attempted. The review process begins at the end of spring semester for all students to determine that the student is meeting the standards described above. This review is based on a student's entire enrollment history at St. John's University and any transfer credit hours accepted. We also check to make sure students have not exceeded the maximum term limit described above.

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

Federal regulations require that these standards apply to all students

Please note:

The following will be considered as credits completed:

- 1) "A" through "D" grades
- 2) Accepted Transfer credits
- 3) "P" passing with credit
- 4) Accepted Advanced Placement (AP) credits

The following will NOT be considered as credits completed but will be considered as credits attempted:

- 1) F – Failure
- 2) ABF – Absent/Failure *
- 3) UW – Unofficial Withdrawal
- 4) AU – Audit

Students who are readmitted are subject to the standards defined in this policy for federal and/or St. John's University financial aid eligibility. Academic progress will be reviewed upon readmission. All previous coursework at St. John's University must be included in each review of academic progress for federal and/or St. John's University financial aid.

Students who have been academically excluded from the university but who are subsequently given permission to re-enroll are not automatically eligible to continue to participate in federal or university aid programs. Admissions decisions are totally separate from funding decisions.

Financial Aid Termination

Students, who fail to complete their degree within the maximum time frame, will have their federal and/or St. John's University grant aid terminated. The Office of Student Financial Services will send the student a written notification of the termination of their aid eligibility. This is a non-appealable status. Students can continue in their program at their own expense provided they are otherwise academically eligible.

Financial Aid Suspension

Recipients of federal aid and/or St. John's University grant aid whose progress is unsatisfactory will be ineligible for aid and will have their aid suspended. The Office of Student Financial Services will send the student written notification of the suspension.

Appeal Process

Students who have not exhausted the maximum time frame have the right to appeal.

Appeals must be filed within 30 days of notification that aid eligibility has been lost. An Appeal must be made in writing to the Student Financial Services Appeal Committee.

The appeal may not be based upon a student's need for the Financial Aid assistance OR their lack of knowledge that their Financial Aid assistance was in jeopardy. An appeal would normally be based upon mitigating circumstances which prevented a student from passing more of their courses, or which made them withdraw from classes.

Examples of mitigating circumstances include:

- Serious personal illness or injury that required extended recovery time
- Death or serious illness of an immediate family member
- Significant trauma that impaired the student's emotional and/or physical health
- Other documented circumstances

To appeal, a student must complete a Satisfactory Academic Progress Appeal Form and return it with all required documentation to the Office of Student Financial Services. The student will be notified of the decision approximately three weeks after we receive the student's appeal.

Appeals are made through the Office of Student Financial Services, on the official form and will require the following: an explanation and documentation regarding why the student failed to make Satisfactory Academic Progress (SAP), demonstrate an understanding of what SAP measure/s were failed and documentation as to what has changed in the student's situation that would allow the student to meet SAP in future terms. Please note that merely filing a Satisfactory Academic Progress Appeal Form does NOT guarantee continued eligibility for Federal/university aid, as an appeal may be denied.

Appeal Approval Conditions

Appeals can only be approved if the Student Financial Services Appeal Committee determines:

- that the student will be able to meet the university's satisfactory academic progress after the next payment period; or
- that the student has agreed to follow an academic plan that, if followed, will ensure that the student can meet the university's satisfactory academic progress guidelines by a specific point in time.

If an Appeal is Granted

Students whose appeals are granted will receive aid on a conditional (probationary) basis for one semester. The conditions will be outlined in the appeal approval letter sent to the student. The Student Financial Services Appeal Committee will review the student's record at the end of the semester to determine his/her status for the following semester.

Once a probationary semester has concluded, the student may re-establish eligibility to be considered for federal and/or

or university aid for their next semester of enrollment ONLY by either 1) taking action that brings him or her into compliance with the qualitative and quantitative components of SAP standard OR 2) demonstrating the progression of the specific academic plan and standards for a Probationary Semester as established by the Appeals Committee.

After the Probationary Period or if Appeal is Denied

If the student does not have grounds for an appeal, or if the appeal is denied, the student may still be able to regain eligibility for future semesters. This is done by the student enrolling at St. John's University at their own expense/without financial assistance. The student may also, complete coursework at another institution, provided the credits can be transferred to St. John's University and he/she did not receive federal financial aid at the other institution while taking those courses. Any credits earned and transferred to St. John's University must have been earned after the term(s) in which federal and/or St. John's financial aid was denied. If a student pays for and successfully completes courses at another institution, they must be prepared to provide appropriate documentation (i.e., university account statement and transcripts) confirming that the student did not receive federal financial aid at the other institution. If the student chooses to take one of these options they must contact the Office of Student Financial Services to arrange a new reevaluation.

Consortium Agreement and Study Abroad

All St. John's students that are on a consortium agreement or are studying abroad must abide by the satisfactory academic progress requirements as described in this brochure.

Withdrawal from the University

If a student receives aid from federal and/or St. John's funded programs but withdraws during a semester, a percentage of the aid may be used to pay the bill for the portion of the semester the student attended. Since the student did not complete the semester, they may not have earned 100% of their federal and/or St. John's aid. A federal calculation will be done to see if any of the aid will be returned to the U.S. Department of Education. If that happens, the student may owe the University for unpaid charges. In addition, the student may fail to make satisfactory academic progress and jeopardize future federal financial aid. To make sure the student understands the possible impact on their federal financial aid, they are encouraged to consult with a financial aid counselor prior to withdrawing from the university.

Student Support Services and Resources

Alumni Relations

Currently, the St. John's University Office of Alumni Relations sponsors and oversees various constituent groups (organized by college and other affiliations) and multiple regional chapters. These groups touch many of the more than **166,000** worldwide alumni. Graduates of St. John's University who make an annual contribution to the University are able to enjoy quality benefits. 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
- Sponsors professional networking and career development opportunities
- Offers group travel and tour programs
- Sponsors alumni receptions and athletic events both at home and away
- Participates in the publishing of the St. John's University Magazine
- Participates with the Career Center on the alumni mentoring program (COACH)
- Sponsors the Student Alumni Association (SAA) for current students
- Sponsors Young Alumni Programs
- Coordinates school-specific or career-related **Alumni Insider's View** 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) 390-4147; or the Rome campus at 011 39 (06) 393-842.

Athletics

St. John's University offers 17 sports programs which compete at the highest level of intercollegiate athletics. The University participates at the Division I level of the National Collegiate Athletic Association (NCAA) and is a founding member of the BIG EAST Conference. Red Storm teams are also affiliated with the Eastern College Athletic Association (ECAC), the Intercollegiate Association of Amateur Athletics of America (IC4A), the Metropolitan Track and Field Association (MTFA), the Intercollegiate Fencing Association (IFA) and the National Intercollegiate Fencing Association (NIFA).

The University has 10 intercollegiate offerings for women, including basketball (six NCAA Tournament appearances), cross

country, fencing (2001 NCAA National Champions), golf (2011 BIG EAST individual champion), indoor and outdoor track and field (20 NCAA Championship appearances), soccer (2010 NCAA Tournament berth), volleyball (two NCAA Tournament berths), tennis and softball.

The seven men's intercollegiate team offerings consist of baseball (tied for eighth all-time with 33 NCAA Tournament appearances, six College World Series appearances), basketball (27 NCAA Tournament appearances, seventh-most wins in NCAA history), fencing (2001 NCAA National Champions), golf (five NCAA Regional appearances), lacrosse, tennis (2011 BIG EAST Coach of the Year) and soccer (1996 NCAA National Champions, four College Cups, 17 NCAA Tournament berths).

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.

Division of Student Affairs

The Division of Student Affairs provides social, educational, recreational, community service opportunities, health and wellness programs and services to support students' full academic experiences. Our mission is to encourage students to become a part of the University community by participating in events and joining organizations that foster learning outside of the classroom, allowing students to create their own unique and engaging college experiences.

The following areas are part of the Division and provide various student services on all three of our New York campuses: Residence Life, University Career Services, Center for Counseling and Consultation, Student Health Services, Student Engagement, Student Conduct, Student Leadership and Development, Fraternities and Sororities, Multicultural Affairs, Wellness Education and Prevention Services, New Student Orientation, Campus Activities, Campus Recreation and Intramural Sports, and Disability Services.

Queens Campus: Senior Student Affairs Administrative offices are housed in Bent Hall as are the Departments of Student Conduct and Student Wellness. The Center for Counseling and Consultation is located in Marillac Hall, and Student Health Services is located on the first floor of DaSilva Hall in the Residence Village.

The D'Angelo Center (DAC) houses the Departments of Student Engagement, Operations and Student Development. Students have access to the many student facilities in the DAC including the Sodano Coffeehouse, student lounges and game rooms, cafeterias, conference facilities for student-faculty engagement opportunities, a Starbucks Café, a student "living room" with a fireplace and piano, a student-run cooperative printing center and a Campus Concierge which provides information and tickets for upcoming programs and events.

Staten Island Campus: Student Affairs administrators are located in the lower level of the Campus Center, the Campus Center Gymnasium and the second floor of the Kelleher Center. Staten Island also houses a Center for Counseling and Consultation, located in Flynn Hall, and a Student Health Services office, located in the Campus Center, Room B17.

Campus Activities

Campus Activities provides students with a variety of programming and leadership opportunities throughout the year. With well over 100 student organizations on campus, there are endless ways to get involved in campus life. By participating in a number of social, cultural, political, spiritual and academic organizations, students will ultimately achieve an enhanced university experience.

Campus Recreation

Campus Recreation is designed to provide the entire University community with the opportunity to participate in a variety of formal and informal activities. These activities encompass team sports, individual and dual sports, as well as competitive and non-competitive activities. In addition to the benefits of physical fitness, participants can obtain new and improved life-long skills, along with social and ethical qualities.

Hours of Operation

Taffner Field House
Monday-Thursday 7 a.m.–11 p.m.
Friday 7 a.m.–9 p.m.
Saturday 10 a.m.–9 p.m.
Sunday 12 p.m.–9 p.m.

Taffner Field House

The Field House includes two multi-purpose courts for basketball, volleyball, tennis and badminton. It also includes locker rooms, a lounge and the Campus Recreation office. A valid St. John's Stormcard is required for entry.

Fitness Center

The Fitness Center is located on the east side of Carnesecca Arena. You may enter the Fitness Center from the lower level in Carnesecca Arena. A valid St. John's Stormcard is required for entry.

Fitness Classes

We offer various fitness classes such as Yoga, Pilates, Spinning, Hip-Hop, Body Conditioning, Self-Defense, Karate, Judo, Kickboxing and many more.

Personal Training

The Personal Training Program is open to all students, administrators, faculty and staff. The Personal Training Program offers one-on-one sessions with a qualified personal trainer who designs a fitness program specifically to meet your needs and interests.

Game Room

The Game Room offers Table Tennis, Foosball, Nintendo Wii, board games, Xbox 360 and PS3.

Intramurals

We offer a variety of Intramural Sports such as Basketball, Dodgeball, Flag Football, Soccer, Softball, Dodgeball, Tennis, Arena Flag Football, Floor Hockey and Wiffleball.

Club Sports

We currently have the following Club Sports: Bowling, Volleyball, Tennis, Ultimate Frisbee and Boxing.

Students interested in starting a new club can do so by visiting the Campus Recreation Office to obtain a proposal form.

Locker Rooms

There are men's and women's locker rooms located in both Taffner Field House and in Carnesecca Arena. The lockers are to be used on a daily basis. You must bring your own lock or purchase one from the Campus Recreation Office in Taffner Field House.

Department of Student Wellness

The St. John's University Department of Student Wellness provides a comprehensive approach to the development of skills for life-long well-being. The Department of Student Wellness is made up of three major areas; Wellness Education, the Center for Counseling and Consultation and Student Health Services.

Wellness Education

Our goal is to empower and educate students as they continue to develop during their time at St. John's University. We seek to understand our students' concerns and offer a steady stream of information so individuals can make informed choices about their own health and wellness. We offer a full calendar of wellness events that feature and reinforce learning around areas such as: alcohol and other drug abuse, nutrition, stress reduction, mindfulness meditation, healthy relationships, sexual abuse and harassment, smoking cessation and balanced living.

Wellness Education offices are located on the Queens Campus in Bent Hall, Garden Level, (718) 990-8046, and on the Staten Island Campus in the Campus Center, Room B15, (718) 390-4082 or contact us at swell@stjohns.edu.

Center for Counseling and Consultation

The Center for Counseling and Consultation provides free and confidential counseling services to students including individual counseling, groups, crisis intervention and community referrals. Psychiatric consultation is available when indicated. The Center embraces a community involvement model and works closely with various departments and student groups by providing training, consultation, and programming including suicide and sexual violence prevention.

The Queens Center, Marillac Hall, Room 130
Phone: 718-990-6384

Fax: 718-990-2609

Hours: Monday, Tuesday, and Thursday: 8:30 a.m.–4:30 p.m. Fridays 8:30 a.m.–3 p.m.
Evening hours until 7 p.m. are provided a few days a week when classes are in session.

The Staten Island Center, Flynn Hall, Room 115
Phone: 718-390-4451

Hours: Monday to Thursday: 8:30 a.m.–4:30 p.m., Friday: 8:30 a.m.–3 p.m.

Services for Students with Disabilities

The Office of Disability Services coordinates equal opportunities for students with disabilities. These services are designed to ensure, for all students, full participation in programs and activities offered throughout the University. The aim of these services is to improve the quality of the academic, social and personal lives of the disabled members of our community. All documentation will be kept confidential in accordance with legal requirements.

St. John's University students requesting accommodations for a disability must present documentation of the disability to the Office of Student Disabilities on the appropriate campus for verification of eligibility.

All documentation will be kept confidential in accordance with legal requirements and should be submitted directly to:

Queens Campus

St. John's University
Office of Student Disabilities
Marillac Hall 134
Queens, NY 11439
Tel 718-990-6867
Fax 718-990-2609

Staten Island Campus

St. John's University
Center for Counseling and Consultation
Flynn Hall 115
300 Howard Avenue
Staten Island, NY 10301
Tel 718-390-4451
Fax 718-390-4036

Student Health Services

The Office of Student Health Services is staffed by full time registered nurses on the Queens and Staten Island campuses and a part-time physician on the Queens campus. Student Health Services provides treatment for minor illnesses or injuries, information about local health care providers, as well as information regarding health issues, physical examinations, and immunization requirements. Hours for the Queens campus are Monday–Thursday 8:30 a.m.–5 p.m. and on Friday 8:30 a.m.–3 p.m. in DaSilva Hall, First Floor, (718) 990-6360. Hours for the Staten Island campus are Monday–Thursday 8:30 a.m.–4:30 p.m. and on Friday 8:30 a.m.–3 p.m. in the Campus Center, Room B19, (718) 390-4447.

Residence Halls and Off-Campus Housing

St. John's University provides housing to undergraduate, graduate, and law students in residence halls and apartments on the Queens and Staten Island campuses. On the Queens campus, these housing options include single, double, triple and quad style rooms in suites, rooms sharing a connecting bathroom, and apartment configurations on- and off-campus. The Staten Island campus offers apartment-style housing at the edge of the campus property. The Office of Residence Life on the Queens campus is located in the Residence Life Office, Donovan Hall C-16; and on the Staten Island campus at 35 Arlo Road Apt. 1A.

University Career Services

University Career Services serves as a resource to internal and external constituents offering career advising, job-readiness skill training, internships and employment services. Career Services offers students a wide range of career-related education and development, which includes, but is not limited to:

Individual Advisement

A Career Advisor will assist you in developing your professional objective, resume/cover letter writing, internship/job search strategies, networking and evaluating job offers/salary negotiations. University Career Services offers one-on-one support for enrolled students.

St. John's CareerLink

St. John's CareerLink is your gateway to University Career Services, online resources and important updates. CareerLink includes access to job, internship and campus recruiting listings; registration for Career Services, programs; workshops, information sessions, career fairs and other event information; and additional career development and employment resources. To access CareerLink, log in to St. John's Central and click on CareerLink on the right-hand side of your screen.

COACH (Count on Alumni for Career Help)

COACH provides you with mentoring opportunities to learn about potential career opportunities and meet people working in the areas you wish to explore. Through COACH, students can spend a day with a mentor through job shadowing and/or connect with mentors on the LinkedIn group Career Connect. Open exclusively to the St. John's community, this group provides students with the opportunity to learn about employment trends, job functions, salary expectations, effective job/internship searches and career paths from alumni.

Polished and Professional

The goal of this series is to provide the professional tools necessary to succeed in your career. Not only will you have the knowledge needed, but by the end of the series you will know what it takes to stand out among your peers. And in today's competitive job market, being polished and professional is essential. Programs include business networking strategies, dining etiquette, creating a personal brand, mock interviewing and more.

On-Site Employer Visits

On-Site Employer Visits provide students with an opportunity to learn about industries and opportunities. Network with alumni, learn more about specific career fields and get experience interacting with potential employers at their company.

Internships and Employment

Are you looking for internships or job opportunities?

If your answer is yes, visit the University Career Services to access resources and listings to assist you with identifying, researching and obtaining meaningful internships, part- and full-time employment.

On Campus Recruiting

Each year employers representing various fields visit St. John's University with hopes of meeting qualified candidates to fill their full-time and internship hiring needs. University Career Services facilitates one-on-one meetings between candidates and employers through on-campus interviews. Interested students may meet with a career advisor to discuss the requirements for participation.

Career and Internship Fairs

Employers from various fields come to campus several times each year offering advice about careers in their organizations and seeking to meet qualified candidates to fill internships, part-time and full-time positions.

Communications Facilities

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

Dining Facilities

St. John's University's Dining Services offers a variety of options to meet your hectic schedule. With new facilities and exciting culinary additions at each location we offer you the ultimate dining experience. For more information regarding campus dining, along with all our great venues and hours of operations, please visit <http://new.stjohns.edu/services/dining> or call our office at 718-990-1535

Queens Campus

Montgoris Dining Hall

All-you-care-to-eat dining open 7 days per week when classes are in session with late night hours. Open to all students, Montgoris serves a large breakfast menu, a variety of international entrees, pizza and pasta, burgers and grilled items, an extended omelet bar, make your own salad bar, deli, sandwich and wrap selections, fruit and yogurt parfait bar, and a Nature's Bounty station featuring a variety of vegetarian, local and whole grain options. Desserts include cookies, cakes and pies.

Hungry Johnnie's C-Store – Montgoris Side Entrance

Open 7 days per week when classes are in session with extended late-night hours, this Montgoris convenience store provides Grab and Go salads and sandwiches, sushi, prepared entrees, beverages, ice cream, snacks, canned foods, groceries, convenience items, and necessities for your home or dorm. .

Marillac Hall Food Court (Terrace Level)

The Marillac Food Court features Burger King, Subway, Fresh Market Salads and Homemade Soups , 2Mato Pizza and Pasta, Plate by Plate International cuisine that includes a grilled-to-order station and homemade specials, Au Bon Pain Soups, and sushi. Halal lunch and dinner selections are also available.

Outtakes Grab and Go (adjacent to Marillac Food Court)

The Outtakes Grab and Go store offers an assortment of fresh hot and cold packaged meals including sushi, snacks, coffee and bottled beverages.

Dunkin' Donuts Store (Marillac Terrace)

New full-service store with all that Dunkin' Donuts is famous for—donuts, muffins and coffee—and more: Dunkin'Donuts ground coffee, bagels, a large selection of made-to-order flatbread sandwiches for breakfast and lunch, Coolatta's frozen drinks in assorted flavors, iced latte, espresso, and hot cappuccino.

Seattle's Best Café at the Library

The Library Café offers a full range of hot and cold specialty coffees, Made 2 Go, Au Bon Pain Soups, along with sandwiches, sushi, freshly baked goods, salads, bottled beverages, parfaits and desserts.

D'Angelo Center Food Court (Level 1) The DAC Food Court offers diners a variety of healthy options including Italian, Chef Yan Can Cook Asian cuisine, a Boar's Head deli section, Nathan's, The Kitchen: entrees, pizza and pasta, sushi, made-to-order grill, and salads. Anchoring the back of the Food Court is a Taco Bell Express store serving their popular menu, and Freshens which serves a wide variety of smoothies and frozen yogurt with all your favorite toppings.

Starbucks (Level 3)

This full-service Starbucks café offers all that Starbucks is known for, right here on St. John's Queens campus. Enjoy specialty coffees, sandwiches, salads, muffins, desserts and prepackaged and made-to-order beverages.

Red Storm Diner at St. Vincent Hall (Patio Level)

This late-night venue provides made-to-order grill items, a large assortment of sandwich melts, burgers, salads, Wings and Things, chili cheese fries, potato skins, nachos, mozzarella sticks, ice cream Sundays and other desserts.

Law School Café

Enhanced to include a customer-friendly center deli area, stop in to try the made-to-order Charcoal's Grill fare, daily hot menu specialties, Red Storm Pizza, Boar's Head deli, sushi, a soup and salad bar and freshly brewed Starbucks Coffee. Fresko Kosher grab and go food is also available

Staten Island Campus

Campus Center Food Court

The food court offers a Toasty Subs station, Charcoals Grill and Pizza, American Kitchen Entrees, homemade soups, Green Mountain Coffee, Outtakes Grab and Go, and an extensive Salad and Grain Bar. In this full service dining location you can also find hot and cold entrees, sandwiches and a variety of convenience items for residents including frozen dinners, snacks, Coke fridge-packs, personal items and more.

Spellman Café

The Café features Au Bon Pain Soups, fruit smoothies, Seattle's Best coffee and Outtakes Grab and Go items. The café also offers a full range of hot and cold specialty coffees along with pre-made sandwiches, baked goods, salads, bottled Coke products, fruit cups and desserts.

Manhattan Campus

The Manhattan Food Court offers Boar's Head deli, a Salad and Grain Bar featuring local produce, Charcoals Grill and Pizza offering a wide selection of grill options, fruit smoothies, homemade soups, Outtakes Grab and Go, and a new Culinary Table featuring made-to-order hot and cold entrees. Also available is Starbucks coffee, Coke products and a variety of convenience-size items.

Check the St. John's Dining Services website (<http://new.stjohns.edu/services/dining>) for the most up to date information, complete menus for all venues, promotions, and hours of operation.

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.

StormCard (ID cards)

Your StormCard must be carried and used as your PRIMARY means of identification while on St. John's University properties.

It must be presented or surrendered to all St. John's personnel who request it when acting within the scope of their official University duties.

Failure to comply with this type of request is a violation of the Student Code of Conduct and subjects the cardholder to disciplinary action.

Your StormCard is the property of the issuer and is non-transferable.

If you find a StormCard, please return it to any one of the Public Safety Offices.

If you lose your StormCard, please report it in person as soon as possible. If you are unable to come to campus, you may suspend your card through the UIS system; but will be required to come to a Public Safety Office listed below upon your return.

Queens Campus: (6281) in the R.O.T.C. outside of Gate 6.

Manhattan Campus: (212) 277-5155 on the first floor by the security desk.

Staten Island: (718) 390-4487 on the first floor inside Spellman Hall.

In all locations, you may receive a replacement StormCard 24 hours a day, 7 days a week.

For the replacement of a lost StormCard, there is an escalating fee which starts at \$25 initially and graduates to a maximum of \$100.

The Global Language and Culture Center

The Global Language and Culture Center, located in St John Hall 104-106 and part of the Department of Languages and Literatures, is a resource center where students, enrolled or not in a language class, can come to practice one of the 15 languages currently offered at St John's University. Through immersion and interaction, with the help of trained language assistants, they can build on the language skills acquired in the classroom in a convivial and relaxed atmosphere.

The Center offers large seating and study areas equipped with computers, large screen TVs and reference material. Individual language pods lend privacy to small study groups.

Students can receive individual tutoring to improve their grades, or engage in group activities under the guidance of a language assistant: grammar, pronunciation and writing workshops, round table conversations in the selected language, or workshops to prepare for an internship abroad in France, Italy or Spain. Lectures and cultural events are held regularly at the Center. Language placement tests are also administered for students interested in majoring or minoring in a Romance language and advisement given on language courses within St. John's College.

For all beginning (levels 1 and 2) and intermediate (levels 3 and 4) language courses 10 sessions at the GLCC are a department requirement per course per semester. A GLCC fee is required.

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 seven microcomputer laboratories, over 250 multimedia classrooms, microcomputer classrooms, and Library patron computers. Deployment of desktop computers to these facilities now totals over 1000 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 1.2GB 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, Rome Italy and Paris France.

Many of the desktop lab computers are Intel Core 2 Duo 3.2 GHz platforms, DVDRW and 4GB of RAM matched by LCD monitors, Windows 7 (OS), the MS Office 2007 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 MAC Pro's running Intel Xeon Quad core with 8 GB of RAM, and running MAC OS 10.6. Wired and wireless printing facilities for both platforms consist of shared high speed BandW as well as color laser printers.

Multimedia Classrooms

Of the total 269 multimedia and seminar style classrooms, 177 are located on the Queens campus, 39 more are at the Staten Island campus and 28 are on the Manhattan Campus. Each multimedia classroom is equipped with a podium, faculty computer, a sound system 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. Multimedia equipped classrooms are available at the other campuses as well.

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 6 multimedia equipped/ large capacity facilities. (The D'Angelo's Center Tiered Lecture Hall, D'Angelo Multipurpose Room, Marillac Auditorium, the two St. Albert Amphitheatres, and the Little Theatre.)

Microcomputer Classrooms

Further, the Queens campus has 13 microcomputer classrooms and Staten Island has six that house both Intel Pentium or Macintosh computers. The Oakdale campus has two computer classrooms, the Manhattan campus has two 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 on 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. Again, this year the University is offering freshmen a choice of one from four laptops with three of them being Lenovo and the fourth a MacBook. The MAC is available for an additional \$400 Program Fee. The Lenovo laptops run Microsoft Windows 7 with Office 2007 Professional and are covered by a 4-year warranty supported by repair centers on the Queens and Staten Island campuses.

The DaSilva Academic Center on the Staten Island Campus illustrates how IT facilities are being adapted for increased laptop usage. 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 connections and network access that are optimized for student laptop usage.

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.

The new architecturally attractive, striking and intimate D'Angelo Center features state-of-the-art technology, including the latest version of the technology podium, video conferencing capabilities, 14 multimedia classrooms and 6 multimedia seminar rooms. The building has been constructed according to LEED (Leadership in Energy and Environmental Design) standards and includes many energy-saving mechanical and electrical systems. The Center is a wireless facility, allowing students to use their laptops wherever they choose. Every classroom is equipped with WallTalker, an innovative product that can be used as a projection screen and whiteboard at the same time. Every seminar room features a 65-inch-high definition Video LCD display or a projector both with a DirecTV feed. There is also a large Multi-Function Room that can be subdivided into 3 full-size fully equipped classrooms or used as one massive banquet hall. Finally, the Tiered Lecture Hall, which seats 145, boasts two DirecTV-ready 65-inch LCD displays besides a video projector and motorized projection screen. Both the Tiered Lecture Hall and Multi-Function Room are equipped with wireless microphones, allowing the speaker to freely move anywhere in the room.

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: 7 a.m.–9 p.m.
Friday: 7 a.m.–6 p.m.
Saturday: Closed
Sunday: Closed

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

For Staten Island Microcomputer Lab hours, please call (718) 390-4498.

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. Social skills training groups are provided. 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 processing testing and otoacoustic emission testing. The Center provides free screenings on site and off–site for a reasonable fee and a free hearing aid help clinic on designated days. Call for fees (718) 990-6480.

University Libraries

The St. John's University Libraries further teaching and learning in the University by providing information resources, instructional services, research assistance and other information services for University programs, students and faculty. 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 University School of Law separately maintains the Rittenberg Law Library on the Queens Campus. Together these libraries contain nearly one million volume equivalents of books, periodicals, government publications, digital and visual media all of which support the undergraduate and graduate programs of the University. The Libraries provide onsite access to all resources and to study space, vast—and increasing numbers—of resources are available remotely to all authenticated members of the University community and in support of our global campuses and online learning programs. Cultural and recreational materials are also available.

The Main Library, completely renovated in the summer of 2008, is a selective depository for United States government documents, and houses Special Collections, the University Archives, and an Instructional Materials Center. The Main Library also oversees the Chin Ying Asian Library located in the Sun Yat Sen Center building.

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 country.

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, and 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 to make informed decisions concerning their academic program and career goals, as well as assisting with 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 call (718) 990-5858 or email the office at freshmancenter@stjohns.edu. You may also visit our website at www.stjohns.edu/ufc.

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

The School of Education

The Peter J. Tobin College of Business

College of Pharmacy and
Health Sciences

College of Professional Studies



ST. JOHN'S
UNIVERSITY

St. John's College of Liberal Arts and Sciences

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

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

Laura Schramm, B.S., Ph.D., *Associate Dean, Associate Professor of Biology*

Carolyn Vigorito, B.A., M.A., *Associate Dean, Staten Island Campus*

Maria Allegratti, B.S., M.S.Ed.; *Assistant Dean, Staten Island Campus*

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

Angela Mirabile, B.A., *Assistant to the Dean, Staten Island*

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*

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

Christine Yang, B.A., *Assistant to the Dean*

St. John's College has two office locations.

On the Queens campus the undergraduate and graduate office is located in St. John Hall, Room 145 (718) 990-6271; on the Staten Island Campus the office is located in Flynn Hall, Room 102, (718) 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++
Rhetoric and Public Address
Social Studies+
Sociology*
Spanish*++
Speech-Language Pathology and Audiology
Theology*

Bachelor of Science

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

Bachelor of Fine Arts++

Fine Arts
Graphic Design
Illustration
Photography

Notes: *Combined B.A./M.A. or B.S./M.S. 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 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: ANT 2440, 2450; ART 1755, 1830; ENG 3300, 3330, 3470, 3475, 3480, 3650; FRE 3820; GOV 2480, 2750, 3680; HIS 2300, 2301, 2302, 2334, 2450, 3410, 3711, 3712, 3850; MUS 1300; PSY 2230; SOC 1190, 2450
Note: independent study courses, special topics courses (e.g. ENG 3390), and graduate level courses with significant Africana content can be counted for Africana minor credit with authorization of professor and director of program; some courses (e.g. PSY 2230 or FRE 3820) have prerequisites.

For more information, contact: Dr. Konrad Tuchscherer, Director of Africana Studies, africana@stjohns.edu

American Studies

(18 semester hours) The American Studies interdisciplinary minor consists of 18 credits, with distribution requirements in three disciplinary groupings. Fifteen credits are taken

from courses listed under three groupings: Humanities; Social Sciences; and Art/Media/Technology. In addition, 3 credits must be taken as an ASP seminar in the junior or senior year. Each semester, the director and committee will choose one course to serve as this seminar, which will require either an academic service learning component or a community based research project organized by the professor.

15 credits from three areas plus a 3 credit capstone seminar:

Humanities Group (6 credits; no more than 3 credits to be taken in any one subject)
ENG 2060, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3390, 3470, 3480, 3560
HIS 2700, 2710, 2711, 2712, 2720, 2730, 2740, 2750, 3100/ASC 2540, 3150, 3180, 3375, 3701, 3702, 3705, 3711, 3712, 3715, 3720, 3725, 3731, 3732, 3735, 3740, 3750, 3760, 3780, 3790, 3795.
PHI 3540
RCT 2040
THE 3510

Social Sciences Group (6 credits; no more than 3 credits to be taken in any one subject):
GOV 2160, 2240, 2430, 2510, 2641, 3330, 3590, 3800
SOC 1170, 1190, 2410, 2440, 2420, 2450, **SOC/ANT** 2750

Arts, Media, and Technology Group (3 credits):
ART 1830, 1840, 2790
MUS 1230, 1260, 1300

Capstone ASP Seminar (3 credits):

Seminar in American Studies: Engaging American Cultures
 The seminar introduces students to recent developments in American Studies focusing on social justice, community-based research projects, field-work, and problem-solving methodologies

Catholic Studies

18 semester (9 hours in core courses and 9 hours in elective courses)
THE 1000C Perspectives on Christianity:
 A Catholic Approach
THE 2000 The Catholic Vision and Imagination
THE 3000 Global Catholicism
 and three (3) additional courses approved by the minor program director; up to two (2) electives may be taken outside of the department of Theology and Religious Studies with the permission of the director.

Women's and Gender Studies

18 semester hours chosen from among these courses with no more than six hours in any one discipline. **Art** 2770, 1840; **ANT** 1110; **CLS** 1240; **ENG** 3350, 3475; **GOV** 1280; **HIS** 3140, 3300, 3460, 3560, 3562, 3731, 3732, 3735; **LLT** 2121; **PHI** 2330, 3580; **PSY** 2240; **SOC** 1150, 1170, 1570, 2220, 2330, 2430, 2440, 4990; **THE** 3240.
 Internships may also receive course credit with approval of the director.

Multicultural and Multiethnic Studies

18 semester hours: **ANT** 1010, **ANT** 1040, **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: **ANT** 2760; **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; **PHI** 3590

Africa: **ANT** 2450, **ENG** 3330; **HIS** 2302; **FRE** 3820; **GOV** 3680

Middle East: **GOV** 3820; **THE** 2850, 3850

Latin America and the Caribbean:

ANT 2440, **GOV** 2690, 2750, 2760; **HIS** 2331, 2332; **FRE** 3820; **SPA** 3100, 3560, 3700, 3730, 3740

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

New York Studies

18 semester hours: **DNY** 1000C (required) and 15 remaining credits from among the following **Ant** 4820, **Art** 1020, **BLW** 1040, **TVF** 1740, **Eco** 1019, **ESP** 1050, **Gov** 2470, 2480, **History** 3760, 3770, **RCT** 2090, **Soc** 1220, 1080, 2460, 2630 1011, 1190, 1021 **The** 3320 (No more than six credits can be from mini-session courses; No more than six credits can be from any one discipline.)

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** 1590, **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	1
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 Art and Design 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.
3. Students seeking admission to the B.A. degree in Speech-Language Pathology and Audiology must have a high school average of at least 82 and a combined SAT score of 1100.

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. All external transfer students seeking admission to the B.A. degree in Speech-Language Pathology and Audiology must have a GPA of at least 3.0.

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. All internal transfer students seeking admission to the B.A. degree in Speech-Language Pathology and Audiology must have a GPA of at least 3.0.

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. A minimum AP score of 3 or better is required for credit to be awarded. However, some departments including English, Biology, Chemistry and Mathematics may require higher scores for certain examinations and major requirements. 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. 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 readmission 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.

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. Students are responsible for all announced exams and for submitting all assignments given in class at a proper time. Ignorance of such exams and assignments is not an acceptable excuse for failure to complete them. Individual faculty members determine participation requirements and if a makeup exam will be given as stated within their course outlines and requirements. Several types of courses such as writing courses, science laboratories, global language and culture courses, art studios and speech performance courses are not covered under this general requirement and may have specific attendance requirements. Students are responsible for the published attendance requirements in any course for which they are registered.

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 on-line through UIS. 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 \$80 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 Chair and the Dean's Office.

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 Dean's Office. With permission of the Dean, 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

Epsilon Delta: Speech Communication Arts and Public Address

Gamma Kappa Alpha: Italian

Lambda Alpha Sigma: Anthropology

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 Chair of 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 Lacaillade 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

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. Students should consult the St. John's College Dean's Office for additional qualification/

application information.

St. John's College offers the following programs as collaborative programs with Tobin College of Business

B.S./M.B.A. in Mathematical Physics/Business Administration
B.S./M.B.A. in Physics/Business Administration
B.A./M.B.A. in Psychology/Business Administration
B.A./M.B.A. in Sociology/Business Administration
B.A./M.B.A. in Anthropology/ Business Administration
B.A./M.B.A. in French/Business Administration
B.A./M.B.A. in Italian/Business Administration
B.A./M.B.A. in Spanish/Business Administration
B.A./M.B.A. in English/Business Administration
B.A./M.B.A. in History/Business Administration
B.A./M.B.A. in Asian Studies/Business Administration

Collaborative Programs

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.P.M. 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.P.M. from New York College of Podiatric 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.

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 and Readings Guidelines

Student must submit to the Department Chair a contract signed by a faculty member from the student's major department. Contract must include: A brief description of the course of study; a representative and tentative bibliography; the requirements established by the faculty member and approval of the contract by the Department Chair
Restrictions: Student must have completed a minimum of 12 credits in the major; achieved a minimum 3.0 GPA in major; the topic of the assigned readings course must be distinct from the department's course listings in the Bulletin; the course may not be substituted for a major requirement;
Student may not take more than two courses of independent research and/or study without the express approval of the Department Chair. Exception: In those departments with a limited number of student majors, the course may be substituted for a requirement in the major with the approval of the Chair.

Independent Courses Guidelines:

Student must submit to the Department Chairperson a contract signed by a faculty member from the student's major department. Contract must include: a brief description of the project; a representative and tentative bibliography; the requirements established by the faculty member; approval of the contract

by the Department Chair.

Restrictions: Student must have completed a minimum of 12 credits in the major; achieved a minimum 3.0 GPA in major; student may not take more than two courses of independent research and/or study without the express approval of the Department Chair.

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. 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.

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 co-requisites are held on the Queens campus. There is a \$5 charge to send out any Pre-Health recommendation packages after the twelfth package.

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 College Core Courses:

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

Major Requirements: 30 to 49 credits
(see departmental pages for specific details)

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 College Core Courses:

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

Major Requirements: 33 to 55 credits
(see departmental pages for specific details)

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	46–51 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 College Core Courses:

None

Art and Design Requirements:

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

(see Art and Design departmental pages for specific requirements regarding portfolios and internships)

General Electives: None
Graduation total: 132 credits minimum

The Institute for Core Studies (ICS)

The Institute for Core Studies (ICS) was created to help first-year students in their academic transition to University Life. As a unit, the three courses comprising the ICS, Writing Composition, Scientific Inquiry, and Discover New York assist first-year students in becoming their own intellectual “gatekeepers” of the large amounts of information from a wide variety of sources to which they are subjected each day. The ICS has five basic educational goals: (1) helping students to develop critical thinking and information literacy skills; (2) familiarizing students with the evidentiary bases of scientific knowledge, the use of quantitative and qualitative research skills, and the distinctions between correlation and causation in the transmission of knowledge; (3) assisting students in developing the writing capabilities and oral communication skills necessary to express their own thoughts and feelings and questions about the world around them; (4) encouraging student understanding of and an appreciation for the uniquely multi-cultural nature of the New York City Metropolitan area; (5) actively engaging students in the University’s Vincentian mission of service to the community by emphasizing Academic Service Learning.

Each of the three classes comprising the ICS plays a distinct but ultimately interrelated part in achieving these goals.

Discover New York (DNY 1000C) encourages students to engage intellectually and personally with the remarkable city that not only houses St. John’s University but also serves as home to people from literally all over the world. Faculty members develop DNY courses around the application of their own academic disciplines, employing these disciplines as the conceptual lenses to address the general framework defining DNY’s educational goals. As a result, students have the opportunity to “see” New York City through a particular academic perspective including those focused on the arts, business, social and political relationships, literature, and media in the city. With a continual emphasis on critical thinking and information literacy skills as the primary pedagogy of learning, the city becomes the laboratory for the students’ application of the course focus. Moreover, with the emphasis on Academic Service Learning, the city is experienced by students as a place populated with “real people,” many of whom live in difficult situations and need assistance.

Writing Composition (ENG 1000C) focuses on literacy education, challenging students to see writing as a multifaceted activity, and immersing them in multiple and far-ranging experiences with writing. Professors help students gain comfort in writing, through a repertory of practices: pre-writing and generating techniques, multiple approaches for developing and organizing their own message, a variety of strategies for revising and editing their own original texts, and ways of preparing products for public audiences and for deadlines. The faculty focuses on developing students’ reflective abilities and meta-awareness about writing by encouraging students to embrace writing, not simply as a set of strategies for the production of essays, but an exercise in thinking. Students are helped to grow as writers through opportunities to discuss what they are writing about with their peers as well as by attending writing conferences with their professors. The faculty creates spaces for student-writers to experience a web of relationships and craft their own unique identities with texts, writing, and multiple literacies.

Scientific Inquiry (SCI 1000C) introduces students to the way scientists think about and view the world. Through a specific theme, such as evolution, atomic theory, energy, or plate tectonics, students will develop their critical thinking and quantitative reasoning skills. The historical development of the specific theme is explored to learn how scientific theories change and develop over time as new discoveries occur. Science is empirical in nature. To understand the process of science, students investigate how experiments are designed and the results interpreted. Students learn the logic of the scientific method and how it may be used to solve problems in their everyday lives. In science, the data are the data, but how they are interpreted and presented has implications on all our lives, from government funding, to medical decisions, to the food we eat. They also learn how data may be biased and misinterpreted using historical examples. Finally, because science is not conducted in a vacuum, and it impacts the world around us, the students analyze societal issues that deal with science in terms of values, ethics and responsibilities.

Discover New York DNY 1000C

THEMES:

The Global City
The Arts
Social Justice
Communication
Literature
Social Institutions
Urban Development
Business and Commerce
Environment and Sustainability

Writing Composition ENG 1000C

THEMES:

Thinking globally, writing locally
Dialogues across cultures and time
Writing and social justice
Traversing genre: Writing across forms
Writing for self, college, and world
Poetics of place
Reading, writing, and reflection
Bookmaking as critical inquiry
People’s writing
Reading and writing multimodal texts
Making the strange familiar and the familiar strange
Writing encounters

Scientific Inquiry SCI 1000C

THEMES:

Atomic Theory
Ecology/Evolution
Evolution
Forensics
Infectious Diseases
Plate tectonics
Kinesiology
Origins of the Universe

Anthropology (ANT)

Please see p. 81-84

Art/Art and Design (ART)

B.F.A. Major Sequences

Fine Arts

84 semester hours including: ART 1110, 1130, 1200, 1210, 1510, 1710, 1720, 2120, 2220, 2230, 2310, 2320, 2520, 2750, 2790, 2800, 3240, 3350, 3560, 4110; 1135 or 1105; 4909 (nine-credit internship), or 4125 (nine credit Creative Thesis); plus twelve elective credits from the approved ART elective list as recommended by the department advisor.

Graphic Design

84 semester hours including: ART 1110, 1105, 1115, 1130, 1200, 1510, 1710, 1720, 2115, 2120, 2125, 2130, 2145, 2750, 3110, 3115, 3120, 3125, 3135, 3350, 4120; 4909 (nine-credit internship), or 4125 (nine credit Creative Thesis), plus 12 elective credits from the approved ART elective 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; 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 twenty-one elective credits from the approved ART elective list as recommended by the 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

18 semester hours: ART 1710, 1720, 2750. two ART history elective courses (for a total of six 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, 1080, and one course selected from ART 1110, 1130, 3350, 1510, 2115, 2130, 1135, 2135, 3120, 1670, 1370, 2250.

Photography

18 semester hours: ART 1610 or 1085, 1620 or 1086, 1660, 1630 and two courses selected from ART 1640, 2650, 3710, 1110, 1105, 1510, 1810, 1820, 1135, 1020, 1670, 2929, 1790, 2250

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/Art and Design Course Offerings (ART)

Non-Major Art Courses

1000C The Creative Process

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, \$50.*

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, \$50.*

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, \$50.*

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, \$50.

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, \$50.

1060 Watercolor Workshop (Mini-Course)

An intensive course in the watercolor medium. Projects are structured to teach students visual sensitivity and creativity. Applicable to major/minor sequences with written permission of the chair. *Credit: 3 semester hours. Studio fee, \$50.*

1070 Printmaking Workshop (Mini-Course)

An introduction to woodcut and etching. Projects are structured to teach students visual sensitivity and creativity. Applicable to major/minor sequences with written permission of the chair. *Credit: 3 semester hours. Studio fee, \$50.*

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. Applicable to major/minor sequences with written permission of the chair. Digital camera required. *Credit: 3 semester hours. Studio fee, \$50.*

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, \$50.*

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, \$50.*

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, \$50.*

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, \$50.*

1110 Foundation Design

A basic course in the elements of design and the principles of composition, pictorial space and structure as they relate to image making. *Credit: 3 semester hours. Studio fee, \$50.*

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, \$50.*

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, \$50.*

1135 Digital Media I

Introductory course exploring the use of computers as a tool in the visual arts. Students will use computers to solve visual problems, and create digital images. *Credit: 3 semester hours. Studio fee, \$50.*

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, modeling, and line quality. *Credit: 3 semester hours. Studio fee, \$50.*

1210 Introduction to Drawing II

Prerequisite: 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, \$50.*

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, \$50.*

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 \$50.*

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, \$50.*

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 Printmaking I: Relief and Intaglio

This course introduces the methodologies and concepts of relief and intaglio printmaking processes. These processes include linoleum and wood cut, found objects, dry point etching and variations of intaglio. *Credit: 3 semester hours. Studio fee, \$50.*

1610 Photography I

An introduction to the tools, techniques and creative aspects of the photographic medium. *DSLR camera recommended. Credit: 3 semester hours. Studio fee, \$50.*

1620 Photography II

Prerequisite: ART 1610 or 1085 with permission of chair. This course will emphasize the critical analysis and development of the student's personal photographic work, and the refinement of basic techniques in both analog and digital photographic processes. *DSLR camera recommended. Credit: 3 semester hours. Studio fee, \$50.*

1630 Digital Photography

Prerequisite: ART 1105 or 1610, or 1085 with permission of chair. An in-depth look at the central features and functions of Adobe Photoshop and Lightroom. *Credit: 3 semester hours. Studio fee, \$50.*

1640 Introduction to Video Art

Introduction to video as a fine art medium addressing historical and conceptual background as well as the techniques and tools for developing works. *Credit: 3 semester hours. Studio fee, \$50.*

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)

As seen through the viewfinder. *Digital camera required. Credit: 3 semester hours.*

1710; 1720 The History of Art I and II

This course surveys the history of painting, sculpture and architecture from the prehistoric era to the present day. *Credit: 3 semester hours.*

1730 Pre-Columbian Art

A survey of the art and culture of selected civilizations of the ancient Americas, including the Aztec, Inca, Maya and Taino. *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.*

1745 Discover The World Integrative Seminar on the Arts, Architecture & Culture in Paris, Salamanca and Rome.

Contemporary art and architecture focusing on three European-Union cities, Paris, Salamanca and Rome. *Credit: 3 semester hours.*

1750 Art of Asia and the Pacific

This course is a general survey of the art and architecture of Asia and the Pacific islands from ancient prehistory to the industrial age. *Credit: 3 semester hours.*

1755 Art of Africa

This course is a general introduction to the art and architecture of the African continent from ancient prehistory to present. *Credit: 3 semester hours.*

1760 Art in Vietnam (Abroad)

A historical survey of Vietnam through its art, culture and architecture by means of photo documentation as a visual language. *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)

This course surveys the visual arts of the Renaissance in Italy. It may be substituted for Art 1720 (The History of Art II). *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.*

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.*

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.*

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.*

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, \$50.*

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, \$50.*

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, \$50.*

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, \$50.*

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, \$50.*

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, \$50.

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, \$50.

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, \$50.

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.*

2260 NYC Sketchbook

Open to the absolute beginner and the advanced art student as well, this distance learning drawing course enables students to work at their own pace. All course work will be independently achieved and assessed using a distance-learning mode.

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, \$50.*

2310 Painting I

An introduction to painting composition emphasizing the development of various technical skills. Projects are observation-based and employ perspective, color theory, and process.

Credit: 3 semester hours. Studio fee, \$50.

2320 Painting II

Prerequisite: ART 1200, 2310. This course builds on the principles of Painting I encouraging

investigation into painting's conceptual, material, and expressive possibilities. *Credit: 3 semester hours. Studio fee, \$50.*

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

This course introduces the methodologies and concepts of planographic methods of printmaking processes. These processes include stencils, screen-printing, transfer methods, monoprints and variety of newer adaptations, such as polyester plate lithography.

Credit: 3 semester hours. Studio fee, \$50.

2530 Printmaking III

Prerequisite: Art 1510 and or 2520. This course examines advanced concepts of printmaking processes extending expertise from introductory printmaking. Students will adapt a wider and more complex variety of printing techniques. Emphasis will be placed on individual ideas and content.

Credit: 3 semester hours. Studio fee, \$50.

2650 Documentary Photography

Prerequisite: ART 1610; 1085 or 1080 can also serve as prerequisite with permission of chair. Documentary approaches to photographing people, places and events; creation of photographic images that articulate a vision of social and interpersonal issues. DSLR camera recommended. *Credit: 3 semester hours. Studio fee, \$50.*

2740 European Art–19th Century

This courses surveys developments in European painting, sculpture and architecture from 1789 through the close of the 19th century.

Credit: 3 semester hours.

2750 Twentieth-Century Art

This survey course introduces students to methods of visual, critical and art historical analysis, focusing on art works, artists and art movements, critical writing and art institutions of the twentieth century, treated in light of socio-political and cultural developments of this period. *Credit: 3 semester hours.*

2760 Latin American Art: Encounters Between Two Worlds

A study of the art history of Latin America from Pre-Columbian times to the colonial

and the modern periods, all of which were characterized by widespread and intensive encounters between people of radically different cultural values. *Credit: 3 semester hours.*

2770 Women in the Arts

This course surveys art and gender through studies of the expanded canon of art history and of critical, theoretical and historical writing on the subject. This course covers material treated in the Art 1710–1720 sequence (The History of Art I and II) through the lens of gender and therefore and may be substituted for these courses. *Credit: 3 semester hours.*

2790 Contemporary Art and Culture, 1945–Present

Focusing on international art of the postwar period, this course examines works, artists, art movements, exhibitions and institutions in relation to critical and theoretical texts and through interdisciplinary methods locates developments in global contemporary art in socio-political and cultural contexts. *Credit: 3 semester hours.*

2800 Criticism Theory & Practice

A survey of theoretical texts informing contemporary art making over the last three decades and the application of new vocabulary, concepts, and analytical tools in creative studio work. *Credit: 3 semester hours.*

2929 Culture of Southern Italy, A Visual Journey (Abroad/Mini-Session)

A workshop photography course concentrating on the documentation of people, places, culture and history. *Digital camera required. Credit: 3 semester hours.*

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, \$50.*

3115 Book Arts

Prerequisite: ART 1105 and ART 1510. This course will introduce students to the book as an art form. Emphasis is on visual and conceptual structuring of the book that investigates the interplay between idea and form. Various methods of book construction will be taught along with basic printing techniques encompassing traditional and digital methods that focus on the sequencing of images. *Credit: 3 semester hours. Studio fee, \$50.*

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, \$50.*

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 through the use of advanced level studio projects. The class will also respond to contemporary issues in the graphic design through 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, \$50.*

3240 Drawing III

Prerequisites: ART 1200, 1210 This course focuses on the activity of drawing through the exploration of a variety of mediums and contemporary processes. While working from the basis of their own thematic and formal concerns, students will be directed through a series of experimental projects that investigate the fabrication of line and its relationship to other media. *Credit: 3 semester hours. Studio fee, \$50.*

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, \$50.*

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, \$50.*

3350 Mixed Media Concerns

An advanced level of research pursuing high standards of studio creativity and application. *Credit: 3 semester hours. Studio fee, \$50.*

3550 Experimental Printmaking

Prerequisite: Art 2530. This course encourages further exploration of various printmaking media including digital printmaking. For advanced printmakers. *Credit: 3 semester hours. Studio fee, \$50.*

3560 Studio Seminar I

This studio course introduces students to methods for independent creative inquiry and artistic production. The course encourages

thematically unified projects that are inventive and topical. *Credit: 3 semester hours.*

3565 Studio Seminar II

In this advanced level studio course students will create a body of creative work that responds to evolving issues within society and Contemporary Art. *Credit: 3 semester hours.*

3710 Contemporary Photography

Survey of contemporary photography examining the major changes and movements since 1960. Students will study images that span across genres of photography, meet professional photographers, editors and curators. *Credit: 3 semester hours.*

4000 Special Topics in Art

A study of special themes and topics in art history from the twentieth century to the present. The course is intended to supplement regular course offerings in the Department of Art and Design. *Credit: 3 semester hours*

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 \$50.*

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, \$50.*

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.*

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, ninth, 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, \$350.*

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 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 and 300 For specific M.A. degree program requirements, consult the St. John's University Graduate Bulletin.

Other Accelerated Degree Programs

The Institute of Asian Studies offers a number of undergraduate/graduate accelerated degrees with the Tobin College of Business: BA/MBA program and BA/MS in Accounting program. All students interested in the combined degree program must fulfill the eligibility requirements stated above for the BA/MA.

Minor Sequence—Asian Studies

18 semester hours in Asian Studies including six semester hours of ASC 1300 and 2610; six semester hours of Asian languages courses (CHI, JPN and KOR) and six semester hours chosen under the advisement of the Director of the Institute of Asian Studies.

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.

2720 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.

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 Courses (CHI)

1010; 1020 Elementary Chinese

Prerequisite: CHI 1010 is a *Prerequisite* for CHI 1020. The development of audio-lingual and reading skills through a study of the essentials of grammar, pronunciation and vocabulary. *Language Laboratory required.*
Laboratory fee, \$50. Credit: 3 semester hours.

2030; 2040 Intermediate Chinese

Prerequisite: CHI 1020 or placement exam. CHI 2030 is a *Prerequisite* for CHI 2040. A review of the essentials of grammar, extensive vocabulary building and development of writing skills. *Language Laboratory required.*
Laboratory fee, \$50. Credit: 3 semester hours.

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 Courses (JPN)

1010; 1030 Elementary Japanese

Prerequisite: JPN 1010 is a *Prerequisite* for JPN 1030. 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. *Language Laboratory required. Laboratory fee, \$50.*
Credit: 3 semester hours.

2030; 2040 Intermediate Japanese

Prerequisite: JPN 1030 or placement exam. JPN 2030 is a *Prerequisite* for JPN 2040. This course increases the student's ability in comprehending, reading and writing Japanese. *Language Laboratory required. Laboratory fee, \$50. Credit: 3 semester hours.*

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 Courses (KOR)

1010; 1020 Elementary Korean

Prerequisite: KOR 1010 is a *Prerequisite* for KOR 1020. Introduction to Korean. The students study the fundamentals of the Korean language with emphasis on the Korean alphabet, spelling, pronunciation and basic grammar. *Language Laboratory required.*
Laboratory fee, \$50. Credit: 3 semester hours.

2030; 2040 Intermediate Korean

Prerequisite: KOR 1020 or placement exam. KOR 2030 is a *Prerequisite* for KOR 2040. 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.
Language Laboratory required. Laboratory fee, \$50. Credit: 3 semester hours.

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

29 semester hours including BIO 1000, 1001L, 2000, 2001L, 3000, 3001L and 5 BIO elective courses that account for at least 17 credits. Two of these 5 BIO elective courses must be 4-credit courses. 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, 1070, 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.

Pre-MD Track

The Department of Biological Sciences offers Premedical Track in Molecular Biosciences for BIO Majors (PMD Track). The successful completion of the PMD Track requires 3.5 cumulative index overall and at least grade B+ or better in each science course (math, physics, chemistry, biology). In addition to the requirements for BIO majors, the students in the PMD Track must take PHY 1930 and PHY 1940 and 3 semesters of BIO 599A. The BIO elective courses must account for at least 19 credits and must include at least 4 courses from the following group: BIO 2260, 2280, 3270, 3300, 3320, 3390, 3460, 3470, 3830, and 4420.

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 majors. *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.*

1001L Fundamentals of Biology I Laboratory

Corequisite: BIO 1000. Principles of evolution, population biology and ecology from a laboratory perspective. *Laboratory, 3 hours. Laboratory fee, \$100.*

1050 Human Biology

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

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

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

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.*

1859 Tropical Ecology and Evolution

Study Abroad Winter Intersession field course

to the Ecuadorean Highlands and Galapagos Islands. *Not open to BIO majors. Credit: 3 semester hours.*

2000 Fundamentals of Biology, II: Introduction to Cell and Molecular Biology

Prerequisite: CHEM 1210. *Corequisite:* BIO 2001L; *Laboratory.* 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 nervous systems from invertebrate to mammals focusing primarily on the mechanisms by which the brain functions. *Credit: 3 semester hours.*

2260 Cellular Biology of Human Tissues

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 2261 *Laboratory.* 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.*

2270 Introduction to Virology

Prerequisite: BIO 2280. Introduction to the biology of viruses including structure, replication, disease causation, and host response to infection. *Lecture, 3 hours. Credit: 3 semester hours.*

2280 General Microbiology

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 2281 *Laboratory.* 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.*

2290 Immune System in Human Disease

Prerequisite: BIO 2000, or consent of instructor. Introduction into the role of immune system in human diseases. *Lecture, 3 hours. Credit: 3 semester hours.*

2300 Biochemistry of Beermaking and Winemaking

Prerequisite: Bio 2000, or consent of instructor. An introduction into basic biochemical concepts of beer making, winemaking, and industrial ethanol production. *Lecture, 3 hours. Credit: 3 semester hours.*

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, \$100.*

2510 Aquatic Ecology

Prerequisite: BIO 1000; 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, \$100.*

2859 Island Biogeography

Prerequisite: Bio 1000 and 2000. Principles of biogeography illustrated and explored during a winter intersession trip to Ecuador, including the Galapagos. *Credit: 3 semester hours.*

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.*

3260 Foundations of Physical Chemistry for Life Sciences

Prerequisite: MTH 1220 or MTH 1740 and PHY 1620 or PHY 1940. Review of thermodynamics, kinetics, quantum mechanics and spectroscopy with a focus on applications from the life sciences. *Lecture, 3 hours. Credit: 3 semester hours.*

3270 Developmental Biology

Prerequisite: BIO 3000; 3001L. *Corequisite:* BIO 3271 *Laboratory.* 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, \$100.*

3300 General Physiology

Prerequisites: BIO 3000; 3001L, CHE 2230. *Corequisite:* BIO 3301 *Laboratory.* and PHY 1620 or 1940. 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, \$100.*

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, \$100.*

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, \$100.*

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, \$100.*

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, \$100.*

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, \$100.*

3480 Scientific Literacy/Integrity

Prerequisite: BIO 1000, BIO 3000, and one BIO elective course. Critical evaluation of diverse forms of biology-related literature and interpretation of biological literature relevant to specific research questions. *Lecture, 3 hours. Credit: 3 semester hours.*

3490 Dental Preceptorship

Prerequisite: BIO 3000. Clinical observation in general dental practice and selected dental specialties. *Credit: 1 semester hour.*

3830 Bioinformatics

Prerequisite: BIO 2000 and Biology 3320 or Biology 3470, or consent of instructor. *Corequisite:* Bio3831 *Laboratory.* Integration of genetics, molecular biology and computational biology into the modern informational perspective of biology. *Lecture, 3 hours. Laboratory, 3 hours. Laboratory fee, \$100. Credit: 4 semester hours.*

4420 Inquiry-based Genetics

Prerequisite: BIO 2000, BIO 2001L and consent of instructor. *Corequisite:* BIO 4421 *Laboratory.* Genetics with Project Lab in Development, emphasizing team-based participation in a developmental genetics research project. *Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$100.*

4951; 4952 Field 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 field research project. *Registration in both 4951 and 4952 simultaneously requires explicit approval of the UEPC.* Qualified juniors and seniors majoring in biology may undertake directed field research. *Field research work, 4 hours. Credit: 2 semester hours.*

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, \$100.*

4955; 4956 Internship in Biology

Prerequisite: 3.0 GPA, approval of the Undergraduate Educational Policy Committee and acceptance from an off-campus mentor for an internship project. *Registration for both BIO 4955 and BIO 4956 simultaneously requires explicit approval of the UEPC.* Directed off-campus research project in biology for qualified juniors and seniors majoring in biology. *Off-campus research work, 4 hours. Credit: 2 semester hours.*

Business (BUS)

Minor Sequence

27 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 or DS 2333. 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

46 to 51 semester hours including: CHE 1310, 1313; 1320, 1323; 2630, 2633, (or 2230); 2640, 2643, (or 2240); 3000, [3210 or 3280], [3220 or 3270], 3250, 3300, 3320, 3340, 3440. All CHE majors must also include one option. 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 (46-47 credits)

One of the following: CHE 3260, 3330, 3360, 3390, 3420, 3431, 4351, 4361, 4903, or a 100 level graduate CHE course.

Option II: B.S. in Chemistry with American Chemical Society Certification (50-51 credits)

CHE 3390 and one of the following: CHE 3260, 3330, 3360, 4351, 4361, 4903, 3420, 3431, or a 100-level graduate CHE course.

Option III: B.S. in Chemistry with a Concentration in Biochemistry (51 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 1310, 1313; 1320, 1323; 2630, 2633, (or 2230); 2640, 2643, (or 2240); 3000, [3210 or 3280], [3220 or 3270], 3250, [3300 or 101], 3320, [3340 or 111], 3440. 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

22-26 semester hours: two (2) courses in general chemistry; two (2) courses of organic chemistry and six (6) additional chemistry credits from courses above number 2640.

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, 1.5 hours. Laboratory, 3.3 hours. Credit: 4 semester hours per semester. Laboratory fee: \$100 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. Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit: 4 semester hours per semester. Laboratory fee, \$100 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, 1.5 hours. Laboratory, 3.3 hours. Credit: 5 semester hours. Laboratory fee, \$100 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, 1.5 hours. Laboratory, 3.3 hours. Credit: 5 semester hours. Laboratory fee, \$100 per semester.*

1310 Advanced General Chemistry I

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 Advanced General Chemistry I: 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, 1.5 hours. Laboratory, 3.3 hours. Laboratory fee, \$100 per semester. Credit: 2 semester hours.*

1320 Advanced General Chemistry II

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, 1.5 hours. Credit: 3 semester hours.*

1321RL Advanced General Chemistry 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. *Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit 2 semester hour. Laboratory Fee \$100 per semester.*

2230; 2240 Organic Chemistry: Laboratory and Recitation

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, \$100 per semester.*

2630, 2640 Advanced Organic Chemistry I and II

Prerequisites: CHE 1220 or 1320 is a *prerequisite* for CHE 2630. CHE 2630 or 2230 with permission of instructor is a *prerequisite* for CHE 2640. *Corequisites:* CHE 2633LR is a *corequisite* for CHE 2630. CHE 2643LR is a *corequisite* for CHE 2640. A comprehensive treatment of the structure, bonding and reactivity of organic molecules integrating an aggressive approach towards problem solving and pattern recognition. *Credit: 3 semester hours.*

2633LR, 2643LR Advanced Organic Chemistry Laboratory and Recitation I and II

Corequisites: CHE 2630 for 2633LR, and CHE 2640 for 2643LR. *Students learn techniques and mindset of a safe, practicing organic chemist. The experiments are data-driven investigations wherein students demonstrate observational, problem-solving and critical-thinking skills. Recitation: 1.5 hours. Laboratory 4 hours. Credit: 2 semester hours.*

3000 Chemistry Seminar

Prerequisites: CHE 2240 or CHE 2640. Examination of ethical reasoning, responsible conduct in research, safety in the chemical laboratory, and the dissemination of scientific results. *Credit: 1 semester hour.*

3210 Microscopic Physical Chemistry

Prerequisites: CHE 2240 or 2640, MTH 1740, and PHY 1620 or 1940. Introduction to quantum mechanics: application to atomic structure, theories of chemical bonding, atomic and molecular spectroscopy, and computational quantum chemistry. Introduction to statistical thermodynamics. *Credit: 3 semester hours.*

3220 Macroscopic Physical Chemistry

Prerequisites: CHE 2240 or 2640, CHE 3210 or permission of instructor, MTH 1740, and PHY 1620 or 1940. *Corequisites:* CHE 3320. Thermodynamics of pure substances, mixtures and chemical reactions, with emphasis on processes under non-standard state conditions; chemical kinetics; connecting micro- and macroscopic perspectives via statistical mechanics. *Credit: 3 semester hours.*

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, \$100.*

3260 Advanced Organic Chemistry III

Prerequisites: CHE 2240 or 2640. Advanced topics in organic chemistry covering various aspects of structure and bonding theory, synthesis, mechanisms, and spectroscopy. *Credit: 3 hours.*

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, 3220 or 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, \$100.*

3320 Experimental Physical Chemistry

Corequisite: CHE 3321, and 3220 or 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, \$100.*

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 or 3220 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, \$100.*

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.*

3440 Introduction to Inorganic Synthesis

Corequisite: CHE 3441. *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, \$100.*

4351; 4361 Research Participation I; II

Prerequisite: CHE 2240 or 2640 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, \$100 per semester.*

4903 Chemistry Internship

Prerequisite: CHE 2240 or 2640 and permission of the professor. 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.*

Communication Sciences and Disorders (CSD)

Major Sequence

Speech-Language Pathology and Audiology

39 semester hours including: CSD 1710, 1720, 1730, 1740, 2750, 2760, 2770, 2810, 4990, and the 12 remaining credits from 1750, 1810, 1820, 2775, 2780, 3840, 4810, 4840 (Q campus) (4803, 4843 SI Campus), 4953 and RCT/CSD 1155.

Minor Sequence

Speech-Language Pathology and Audiology

21 semester hours including CSD 1710, 1720, 1730, 1740, 2750, 2760 and 2770

Speech-Language Pathology and Audiology Course Offerings (CSD)

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: CSD 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: CSD 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: CSD 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.*

1810 Introduction to Phonology

An introduction to the study of sound systems found in language and its application to areas such as language acquisition, speech pathology, dialectal variation and historical change. *Credit: 3 semester hours.*

1820 Neurological Bases of Normal Human Communication and Balance

Prerequisite: CSD 1710, 1720 or permission of the Department. Basic anatomy and physiology of the human neurological system as it pertains to normal communication processes and balance. *Credit: 3 semester hours.*

2750 Introduction to Audiology

Prerequisite: CSD 1740 or permission of the department. Measurement of hearing, including pure tone and speech audiometry, immittance testing, and special tests. Interpretation of audiograms and screening procedures and pathologies of the auditory system. *Credit: 3 semester hours.*

2760 Speech-Language Pathology I: Language Disorders

Prerequisite: CSD 1710, 1720, 1730 or permission of the department. Disorders of language based on organic causation including delayed and disordered language, aphasia. *Credit: 3 semester hours.*

2770 Speech-Language Pathology II: Speech Disorders.

Prerequisite: CSD 1710, 1720, 1730 or permission of the department. Disorders of speech based on organic causation including cleft palate, cerebral palsy, dysarthria, articulation defects, dysfluency, and voice disorders. *Credit: 3 semester hours.*

2775 Language-Based Learning Disabilities

Prerequisite: CSD 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: CSD 2750 or CSD 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: CSD 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.*

2810 Observation Skills in Speech-Language Pathology and Audiology

Prerequisites: CSD 1710, 1720, 1730, 1740
Corequisites: CSD 1750 and at least CSD 2760 or 2770. Objective identification and written evaluation of assessment and treatment processes in speech-language pathology and audiology; factors affecting service delivery; social implications of the therapeutic process. *Credit: 3 semester hours.*

3840 Diagnostic Methods in Speech-Language Pathology

Prerequisite: CSD 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 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: CSD 4803 and CSD 4813 require 8 hours weekly for 3 credits.*

4810 Clinical Practicum in Audiology

Prerequisite: CSD 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.*

4840 Clinical Practice in Speech-Language Pathology – Queens campus.

Prerequisites: CSD 2760 and CSD 2770. This course focuses on supervised clinical practice in management and intervention strategies in the communicatively impaired, and preparation of clinic records and reports at the University's Speech and Hearing Center, Queens campus. Open to students with a GPA of 3.5 in the major and an overall GPA of 3.3. *Credits: 3 semester hours.*

4843 Clinical Practice in Speech-Language Pathology – Staten Island campus.

Prerequisites: CSD 2760 and CSD 2770. This course focuses on supervised clinical practice in management and intervention strategies in the communicatively impaired, and preparation of clinic records and reports at off-campus clinical sites. Open to students with a GPA of 3.5 in the major and an overall GPA of 3.3. *Credits: 3 semester hours.*

4953 Independent Study

Study of specific topics in communication sciences and disorders under the guidance of a faculty member. Students must select a mentor for this study. *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.*

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, 4399, 4400; 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 matriculate for 24 undergraduate credits, including the three required English courses (ENG 1100C, 2200 and 2300), and a seminar. They matriculate for a total of twelve graduate credits while still undergraduates, counting these credits toward their undergraduate major either as divisional requirements or electives.

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); nine credits of electives in additional creative writing courses; and two literature electives from the 3000 level.

Note: It is possible to major in English and to minor in Creative Writing. Students interested in this option should see the Chair.

Note: ENG 1000C is not applicable to major or minor sequences.

English Course Offerings (ENG)**1000C English Composition**

An intensive writing course emphasizing critical thinking, reading, and writing practices. A focus on writing as a mode of communication and a social activity, as well as a matter of negotiating the expectations of different audiences and rhetorical conventions of multiple genres. *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 the English Major

A foundation course introducing English majors and minors to the disciplinary practices of the English major. Restricted to English majors and minors. Strongly suggested as first course in major or minor.

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. *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

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 deeds. *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.

3270 Eighteenth-Century British Poetry

Study of the diverse poetic traditions and literary cultures of Britain in the long eighteenth century. *Credit: 3 semester hours.*

3290 Special Topics in 18th- and 19th-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.*

3370 International Context for Early American Literature

Early American literature in context with other literatures from around the globe.

Credit: 3 semester hours.

3375 Environmental Literature

Examines early American writing about nature and the environment. *Credit: 3 semester hours.*

3380 Selected Themes and Authors in Early American Literature

A close study of selected themes and authors

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: 20th-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 20-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.

3475 African American Women's Rhetorics

This course examines multiple persuasive discourses—written, oral, and visual—of black women in the United States.

Credit: 3 semester hours.

3480 The Harlem Renaissance

A study of the literature of the Harlem Renaissance, the African American cultural movement that followed World War I and lasted in The 1930s. *Credit: 3 semester hours.*

3490 Special Topics in 20th-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

Note: Courses below marked with an asterisk may count as Division IV requirement

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.*

3650 Caribbean Literature *

Study of the fiction, poetry, essays, and drama of the Caribbean and the Caribbean Diaspora. *Credit: 3 semester hours.*

3660 South Asian Literature

Study of the fiction, poetry, essays and drama of South Asia and the South Asian Diaspora. *Credit: 3 semester hours.*

3670 Ethnic Autobiography

We will be reading a selection of "ethnic" American autobiographies, paying careful attention to how the genre, and "ethnic" autobiography in particular, deploys certain literary forms, strategies and devices to construct the self and the nation. *Credit: 3 semester hours.*

3680 Reading the Body: Race, Gender, Text

Poststructuralist theories of gender, race, the text and the body. *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

An introduction to writing various forms of nonfiction. *Credit: 3 semester hours.*

3720 Creative Writing: Nonfiction Prose

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.*

3800 Working-Class Theory, Literature, and Culture

A survey of British and American cultural studies theories and an exploration of contemporary twentieth century literary and cultural representations of the working class. *Credit: 3 semester hours.*

3810 The History of Silent Film *

An advanced introduction to the history of silent film, studying major historical innovations, schools, and styles of filmmaking. *Credit: 3 semester hours.*

3820 The History of Sound Film to 1975 *

An introduction to the major national schools and styles of filmmaking from the period of sound's innovation to the New Hollywood of the mid-70s. *Credit: 3 semester hours.*

3880 English Studies in the Digital Age

This course investigates how digital technologies impact the way we read literary texts and it introduces students to debates and practices in the digital humanities. *Credit: 3 semester hours.*

3890 Topics in Film Genre*

A study of the formal similarities, stylistic and narrative patterns, and mythic values of a particular generic category of film production. *Credit: 3 semester hours.*

3900 Modern Rhetorical Theory

Examination of the development of rhetorical theory from the beginning of the twentieth century to the present including discussion of important thinkers, movements, and issues. *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. in Environmental Sustainability and Decision-Making

45-46 semester hours, including: GOV 1030, 2160, [GOV 2500 or ESP 2500]; GEO 2001; ESP 1010, 1020, 2410 4990; ANT 1120 and one course in applied statistics.

In addition to required courses students must complete 15 credits in approved major elective courses; these may include internship and/or research credits. The current list of major electives is available at the program office SJH 145.

B.S. in Environmental Science

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 in approved major elective courses; these may include internship and/or research credits. The current list of major electives is available at the program office SJH 145.

The B.S. degree in environmental studies requires 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 semester hours

ESP 1010, GEO 2001 and three additional courses from the list of approved environmental electives.

Environmental Education Minor

15 semester hours

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 (ESP) Course Offerings

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.*

1020 Methods of Environmental Analysis-Practicum

Prerequisite: ESP 10101. An analytical study of the current methods of environmental analysis focusing on interdisciplinary ecological, geophysical and technological measures. *Campus-based field work required. 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.*

1060 Discover Bermuda: Adaptive Ecosystem Management, Sustainability and Socioeconomic Issues

This Bermuda based multidisciplinary course covers issues involved in environmental decision making such as sustainability, economic, ecological, sociological, ethical and educational. Includes both classroom lectures and field trips. Students should be able to swim and engage in fairly rigorous walking and hiking activities. *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 Principles and Practices of Sustainable Development

An analysis of the theoretical underpinnings and practical applications of sustainable development on a global, local and individual level; sustainable practices in areas such as building, waste management, industrial production and energy are included. Campus-based field work required. *Credit: 3 semester hours.*

2500 Environmental Management, Regulation and Decision-Making

Prerequisite: GOV 1030. Analysis of the major federal environmental statutes, their historical development and amendments, and their practical application in today's regulated

community. *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, \$100.*

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, \$100.*

3480 Environmental Geology

Prerequisite: Second year standing or Permission of the instructor. An analysis of the relationships between human beings and the Earth. Geological hazards, evolutionary Earth changes and the power of modern civilization to alter the Earth. *Credit: 3 semester hours.*

3481L Environmental Geology Laboratory

Classroom based activities, outdoor field trips and participation in a class project dealing with current environmental geology issues. *Credit 1 semester hour. Lab one 3-hour session per week. Lab fee \$60. (Note: ESP 3481L may be taken separately from ESP 3480.)*

4903-4096 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: 3-6 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 Major

36 semester hours including: GOV 1050 and 1030; one elective in each of the following areas:

International Relations: GOV 1610, 2170, 2640, 2810, 3260, 3630, 3670;

Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3310, 3680, 3710, 3720, 3820, 3850, 3851;

Political Theory: GOV 1250, 1260, 1270, 1280 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 Major

36 semester hours including: GOV 1030, 1530, 3540, 4995; one elective in each of the following areas:

International Relations: GOV 1610, 2170, 2640, 2810, 3340, 3620, 3630, 3670;

Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3680, 3710, 3720, 3850, 3851;

Political Theory: GOV 1250, 1260, 1270 and 1280. 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.

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.

Undergraduate students accepted into the accelerated BA/MA program in Government and Politics will complete a total of 36 credits of combined Government and Politics undergraduate and graduate courses with the following options:

18 undergrad and 18 graduate credits OR

24 undergraduate and 12 graduate credits.

Eligibility requires an overall 3.0 cumulative index and a 3.5 index in major courses. In their fifth year students pursue full-time graduate work completing the balance of credits necessary to meet the 33 credit MA degree requirement. Please see the department chair for further details.

Other Combined Degree Programs

The Department of Government and Politics offers a number of undergraduate/graduate combined degrees with the College of Professional Studies: BS/MA programs in Communication Arts, Criminal Justice, Health Care Administration, Journalism, and Paralegal Studies. All students interested in the combined degree program must fulfill the eligibility requirements stated above for the BA/MA.

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, 3340, 3620, 3630, 3670;

4. One course in comparative government from: GOV 2650, 2660, 2690, 2730, 2750, 1700, 3820, 3680, 3710, 3720;

5. One course in political theory from: GOV 1250, 1260, 1270, 1280;

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.

1050 Research Methods for Government and Politics

Prerequisite: Gov 1030. As a foundation for Government and Politics majors this course provides introductions to research methods and scholarly writing. All GOV majors must take 1050 as one of their first 4 courses in the major. 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 key works from the Renaissance to the late 19th century, Burke, Machiavelli, Hobbes, Locke, Rousseau, Wollstonecraft, Marx. *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.

1350 Politics and Religion: The American Experience

Explores the complex relationship between politics and religion in liberal democracy, with a focus on the United States.

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 study of the methodology of comparative political analysis and research. Topics include political institutions; ethnicity and ethnic conflict; regimes and regime change; parties and party systems; and democracy and democratization. *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 interrelationship 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

An examination of the political dimensions of environmental issues and development issues in selected countries and regions around the world. *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

Introduction to contemporary Western European Political systems, institutions of those systems, and six major countries: Great Britain, France, Germany, Italy, Netherlands, and Spain. *Credit: 3 semester hours.*

2660 Government and Politics of Eastern Europe

Introduction to contemporary political systems in Central/Eastern Europe, institutions of those systems, and their transition from socialist to market economies, and transformation to democratic institutions.

Credit: 3 semester hours.

2670 European Union Politics

Creation of the European Union and the politics of European integration; examines European Union activities and its role in policy development, common market and currency, and foreign affairs. *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 postelective 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 Political Image Through Literature

Relationship of politics, literature, and especially film through the topics of domestic electoral politics, Vietnam War, political violence, gender and love, social rebellion. *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.

3310 Comparative Diversity, Identity and Governance

Examines the politics of highly diverse societies, analyzing the quality and level of cultural, ethnic, national, religious and linguistic diversity as variables in effective governance.

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 counterrevolutionary 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.*

3340 Arms Races and Arms Control

This course investigates the origins and implications of arms races in the context of international relations theory and evaluates the successes and failures of arms control initiatives throughout history. *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

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. *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.*

3851 Politics of Genocide

Prerequisite: Gov 1010. The political issues surrounding genocide and collective violence. The course will help students to better understand one of the most complex and troubling issues in historical and contemporary political life. *Credit: 3 semester hours.*

3992 Integrating Seminar: Politics of the European Union in Paris, Rome and Salamanca

Distance Learning: open only to students enrolled in the Discover the World Program. An integrative and comparative political science framework for examining the European Union's impact on and relations with France, Italy and Spain. *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.*

History (HIS)/Geography (GEO)**Major Sequence—History**

36 semester hours including: HIS 1010 and 1000C, 2990, six credits in U.S. history, six credits in European history, six credits in non-Western history, a three-credit seminar in junior or senior year, and six 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, 2990, 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, 2990 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.*

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.*

Required Course for the History Major and Minor**Sophomore Seminar: Introduction to History**

Restricted registration. Foundations of historical thought and practice: basic tools of historical analysis and research, overview of the development of historical studies, how to read and write history. Required of all majors and minors in their sophomore year. *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.*

2005 After Rome: Later Christendom, Byzantium and Islam to 800

Comparison of the three great medieval societies that arose from the Roman Empire: the Byzantine Empire, the Latin Christian Frankish Kingdom, and the Abbasid Caliphate. *Credit: 3 semester hours.*

2007 Food and History from Ancient to Early Modern Times

The course examines themes in the history of food and drink from early hunting and gathering to the early modern period, including production, procurement, consumption, and cultural representations. *Credit: 3 semester hours.*

2009 Food and History from Ancient to Early Modern Times to the Present

The course examines themes in the history

of food and drink from the early modern period to the present, including production, procurement, consumption and cultural representations. *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 nationbuilding 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.*

2340 The History of Pre-Columbian Civilizations

Survey of pre-Columbian societies emphasizing political, cultural, social, technological, and economic accomplishments of the Maya, Aztec, and Inca civilizations. *Credit: 3 semester hours.*

2450 History of the Modern Caribbean

A survey of Caribbean history spanning from the pre-Columbian era to the turn of the twenty-first history. *Credit: 3 semester hours.*

3303 History of Brazil 1500 to Present

This course examines Brazil's history from its first contact with Europeans through the eras of the slave, abolition and independence. *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 19th-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 20th-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**2334 A History of the Atlantic World, 1492–1888**

This course examines political, social, economic and cultural changes resulting from the circulation and confrontation of Europeans, Africans and Americans around the Atlantic rim. *Credit: 3 semester hours.*

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.*

3380 History of Iran

A history of Iran focusing on dynastic formation, political consolidation, cultural production, and religious movements. *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.*

3460 Gender in Islamic History

The course examines gender in Islamic history by focusing on male and female social expectations, marriage and divorce, and participation in public space. *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 20th Century

The First World War and its consequences; the Weimar Republic, the Third Reich; defeat and recovery. *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 3540 in conjunction with or after completion of HIS 3541 or 3542. *Credit: 3 semester hours.*

3560 Women in Medieval Europe

Thematic survey of women's experiences in medieval Europe, both noble and peasant, religious and secular, with a particular emphasis on women writers. *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.*

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 African-American History to 1900

This course provides a survey of the factors which shaped the work, culture and political struggles of African-Americans before World War I. *Credit: 3 semester hours.*

3712 African-American History since 1900

This course studies the social history of African-Americans from 1900 to the present which include political, social, economic and cultural topics. *Credit: 3 semester hours.*

3715 History of Race and Ethnicity in the United States

The history of race and ethnicity in the United States through the history of American institutions and the interactions among its peoples. *Credit: 3 semester hours.*

3718 American Slavery: History, Fiction, and Film

Slavery in the Americas as experienced by slaves and masters and as depicted in fiction and film. *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 Women and Gender in Early America: from Settlement to the Civil War

A survey course which analyzes the socioeconomic, cultural and political factors that influenced the evolution of American women's history from the period of colonial settlement to the Civil War. *Credit: 3 semester hours.*

3732 Women and Gender in Modern America: Civil War to the Present

A survey course which analyzes the socioeconomic, cultural and political factors that influenced the evolution of American women's history from the Civil War to the present. *Credit: 3 semester hours.*

3735 Women and Social Movements in U.S. History

Women's participation in American social movements, from boycotts of British goods in the 1770s, through the development of feminism two hundred years later. *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.*

3795 Technology and Science in 20th-century America

From the age of inventions to the rise of the Internet, the ways in which science and technology shape, and are shaped by, human action and decisions. *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.*

3990 Historical Research Methods in NYC

An introduction to historical research methodology in New York City. The course will be held at the Manhattan Campus and the New York Public Library: Stephen A. Schwarzman Building. *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

Restricted registration. 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

Restricted registration. 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.*

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) (B.A.)

33 semester hours, including SPA 3090, 3100; 3550, 3560; 3870, 3880, 4990; and 12 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) (B.A.)

33 semester hours, including FRE 3090, 3100; 3550, 3560; 3870, 3880, 4990; and 12 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) (B.A.)

33 semester hours, including ITA 3090, 3100; 3550, 3560; 3870, 3880, 4990; and 12 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 Italian grammar shall be required to take ITA 3150 as a preparation for ITA 3870, 3880. 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.

Special Note #1 regarding ALL beginning (level 1 and 2) and intermediate (level 3 and 4) language courses:

The department requires a standard co-requisite of ten (10) mandatory sessions at the Global Language and Culture Center per course per semester. GLCC fee required.

Special Note #2 regarding major electives.

Major electives are selected in conjunction with departmental advisors. Advanced language courses that are conducted in English are not applicable to the major sequence. Consult with your departmental advisor for elective choices within the major.

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, 1775, 2600; ART 1790, 1790, 1795; ENG 3500, 3600, 3610; GOV 1250; HIS 2001, HIS 2002, 2005; 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; ANT 1155, CLS 1320, , LAC 1000 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.

International Business Concentration for Language Majors

21 Semester hours including: ECO 1301, 1302, IB 3341 and four of the following ECO 3306, MKT 3317, 4318, MGT4338. No other prerequisites are necessary. Students must first consult with Language Program Coordinator.

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. Support services/workshops are also available. Intermediate, advanced and special non-credit writing workshops are offered. The use of the Global Language and Culture Center 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.

Global Language and Culture Center

The Global Language and Culture Center, located in St John Hall 104-106 and part of the Department of Languages and Literatures, is a resource center where students, enrolled or not in a language class, can come to practice one of the 15 languages currently offered at St John's University. Through immersion and interaction, with the help of trained language assistants, they can build on the language skills acquired in the classroom in a convivial and relaxed atmosphere. The Center offers large seating and study areas equipped with computers, large screen TVs and reference material. Individual language pods lend privacy to small study groups. Students can receive individual tutoring to improve their grades, or engage in group activities under the guidance of a language assistant: grammar, pronunciation and writing workshops, round table conversations in the selected language, or workshops to prepare for an internship abroad in France, Italy or Spain. Lectures and cultural events are held regularly at the Center. Language placement tests are also administered for students interested in majoring or minoring in a Romance language and advisement given on language courses within St. John's College. For all beginning (levels 1 and 2) and intermediate (levels 3 and 4) language courses 10 sessions at the GLCC are a department requirement per course per semester. A GLCC fee is required.

Arabic Course Offerings (ARA)

1010 Arabic Level I

This course develops basic communication skills in Arabic. 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 Arabic culture. GLCC required, fee \$50. *Credit: 3 semester hours.*

1020 Arabic Level II

Prerequisite: ARA 1010. This course continues to develop basic communication skills in Arabic. 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 Arabic culture. GLCC required, fee \$50. *Credit: 3 semester hours.*

2030 Arabic Level III

Prerequisite: ARA 1020. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2040 Arabic Level IV

Prerequisite: ARA 2030. This course reviews the basic skills learned in Arabic I, II, and III and continues building oral and written proficiency with more intensive reading and conversation within the context of Arabic culture. GLCC required, fee \$50. *Credit: 3 semester hours.*

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, 1775, 2600; ART 1790, 1790, 1795; ENG 3500, 3600, 3610; GOV 1250; HIS 2001, HIS 2002, 2005; LIN 2150; PHI 3500; SPE 3130; THE 3130; and appropriate LAT and GRA under departmental advisement.

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.*

1775 Greek Archaeology On-Site

An introduction to the archaeology of ancient Greece through visits to major sites, focusing on Athens and its environs with an emphasis on firsthand experience. No knowledge of Greek or Latin required. *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 Greek or Latin 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 onsite 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 onsite test scores. *Co-requisite:* 10 mandatory sessions at the GLCC per course per semester. GLCC fee required. 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

Prerequisite: Permission of the coordinator. 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

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. GLCC required, fee \$50. *Credit: 6 semester hours.*

1010 French, Level I

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. GLCC required, fee \$50. *Credit: 3 semester hours.*

1020 French, Level II

Prerequisite: FRE 1010. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2000 Intensive French II/III

Prerequisite: FRE 1020 or 1000. This course aims to develop intermediate to advance communication skills in French. Through a progressive use mainly of listening, and speaking, but also reading and writing, students will develop oral and written proficiency within the context of French and Francophone culture. *GLCC required, fee \$50. Credit: 6 semester hours.*

2030 French, Level III

Prerequisite: FRE 1020. 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. *GLCC required, fee \$50. Credit: 3 semester hours.*

2040 Intermediate French Conversation

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. *GLCC required, fee \$50. 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. Course is an elective for the women studies Minor. *Credit: 3 semester hours.*

3090; 3100 Masterpieces of French Literature I; II

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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 chairperson. Review of grammar for advanced composition courses. This course may not be taken after the successful completion of 3870 or 3880. *Credit: 3 semester hours.*

3150 (online) Review of French Grammar

Prerequisite: FRE 2040 or 2050 or permission of chairperson. This course is a review of the fundamentals of French grammar in preparation for more advanced French courses with a focus on reading and writing. For the intermediate student who has previous knowledge of French or as a remedial course for students who need to strengthen their grammar and writing after a lapse in their course of study. This course may not be taken after the successful completion of 3870 or 3880. *Credit: 3 semester hours.*

3260 History of French Cinema

Prerequisite: FRE 2040 or 2050 or permission of chairperson. This course features the study of the development of French cinema from its beginnings in 1895 through the present day. *Credit: 3 semester hours.*

3280 20th-Century French Literature Film Media Culture

Prerequisite: FRE 2040 or 2050 or permission of chairperson. This course examines a variety of authors, themes, genres and movements in 20th-Century French literature through the reading of texts and visualizing of films and the media. *Credit: 3 semester hours.*

3300 France's Role Within the European Community

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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.*

3570 Urban Culture in Contemporary France

Prerequisite: FRE 2040 or 2050 or permission of chairperson. An examination of literature, music, and the visual arts documenting the emergence of what is now called "urban culture" in France. *Credits: 3 semester hours.*

3600 Contemporary France

Prerequisite: FRE 2040 or 2050 or permission of chairperson. This course studies all aspects of contemporary French life. *Credit: 3 semester hours.*

3620: Paris in the French Culture

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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 19th-Century French Literature

Prerequisite: FRE 2040 or 2050 or permission of chairperson. An introduction to the principal poets, prose writers and dramatists of the 19th century. *Credit: 3 semester hours.*

3690 20th-Century French Literature

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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 2050 or permission of chairperson. 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

Prerequisite: FRE 2040 or 2050 or permission of chairperson. An introduction to the major contemporary writers of the French-speaking Antilles and Black Africa. *Credit: 3 semester hours.*

3830 French and Francophone Women Writers

Prerequisite: FRE 2040 or 2050 or permission of chairperson. A study of the French and francophone women writers from the 12th century to the present. Conducted in French. Course is an elective for the women studies minor. *Credit: 3 semester hours.*

3870; 3880 Advanced French Grammar and Composition I; II

Prerequisite: FRE 2040 or 2050 or permission of chairperson. 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 Advanced Translation

Prerequisite: FRE 3870 or 3880 or permission of the chair. 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.*

4980 International Internship

Prerequisite: 3110-3120 or permission of chairperson. This course provides total immersion experience in a field of interest chosen by the student in a country where the target language is spoken (French Italian or Spanish). *Credits:* 6 semester hours or 3 semester hours.

4953 Independent Study

Prerequisite: FRE 2040 or 2050 or permission of chairperson. Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. *Credit:* 3 semester hours.

4980, 4990 Capstone

Prerequisite: 2040 or 2050 or permission of the chairperson. Integrative seminar resulting in a capstone project that reflects student knowledge and language proficiency. *Credit:* 3 semester hours.

German Course Offerings (GER)

1010 German, Level I

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. GLCC required, fee \$50. *Credit:* 3 semester hours.

1020 German, Level II

Prerequisite: GER 1010. 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. GLCC required, fee \$50. *Credit:* 3 semester hours.

2030 German, Level III

Prerequisite: GER 1020. 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. GLCC required, fee \$50. *Credit:* 3 semester hours.

2040 Intermediate German Conversation

Prerequisite: GER 2030. 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. GLCC required, Fee \$50. *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. 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

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. GLCC required, fee \$50. *Credit:* 3 semester hours.

1020 Modern Greek Level II

Prerequisite: GRM 1010. 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. GLCC required, fee \$50. *Credit:* 3 semester hours.

2030 Modern Greek Level III

Prerequisite: GRM 1020. 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. GLCC required, fee \$50. *Credit:* 3 semester hours.

2040 Intermediate Modern Greek, Conversation

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. GLCC required, Fee \$50. *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

This course aims to develop basic communication skills in Hebrew. 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 Hebrew culture. GLCC required, Fee \$50. *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. GLCC required, fee \$50. *Credit:* 3 semester hours.

Hindi (HIN)

1010 Hindi Level I

This course aims to develop the basic communication skills in Hindi. Through a progressive use of the four skills, listening, speaking reading and writing, students develop oral and written proficiency a beginning level within the context of Hindi culture. GLCC required, fee \$50. *Credit:* 3 semester hours.

1020 Hindi Level II

Prerequisite: Hindi 1010. This course continues to develop basic communication skills in Hindi. Through a progressive use of listening, speaking, reading and writing students continue to develop oral and written proficiency within the context of Hindi culture. GLCC required, fee \$50. *Credit:* 3 semester hours.

Italian Course Offerings (ITA)

1000 Intensive Italian I; II

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. GLCC required, fee \$50. *Credit:* 3 semester hours.

1010 Italian, Level I

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. GLCC required, fee \$50. *Credit:* 3 semester hours.

1020 Italian, Level II

Prerequisite: ITA 1010. 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. *GLCC required, fee \$50. Credit: 3 semester hours.*

2000 Intensive Italian III and IV

Prerequisite: Italian 1020 or ITA 1000. The course aims to develop intermediate low to intermediate high communication skills in Italian. Through a progressive use mainly of listening, and speaking, but also reading and writing, students will develop oral and written proficiency within the context of Italian culture. *GLCC required, fee \$50. Credit: 6 semester hours.*

2030 Italian, Level III

Prerequisite: ITA 1020. 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. *GLCC required, fee \$50. Credit: 3 semester hours.*

2040 Intermediate Italian Conversation

Prerequisite: ITA 2030. 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. *GLCC required, fee \$50. Credit: 3 semester hours.*

3080 Italian Contemporary Readings

Prerequisite: Italian 2040 or or permission of Chair. Introduces students to contemporary literary texts in Italian. It is designed to improve students' written and oral proficiency in Italian, and to prepare them for subsequent 300 level work in Italian language, literature, and culture. *Conducted entirely in Italian. Credit: 3 semester hours.*

3090; 3100 Masterpieces of Italian Literature I; II

Prerequisite: 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.*

3110; 3120 Advanced Italian Conversation

Prerequisite: Italian 2040 or or permission of Chair. 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.*

3150 (online) Review of Italian Grammar 3150 (offered online and also as a face to face course)

Prerequisite: Italian 2040 or equivalent. This course is a review of the fundamentals of Italian grammar in preparation for more advanced Italian courses with a focus on reading and writing. For the intermediate student who has previous knowledge of Italian or as a remedial course for students who need to strengthen their grammar and writing after a lapse in their course of study. This course may not be taken after the successful completion of 3870 or 3880. *Credit: 3 semester hours.*

3260 Italian Cinema, from Neo-Realism to the Present

Prerequisite: Italian 2040 or or permission of Chair. 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.*

3270 Italian Literature and Cinema

Prerequisite: ITA 2040 or permission of the Chair. Study of the cinematic adaptation of 20th century literary texts, including Brancati, Buzzati, Levi, Moravia, and Camilleri. *Credit: 3 semester hours.*

3520 Italian Culture through the Internet (online)

Prerequisite: 2040 or permission of the chair. This course provides insight into contemporary Italian society and culture. Students read and analyze authentic materials taken from on-line sources such as newspapers, magazines, literary sources and short stories. *Credit: 3 semester hours.*

3530 Italian Renaissance Art and Literature

Investigation of classical humanism in Italian Literature and Art, with emphasis on the manifestation of Renaissance ideas in the Italian cities of Florence and Rome. The course is taught in English and is not part of the sequence for the Italian major or minor. Maybe used as a general elective. *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. The course is taught in English and is not part of the sequence for the Italian major or minor. May be used as a general elective or as an elective in the women's studies minor. *Credit: 3 semester hours.*

3550; 3560 Civilization of Italy I; II

Prerequisite: 2040 or permission of the Chair. 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. The course is taught in English and is not part of the sequence for the Italian major or minor. *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 Dante and His Times

Prerequisite: Italian 2040 or or permission of Chair. 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.*

ITA 3600 Co-requisite MUSIC 1075 Trends in Italian Opera

Survey of the Italian opera and analysis of the historical, cultural and literary trends in Italian opera. Offered in Italian and in English. *Credit: 3 semester hours.*

ITA 3610 Eros and Medieval Culture in Boccaccio's Decameron.

Prerequisite: Italian 2040 or permission of Chair. 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

Prerequisite: ITA 2040 or permission of the Chair. Covering the period that spans roughly 1350-1550, this course is an investigation of classical humanism in Italian Literature and Art. Emphasis in this course will be put to the manifestation of Renaissance ideas in the Italian cities of Florence and Rome. *Credit: 3 semester hours.*

3670 Twentieth Century Italian Literature

Prerequisite: Italian 2040 or permission of Chair. The development of the modern Italian novel seen against its historical and social background. Emphasis is placed on the novels of Svevo, Pirandello, Moravia, Pavese, Vittorini and Calvino. *Credit: 3 semester hours.*

3690 Italian Poetry of the 19th-Century

Prerequisite: Italian 2040 or permission of Chair. 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: Italian 2040 or permission of Chair. An introduction to the main prose writers of the 19th century. *Credit: 3 semester hours.*

3720 Italian Culture through its Music: From Opera to Neapolitan rap

Prerequisite: Italian 2040 or permission of Chair. Evolution of Italian culture through music: from the opera to regional folk songs, the canzone napoletana and the birth of musica leggera. *Credit: 3 semester hours.*

3740 Contemporary Italian Fiction

Prerequisite: Italian 2040 or permission of Chair. 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.*

3760 Contemporary Italy

Prerequisite: Italian 2040 or permission of Chair. This course studies all aspects of contemporary life in Italy. *Credit: 3 semester hours.*

3810 Advanced Italian for Business

Prerequisite: ITA 2040. The language and the practices of Italian business. *Credit: 3 semester hours.*

3820 La Divina Commedia

Prerequisite: ITA 3090 or 3100 or permission of the chair. Dante's masterpiece, with particular emphasis on its literary and philosophical significance. *Credit: 3 semester hours.*

3830 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 will focus on issues that have permeated women's writings in an everchanging political and social scene. *Course is taught in English and is an elective for the women studies minor. Credit: 3 semester hours.*

3870; 3880 Italian Advanced Grammar and Composition I/II

Prerequisite: Italian 2040 or or permission of Chair. 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 Advanced Translation

Prerequisite: Advanced working knowledge of Italian 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.*

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.*

4980 International Internship

Prerequisite: 3110-3120 or permission of chairperson. *Prerequisite:* 3110-3120 or permission of chairperson. This course provides total immersion experience in a field of interest chosen by the student in a country where the target language is spoken (French Italian or Spanish). *Credits: 6 semester hours or 3 semester hours.*

4990 Capstone Seminar

Prerequisite: 2040 or 2050 or permission of the chairperson. Integrative seminar resulting in a capstone project that reflects student knowledge and language proficiency. *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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2030; 2040 Intermediate Latin

Prerequisite: LAT 1020. First Semester: Various prose selections (Nepos, Cicero, etc.) Second Semester: Selections from Vergil. GLCC required, fee \$50. *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.*

1810 Introduction to Phonology

An introduction to the study of sound systems found in language and its application to areas such as language acquisition, speech pathology, dialectal variation and historical change. *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.*

1000C Linguist 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. *Credit: 3 semester hours.*

1000C Indian Language and Culture

An introduction to the linguistic and cultural diversity of India and the Indian Diaspora from the earliest linguistic and cultural evidence of the Indus valley civilization and Vedic Sanskrit to the Development of the modern Indian languages and the language of the gypsies, Indians in the new world, and East Asia.

Credit: 3 semester hours.

4980 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.

4980 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.

4980 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.

Portuguese (POR)

1010 Portuguese, Level I

This course aims to develop basic communication skills in Portuguese. 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 Portuguese culture. GLCC required, fee \$50. *Credit: 3 semester hours.*

1020 Portuguese, Level II

Prerequisite: POR 1010. This course continues to develop basic communication skills in Portuguese. 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 Portuguese culture. GLCC required, fee \$50. *Credit: 3 semester hours.*

Russian Course Offerings (RUS)

1010 Russian, Level I

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. GLCC required, fee \$50. *Credit: 3 semester hours.*

1020 Russian Level II

Prerequisite: RUS 1010. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2030 Russian, Level III

Prerequisite: RUS 1020. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2040C Intermediate Russian Conversation

Prerequisite: RUS 2030. This course reviews the basic skills learned in Russian I, II and III and continues building oral proficiency with more intensive conversation within the context of Russian culture. GLCC required, fee \$50. *Credit: 3 semester hours.*

Spanish Course Offerings (SPA)

1010 Spanish, Level I

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. GLCC required, fee \$50. *Credit: 3 semester hours.*

1020 Spanish, Level II

Prerequisite: 1010. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2030 Spanish, Level III

Prerequisite: 1020. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2040 Intermediate Spanish Conversation

Prerequisite: SPA 2030. 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. GLCC required, fee \$50. *Credit: 3 semester hours.*

2050 Readings in Modern Spanish

Prerequisite: 2030 or 2040. This course is structured to meet the needs and abilities of nonlanguage majors. Discussion in the foreign language. GLCC required, fee \$50. *Credit: 3 semester hours.*

3090; 3100 Masterpieces of Hispanic Literature I; II

Prerequisite for non-majors: 2040 or 2050 or permission of the Chair. SPA 3090 is a prerequisite for 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

Prerequisite: 2040 or 2050 or permission of the Chair. 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: 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: 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: 2040 or 2050 or permission of the Chair. A study of correct written and spoken Spanish for Bilingual Hispanics. *Credit: 3 semester hours.*

2360 Review of Spanish Grammar

Prerequisite: 2040 or 2050 or permission of the chair. A thorough review of Spanish grammar intended as preparation for more advanced composition courses. Course conducted in Spanish. *Credit: 3 semester hours.*

3450 Spain's Feminist Tradition through Literature

Prerequisite: 2040 or 2050 or permission of the Chair. How women writers and thinkers of the 19th and 20th centuries negotiated their position in the public spheres of creative and intellectual pursuits. This course may not be taken after the successful completion of 3870, 3880 or 3390. *Credit: 3 semester hours.*

3550 Civilization of Spain

Prerequisite: 2040 or 2050 or permission of the Chair. 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

Prerequisite: 2040 or 2050 or permission of the Chair. This multidisciplinary course features

the history, geography, art, science, music, literature, folklore, politics, manners and customs which have contributed to the molding of Spanish-American civilization and culture. *Credit: 3 semester hours.*

3570 Medieval Spanish Literature

Prerequisite: 2040 or 2050 or permission of the Chair. 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

Prerequisite: 2040 or 2050 or permission of the Chair. An in-depth study of Don Quijote. *Credit: 3 semester hours.*

3590 Works of Cervantes II

Prerequisite: 2040 or 2050 or permission of the Chair. An in-depth study of the life and works of this author, including some chapters of Don Quijote, stressing the literary, religious, and social ideas of Miguel de Cervantes. *Credit: 3 semester hours.*

3600 Contemporary Spain

Prerequisite: 2040 or 2050 or permission of the Chair. A study of all aspects of contemporary Spanish life. *Credit: 3 semester hours.*

3610; 3620 Spanish Golden Age Literature I; II

Prerequisite: 2040 or 2050 or permission of the Chair. 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

Prerequisite: 2040 or 2050 or permission of the Chair. This course studies Romanticism, Realism and Naturalism in Spain through readings and discussions of the most important writers of this period. *Credit: 3 semester hours.*

3690 Contemporary Spanish America

Prerequisite: 2040 or 2050 or permission of the Chair. A study of the place of Spanish America in modern art and science, letters, architecture and music, and of the political, social and economic problems confronting the Spanish American countries in our times, with a reflection on the past. *Credit: 3 semester hours.*

3700 The Spanish-American Novel

Prerequisite: 2040 or 2050 or permission of the Chair. 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

Prerequisite: 2040 or 2050 or permission of the Chair. A study of the origin and development of the essay in Spanish-American literature. *Credit: 3 semester hours.*

3730 Spanish American Short Story

Prerequisite: 2040 or 2050 or permission of the Chair. 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

Prerequisite: 2040 or 2050 or permission of the Chair. A study of prominent writers of the first third of the 20th century. *Credit: 3 semester hours.*

3780 Spanish Literature After the Civil War

Prerequisite: 2040 or 2050 or permission of the Chair. A study of Spanish novels and short stories, with emphasis on the stylistic changes brought about by the Civil War and its aftermath. *Credit: 3 semester hours.*

3810 Advanced Spanish for Business

Prerequisite: 2040 or 2050 or permission of the Chair. The course covers language, practices and everyday situations in Spanish business world including basic business communications, organization, economics, employment and social interactions. *Credit: 3 semester hours.*

3840 Contemporary Hispanic Theater

Prerequisite: 2040 or 2050 or permission of the Chair. An study of the most representative plays of the contemporary Spanish theatre. *Credit: 3 semester hours.*

3870 Advanced Spanish Grammar and Composition I

Prerequisite: 2040 or 2050 or permission of the Chair. 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

Prerequisite: 2040 or 2050 or permission of the Chair. 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 Advanced 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

Prerequisite: 2040 or 2050 or permission of the Chair. A study of the literary movements of the 19th century in their cultural and historical perspectives. *Credit: 3 semester hours.*

4775 Spanish Short Story

Prerequisite: 2040 or 2050 or permission of the Chair. A study of the development of the modern short story in peninsular Spanish literature. *Credit: 3 semester hours.*

4781 Modern Spanish Poetry

Prerequisite: 2040 or 2050 or permission of the Chair. A study of the trajectory of Spanish poetry from the romantics to the "Novisimos". *Credit: 3 semester hours.*

4953 Independent Study

Prerequisite: 2040 or 2050 or permission of the Chair. Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. *Credit: 3 semester hours.*

4980 International Internship

Prerequisite: 3110-3120 or permission of the Chair. This course provides total immersion experience in a field of interest chosen by the student in a country where the target language is spoken (French Italian or Spanish). *Credits 3 or 6 semester hours.*

4990 Capstone Seminar

Prerequisite: 2040 or 2050 or permission of the chairperson. Integrative seminar resulting in a capstone project that reflects student knowledge and language proficiency. *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.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 1400, 1410, 2420, 2450, 2470, 2480, 4990, and nine elective credits in computer science. All CSC majors must take MTH 1050, 1730, 1740, 2540 and PHY 1440.

Minor Sequences

Mathematics

25-26 semester hours: CSC 1390, MTH 1730, 1740, 2750, 2760, 2790 and one elective in upper level mathematics courses.

Computer Science

(offered on Staten Island only). 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 College Algebra 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. *Corequisite:* Math A/T Recitation *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 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 of Liberal Arts and Sciences 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 of Liberal Arts and Sciences 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 University Calculus I

Prerequisite: Satisfactory grades in Trigonometry and Advanced Algebra or MTH 1050. Analytic geometry; functions; limits; differentiation of algebraic and transcendental functions; antiderivatives; *For mathematics, pre-engineering, chemistry, and physics majors only. Credit: 4 semester hours.*

1740 University Calculus II

Prerequisite: MTH 1730. *Corequisite:* CSC1390. Definite Integral and applications. Techniques of integration. Analytic Geometry. *For Mathematics, pre-engineering, chemistry and physics majors. 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. *Open to mathematics and actuarial science majors. Credit: 4 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

Prerequisites: MTH 1740, 2700. Vectors and vector spaces; linear transformations and matrices; characteristic values and characteristic vectors of linear transformations; similarity of matrices. *Credit:* 3 semester hours.

2800 Introduction to Modern Algebra

Prerequisites: MTH 2750, 2700. 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 Advanced Calculus I

Prerequisites: MTH 2760, 2700. *Corequisite:* Advanced Calculus I Recitation. Topology of the real line. Limits, continuity, differentiation of functions of one variable. Integration theory. All from a theoretical point of view.
Credit: 3 semester hours.

3780 Advanced Calculus II

Prerequisite: MTH 3770; *Corequisite:* Advanced Calculus II Recitation. Limits, continuity, differentiability for functions of several variables. Implicit Function Theorem. Series of functions. All from a theoretical point of view. *Credit:* 3 semester hours.

3810 Mathematical Theory of Probability and Statistics I

Prerequisite: MTH 2760. Introduction to probability; sample spaces, random variables, Probability Distributions. *Credit:* 3 semester hours.

3820 Mathematical Theory of Probability and Statistics II

Prerequisite: MTH 3810. 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 Numerical Analysis I

Prerequisite: MTH 2760. Errors; methods of interpolation, numerical solution of algebraic, transcendental and differential equations.
Credit: 3 semester hours.

3870 Numerical Analysis II

Prerequisite: MTH 3860. 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 Variable

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. (SI)

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. (SI)

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. (SI)*

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 database 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)*

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, 3680, 3740, and CLS 2600.

Philosophy Course Offerings (PHI)

Core Philosophy Courses

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.*

**Major and Elective
Philosophy Courses****3320 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.*

3330 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.*

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.*

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 2200C. 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.*

3680 Philosophical Issues Concerning Religion in the State

Prerequisite: PHI 2200C. This course examines the basic problematic of religion in the a liberal state. To what extent can religious conviction ground political justifications? The course traces the issue in its historical development, and examines its contemporary controversies. The ideal of public reason—the principles and arguments that form the basis of authentic dialogue in a diverse community—will be critically explored. *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.*

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 issues-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, François 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. An intense reading, writing, and critical discussion course, based on a central theme in contemporary philosophy, in a seminar format. This course is for Philosophy Majors who have completed all other requirements of the major; offered Spring semester only. *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.

Physical Science/Pre-Engineering

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.

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.

Combined degree programs

BS Physics/MBA

BS Mathematical Physics/MBA

These combined programs are a five-year sequence offered jointly by St. John's College and Tobin College of Business at St John's University. The students accepted in these programs will complete 125 credits for the BS degree and 54 credits for the MBA. During the first three years candidates complete core requirements for a Bachelor of Science degree. For the Physics and MBA program, the required physics courses are: PHY 1930, 1940, 1970, 2460, 3210, 3221, and 3330. In addition, 3220 and 3310 can be taken as elective courses.

For the Mathematical Physics and MBA program, the required physics courses are PHY

1930, 1940, 1970, 2460, 3210, 3310 and 3330. In addition 3220 and 3221 can be taken as elective courses.

Determination on student's progression into the program will be made in the junior year, using GMAT and GPA criteria commensurate with the requirement for admission to M.B.A. programs.

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 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 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.

1310 Physics of Sound and Music

The physics of sound and music, including simple harmonic motion, waves and sound, standing waves and overtones, pressure and ideal gas law, room acoustics and musical temperament and pitch.

Credit: 3 semester hours.

1320 Physics of Light and Color

This course is designed for undergraduate non-science students. It will discuss the properties of light and color, the interaction of light with matter, human eye, the color vision and the formation of visual images. It also covers reflection, refraction, lenses, and applications to photography and lasers and holography.

Credit: 3 semester hours.

1340 Renewable Energy and Applications

This course is designed for undergraduate science and non-science students. It will provide an introduction to energy systems and renewable energy resources, with a scientific examination of different types of energy, alternate energy sources and their technology and application. The class will also discuss the society's present energy needs and future demands, examine conventional energy sources, and then focus on alternate, renewable energy sources such as solar, biomass (conversions), wind power, geothermal, and hydro.

Credit: 3 semester hours.

1410 Introduction to General Physics

The course is designed to help students with weak background in physics or those who have no prior physics courses. Topics include:

Introduction to algebra and calculus, and vectors, and selective topics such as mechanics, optics, heat, electricity and magnetism. *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)

Major Sequence

41 semester hours including Psy 1000C, 2990, 2030, 2030L, 2040, 2040P, 2150, 3260, 3800. In addition, majors must choose one course from each of the following groups below:

Group 1—Abnormal/Personality/Social Psychology
PSY 2200, 2210, 3320

Group 2—Developmental Psychology
PSY 2070C, 2080C,

Group 3—Experimental Psychology PSY 3270, 3280, 3290

Group 4 - Emerging Areas of Psychology
Psy 2220, 2240, 2250, 2260, 2270

Majors must also choose two electives courses from the department's course offerings (including those not selected from the four groups mentioned above). Students are required to take all courses in the major in the Psychology Department of St. John's College once they declare the major.

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 1000C as their first course. They are encouraged to take 2030 as soon as possible. PSY majors are urged to take BIO 1050 and 1060 as well as PHI 3800 and elective credits in related social sciences, ANT 1010C or 1020C or SOC 1000C, 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

PSY 1000C, 2 courses from PSY 2030, 2040, 2150, 2200, 2220, 3260, 3270, 3290, 3800; 2 courses from PSY 2070, 2080, 2090, 2100, 2210, 2220, 2230, 2240, 2250, 2260, 2250, 3280, 3320; and 1 additional course from among the courses offered by the department.

Psychology Course Offerings (PSY)

Introductory

1000C 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.*

2990 Sophomore Seminar

Prerequisites: PSY 1000C. Introduction to the psychology major, the subfields of psychology, the methods of discovery, library, and writing skills in the field and understanding career opportunities. This course should be taken in the sophomore year. *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 in the sophomore year. 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.*

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.*

2070C 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.*

2080C 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.*

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.*

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.*

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.*

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.*

Emerging Areas of Psychology

2220 Child and Adolescent Psychopathology

Prerequisite: None. Developmental, clinical-diagnostic, and experimental approaches to child and adolescent psychopathology will be addressed. The developmental course of each disorder and the role of biological, psychological, and sociocultural factors and how they interact with a child's environment will be addressed. Specifically, the course will examine disorders related to anxiety, stress & trauma, mood, schizophrenia, eating and substance abuse, memory & organic dysfunctions, ADHD, and personality in childhood and adolescence. *Credit: 3 semester hours.*

2240 Psychology of Women

Prerequisite: None. Reviews the relevant psychological theories and empirical research on women and gender throughout the lifespan. The major goals of the course are to understand the biological, cognitive, and psychosocial influences that affect the realities of women's lives in modern society. *Credit: 3 semester hours.*

2250 Forensic Psychology

Prerequisite: PSY 1000C. The relationship between psychology, psychopathology, and mental health issues that interact with our legal system. *Credit: 3 semester hours.*

2260 Positive Psychology

Prerequisite: None. Positive psychology studies how human beings prosper in the face of adversity. It attempts to identify and enhance the human strengths and virtues that make life worth living and allow individuals and communities to thrive. *Credit: 3 semester hours.*

2270 Health Psychology

Prerequisite: None. Health Psychology focuses on the behavioral, personality, social, cultural, and life style variables that influence the prevention and treatment of physical health, disease onset, stress/coping and intervention strategies, disparities in seeking and having access to health care, and compliance with medical treatments. *Credit: 3 semester hours.*

Specialized and Advanced Courses

2100 Altered States of Consciousness and Parapsychological Events

Prerequisite(s): None. 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.*

2180 International Psychology

Prerequisite(s): None. A basic understanding of the history, current status, and future directions of scientific and professional psychology applied to contemporary global issues. *Credit: 3 semester hours.*

2190 Psychology of Humor

Prerequisite(s): None. What makes you laugh? Reviews the psychological research behind mirth, humor, and laughter. *Credit: 3 semester hours.*

2280 Introduction to Sport Psychology

Prerequisite(s): Psychological factors that affect sports participation and the application to practical sports situations. *Credit: 3 semester hours.*

2380 Psychology of Anger, Aggression, Hatred, and Violence

Prerequisite(s): None. Psychological factors that affect anger, aggression, hate, and violence and the implications for assessment, prevention, and interventions in society and the individual 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.*

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.*

3410 Autism & Intellectual Disability

Prerequisite(s): Psy 2200 Abnormal Psychology or Psy 2220 Child and Adolescent Psychopathology, or CSD 1730 Language acquisition, or CSD 2760 Speech Language Pathology I Study of concepts, procedures, and

research related to autism, mental retardation, and other developmental disabilities from bio-medical, psychological and educational perspectives. *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.*

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. This course will be discontinued after the fall 2015. *Credit: 3 semester hours.*

Independent Study, Research, and Internships

Students can only take only one of the internship courses. Students can only take up to 6 credits of Psy 3040, Psy 3041, Psy 4951, Psy 4952, Psy 4953, and Psy 4954.

4903 Internship in Clinical, Counseling or School 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.*

4904 Internship in Industrial/ Organizational Psychology

Prerequisites: 12 credits completed in Psychology. Placement in an agency or corporation for eight to ten hours per week of work in psychology related businesses, plus meetings with the instructor. *Credit: 3 semester hours.*

4951 Independent-Guided Study in Psychology I

Qualified psychology majors undertake directed study on topics of their choice. Psy 1000C, Psy 2990, and at least 9 other credits in Psychology for 15 credits in Psychology. Prior to registration, the students must prepare a written contract with a psychology department faculty member of the student's choice. This contract shall specify the topic to be studied, the goals of the course, the reading list, and the activities to be done in the course and the final produce of the course expected by the faculty member. The department chair must provide written approval of the agreement before the students can register. Open only to Psychology majors with a 3.0 overall GPA. Students cannot take this course and PSY 3040, PSY 3041, PSY 4352, PSY 4953, or

PSY 4954 in the same semester. *Credit: 3 semester hours.*

4952 Independent-Guided Study in Psychology II

Qualified psychology majors undertake directed study on topics of their choice.

Prerequisites: Psy 1000C, Psy 2990, Psy 4951, and at least 9 other credits in Psychology for 15 credits in Psychology. Prior to registration, the students must prepare a written contract with a psychology department faculty member of the student's choice. This contract shall specify the topic to be studied, the goals of the course, the reading list, and the activities to be done in the course and the final produce of the course expected by the faculty member. The department chair must provide written approval of the agreement before the students can register. Open only to Psychology majors with a 3.0 overall GPA. *Credit: 3 semester hours.*

4953 Independent Research in Psychology I

Prerequisite(s): Psy 1000C, Psy 2030, Psy 2040, and at least 9 other credits in Psychology for 20 credits. Prior to registration, the students must prepare a written agreement with a psychology department faculty member of the student's choice. This agreement shall specify the research topic to be explored, procedures to be followed, and the final produce of the course expected by the faculty member. The department chair must provide written approval of the agreement before the students can register. Open only to Psychology majors with a 3.0 overall GPA. Students cannot take this course and Psy 3040, Psy 3041, Psy 4351, Psy 4952, or Psy 4954 in the same semester. Qualified psychology majors undertake directed research in a chosen field of psychology. *Credit: 3 semester hours.*

4954 Independent Research in Psychology II

Prerequisite(s): Psy 1000C, Psy 2030, Psy 2040, 4953, completion of X (21) credits in Psychology approval of and acceptance from a member of the department faculty for a research project. Qualified psychology majors undertake directed research in a chosen field of psychology. *Credit: 3 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.*

3041 Psychology Research Laboratory II

Prerequisites: Psy 1000C, Psy 2030, Psy 2040, 3040, completion of X (18) credits in Psychology approval of and acceptance from a member of the department faculty for a research project. Qualified students undertake directed research in a chosen field in psychology with a research team. Students learn to conceptualize problems, design, conduct, and write up a study. *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.

Rhetoric, Communication and Theatre (RCT)

Major Sequences

Public Address

39 semester hours including SPE 1000C or HON 1020C and RCT 4990 Seminar; plus three courses in Rhetorical Performance (RCT 1010, RCT 1050, RCT 2000, RCT 2050, RCT 2060, RCT 2110, RCT 3180); two courses in Rhetorical History (RCT 2040, RCT 3150, RCT 3170, RCT 3190); two courses in Rhetorical Criticism (RCT 2030, RCT 2090, RCT 3140); two courses in Rhetorical Theory (RCT 2020, RCT 3130, RCT 3160); two courses in communication, internship, and/or independent study (RCT 1015, RCT 1155, RCT 2015, RCT 2025, RCT 4903, RCT 4906, RCT 4953).

Minor Sequences

Public Address

21 semester hours including: SPE 1000C or HON 1020C; RCT 3130; plus two courses in Rhetorical Performance (RCT 1010, RCT 1050, RCT 2000, RCT 2050, RCT 2060, RCT 2110, RCT 3180); two courses in Rhetorical Criticism or Rhetorical History (RCT 2030, RCT 2090, RCT 3140, RCT 2040, RCT 3150, RCT 3170, RCT 3190); and one course in communication and/or internship (RCT 1015, RCT 1155, RCT 2015, RCT 2025, RCT 4903).

Business Communication

15 semester hours including: SPE 1000C or HON 1020C and RCT 2020, RCT 2025, RCT 2050 or HON 2090 and one approved elective.

Religious Communication

18 semester hours including: SPE 1000C or HON 1020C, RCT 3190; nine credits from RCT 1015, 1050, 2020, 2060, 2110, 3130, and three elective RCT credits.

Theatre

18 semester hours including: SPE 1000C or HON 1020C, and RCT 2110, 1540, 2540; and six credits from RCT 1050, 1520, 1560, 1575, 1580, 1585, 1590.

Musical Theatre

18 semester hours including: nine semester hours in RCT 1510 or 1530, RCT 1540, MUS 1260; three semester hours in Voice (MUS 1620*, MUS 1630); six semester hours chosen from among RCT 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 RCT 1015, 2020 and six credits from RCT 1050, 1155, 1510, 1540, 2000, 2015, 2025, 2110, 4953.

Rhetoric, Communication and Theatre Course Offerings (RCT)

1000C Public Speaking for the College Student

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 Debate Practicum

This course provides hands-on, mind-on, and voice-on practice in the art of debating.
Credit: 3 semester hours.

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.*

1010 College Debate in a Global Context

Prerequisite: SPE 1000C or HON 1020C.
Examines the role of formal debate as a worldwide competitive activity focusing on debate practice and the rules, procedures, and styles of several debate formats.
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.

2030 Rhetoric of Popular Culture

In this course we will study the intersections between popular culture and rhetoric.
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.*

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.*

2090 Great Speeches of New York

History and criticism of significant rhetorical artifacts generated in New York City. Discussion of the significance of the City as a site of public discourse.
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.

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.

3150 Rhetoric of Social Movements

Survey of rhetorical documents associated with American movements, groups, and persons dedicated to social change.
Credit: 3 semester hours.

3160 Modern Rhetorical Theory

Examination of the development of rhetorical theory in modern history, including modern and postmodern thinkers and communicative issues in modern and postmodern society. cf ENG 3900 *Credit: 3 semester hours.*

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. c.f. THE 3615
Credit: 3 semester hours.

4903 Internship in Speech Communication

Restricted registration. Fieldwork (eight hours per week) with practical application in communication or theatre under faculty and professional supervision. *Credit: 3 semester hours.*

4906 Internship in Speech Communication

Restricted registration. Fieldwork (16 hours per week). See RCT 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.

4990 Senior Seminar

Survey of contemporary communication research methods from a variety of theoretical perspectives. Recommended for juniors and seniors. *Credit: 3 semester hours.*

Theatre Course Offerings (RCT)

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.*

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.*

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 B.A./M.A. 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 2610, 4270 and 12 semester hours in ANT.

Special Note for Double Majors

A student may major in both SOC and ANT. SOC 2610, 4270 may be used to satisfy both major sequences. A double major must complete a total of 60 semester hours in Soc and Ant. A minimum of 12 elective credits in each discipline is required.

Special Note for Sociology Majors

Students majoring in Sociology on the Staten Island campus may have to take upper level required courses in the major on the Queens campus.

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 technoscience are central to this course. *Credit: 3 semester hours.*

1055 Sociology of War

Analysis of the economic, political and social causes and consequences of war and its effects on combatants. *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.*

1130 White Collar Crime

Basic analytical concepts in the study of white-collar crime, the major forms of white-collar crime and legal responses to this form of crime. *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 Education and Inequality

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.*

1200 Correctional Supervision and the Community

Critical trends and issues in the development, philosophy, and praxis of community-based correctional programs as alternatives to incarceration and as a function of community reentry. *Credit: 3 semester hours.*

1230 Italian American Identity in the Cinema

Examination of Italian American identity in American cinema. *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.*

1590 Special Topics in Poverty Studies (Mini-Course)

This course will explore the social causes of poverty and the everyday lives of poor people in specific national and global communities. Students, through direct involvement in the communities will be able to connect theory and practice. *Credit: 3 semester hours.*

2000 Global Crime

This course introduces students to a theoretical understanding of transnational organized crime (global crime), describes the major forms it takes, and addresses relevant policy issues. *Credit: 3 semester hours.*

2010 The Inside/Out Prison Exchange: Exploring Issues of Crime and Justice Behind the Walls

Experientially bases seminar at Rikers Island jail. Examines function and social consequences of justice policies, particularly mass incarceration; examines intersection of race, ethnicity, class and gender. *Credit: 3 semester hours.*

2030 Economic Sociology

Sociological analysis of how markets, networks and hierarchies coordinate economic behavior; the economy's relationship to the state, inequality, technology, culture and globalization. *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.*

2220 Domestic Violence

An examination of the social causes of domestic violence, the impact on victims and approaches to their recovery and institutional responses to the problem. *Credit: 3 semester hours.*

2320 Sociology of U.S. News Media

This course examines the social processes involved in the production of news; including attention to the political economy of media, textual analysis, and audience studies *Credit: 3 semester hours.*

2330 Human Trafficking

This course studies the historical, economic, political, institutional, legal and social characteristics of human trafficking. *Credit: 3 semester hours.*

2340 Social Construction of Race in the United States

This course examines the historical and contemporary social processes that have been significant in the development of racial formations in the United States. *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 Sociology of Sport

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.*

2420 Immigration and Inequality in the U.S.

Sociological analysis of immigration focusing on the relationship between birthright, naturalization, immigration laws, citizenship and patterns of racial, ethnic, class and gender inequality. *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.*

2470 Gender in a Global Context

The sociology of gender from a global perspective; focusing on gender issues throughout the world; bringing regional and cultural differences into the analysis. *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.*

1040C Culture and Global Change

An examination of the diverse social and cultural movements that have and are currently transforming the world. *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.*

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.*

2010 Introduction to Linguistics

An introduction to the fundamental principles of phonetics, phonology, morphology, syntax and semantics, with examples drawn from classical and modern languages. cf Lin 1010 *Credit: 3 semester hours*

2020 Survey of Linguistics

An introduction to the various fields of interest that comprise the modern study of linguistics. cf Lin 1020 *Credit: 3 semester hours.*

2100 Medical Anthropology

Cross-cultural explorations of human health and disease. Review of methods and theories used in the practice of medical anthropology. Emphasis on global health disparities and social justice. *Credit: 3 semester hours*

2300 The Anthropology of Music

Comparison of anthropological approaches to the study of music. Emphasis on theories of musical style in relation to local and global social and cultural processes. *Credit: 3 semester hours.*

2400 Anthropology of Development

Survey of anthropological approaches to development. Focus on competing cultural ideas about living standards and economic progress in relation to globalized development strategies. *Credit: 3 semester hours.*

2440 Caribbean Cultures and Identities

Anthropological introduction to the history and culture of the Caribbean. Emphasis on colonial history and legacy and the cultural diversity of the region. *Credit: 3 semester hours.*

2450 African Cultures

Anthropological overview of the cultures and traditions of Africa. Emphasis on the colonial legacy and cultural diversity of the African continent. *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.*

Theology and Religious Studies (THE)

Major Sequence

36 semester hours including THE 1000C and 2100 (in sequence), 2205, [2210 or 2215], [2300 or 2320], 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. Minicourses 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.*

2000 The Catholic Imagination

Prerequisite: THE 1000C. Examines the role of Catholic imagination vis-à-vis culture with particular attention to ways it has been manifested in cultural productions such as art, literature, music, and film. *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 Triune 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 Christian Worship 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 Introduction to Catholic Moral Theology

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.*

2501 History of Christian Theology I: Origins Through the Middle Ages

Prerequisite: THE 1000C. Theology and history of the Catholic Church and its relation to other religious and cultural traditions up until 1500 AD. *Credit: 3 semester hours.*

2502 History of Christian Theology II: Reformations to the Present

Prerequisite: THE 1000C. Theology and history of the Catholic Church and its relation to other religious and cultural traditions from 1500 AD to the present. *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 Introduction to World Religions

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 Religions of India

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.*

3000 Global Catholicism

Prerequisite: THE 1000C. A broad historical and theological perspective on contemporary trends shaping global Catholicism and how the Catholic Church could shape the world in the Third Millennium. *Credit: 3 semester hours.*

3050 The Challenge of Identity, Spirituality, and Living in a Global World

Prerequisites: THE 1000C, and the 2000-series core course. Intended for Seniors. Theological investigation of challenges of identity, spirituality, and living in a global world. Integration of Vincentian values, religious tradition and practices in a global context. *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 Writings of John

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 Mystery of Humanity

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 of Christian Hope and Everlasting 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.*

3235 Ministry, Orders, Religious Life

Prerequisite: THE 1000C. Examination of ministry in the life of Jesus as well as manner in which this ministry is manifested in lay and ordained ministry, and the various forms of canonical religious life in the Roman Catholic Church. *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 the Arts

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.*

3265 Theology and Film

Prerequisite: THE 1000C. How film functions vis-à-vis theology and religion; film as a theological and religious text as well as film as it embodies religious stories. *Credit: 3 semester hours.*

3270 Theology in Literature

Prerequisite: THE 1000C. Theological interpretations of religious themes, metaphors and symbols in classic works of imaginative literature, undertaken with the aid of critical literary theory and historical contextualization. *Credit: 3 semester hours.*

3300 Moral Theology of Health Care

Prerequisite: THE 1000C. 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 addiction, and human experimentation. *Credit: 3 semester hours.*

3305 Moral Theology of the Marketplace

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 During and After Modernity

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 (600–1500 A.D.) 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 Modern Moral Issue in Judaism

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 Faith and Reason in Theology

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 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 Psychology and Religion

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.*

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, suffering and 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.*

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

Bernadette Li, *Director and Professor*, B.A., National Taiwan University; M.A., University of Washington; Ph.D., Columbia University

Nyo Chung, *Assistant Professor*, B.A., M.A., Sang Myung College, Korea; M.A., Long Island University

Mei-Yi Chou, *Adjunct Instructor*, B.A., Tamkang University; M.A., St. John's University

Mei-Chin Tu Hsiao, *Adjunct Instructor*, B.A., Chinese Cultural University; B.A., Queens College, CUNY; M.A., St. John's University

Chao-Chih Huang, *Adjunct Assistant Professor*, B.A., Chinese Culture University; M.A., St. John's University

Diana H. Kung, *Adjunct Instructor*, B.A., National Taiwan College of Art; M.A., Montclair State University

Jacob C. Lin, *Adjunct Instructor*, B.A., University of California at Berkeley; M.A., St. John's University; Ph.D. candidate, CUNY

John J. Metzler, *Assistant Professor*, B.A., M.A., St. John's University

Hung-Yi Shen, *Associate Director*, LL.B., Soochow University; M.L.I., University of Wisconsin; LL.M., University of Washington; D.A., St. John's University

Tokumitsu Shibata, *Adjunct Instructor*; B.A., M.A. Kokushikan University; M.A. St. Johns University

Wenshan Shih, *Adjunct Assistant Professor*, B.A., Nat'l Taiwan University; M.A., University of Minnesota; Ph.D., University of Toronto

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Biology

Christopher Bazinet, *Associate Professor*, B.A., University of Wisconsin-Madison; Ph.D., Massachusetts Institute of Technology

Frank R. Cantelmo, *Associate Professor*, B.S., Fairleigh Dickinson University; Ph.D., CUNY

Timothy H. Carter, *Professor*, B.A., Harvard University; Ph.D., Princeton University

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Monserrat Ocampo, *Adjunct Assistant Professor*, M.S., University of the Philippines; B.S., University of Santo Thomas, Philippines; M.A., St. John's University

Fr. Patrick Okafor, *Adjunct Instructor*, B.Phil., B.D., Seat of Wisdom Seminary, Nigeria; M.A., St. John's University

Rev. Chux Okochi, *Adjunct Instructor* M.A., Duquene University; Ph.D., Duquene University

Carole Pacula, *Adjunct Assistant Professor*, B.A., Adelphi University; M.A., Seminary of the Immaculate Conception

Rev. Robert Pagliari, *Adjunct Associate Professor*, B.A., St. Alphonsus College; M.Div., Mount St. Alphonsus; M.R.E., Mount St. Alphonsus; College; Ph.D., (Speech Communication) University of Denver

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

Andrea Pinnavaia, *Adjunct Instructor*, B.A. & M.A. St. John's University

Barbara Pinnola, *Adjunct Instructor*, B.S., St. John's University, M.A., Seminary of the Immaculate Conception.

Edward Prager, *Adjunct Instructor*, B.A., St. John's University; M.S. Fordham University

Christian Rada, *Adjunct Instructor*, B.A. & M.A., St. John's University

Habibeh Rahim, *Associate Professor*, B.A., University of Toronto; M.T.S., 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

Steve Rzonca, *Adjunct Instructor*, B.A. & M.A., St. John's University

Rev. Gerard Sauer, *Adjunct Instructor*, M.A., M. Div., Seminary of The Immaculate Conception; B.A., Philosophy/Theology, St. John's University

Debora Semar, *Adjunct Instructor*, M.A., St. John's University

Rabbi Hirsch Simckes, *Adjunct Assistant Professor*, B.A., Harvard, M.H.L., Rabbi, Jewish Theological Seminary, MA, Ph.D., Andover Newton Theological Seminary

Mariann Smith, *Adjunct Instructor*, B.A. & M.A. St. John's University

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, *Assistant Professor*, B.A., M.A., St. John's University; M.Stud, University of Oxford

Matthew Sutton, *Assistant Professor*, M.A., B.A., University of St. Thomas

Peter Taras, *Adjunct Instructor*, B.A., City College of New York; M.A., St. John's University

Tenny Thomas, *Adjunct Instructor*, M. Phil, University of Oxford; S.T.M., Union Theological Seminary; Th.M, St. Vladimir's Theological Seminary

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 Assistant Professor*, 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., Harvard Divinity School, Harvard University; Ph.D., Boston College

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

Walter R. Wifall, Jr., *Professor*, B.A., M.Div., M.S.T., Concordia Seminary; Ph.D., The Johns Hopkins University

The School of Education

Jerrold Ross, Ph.D. Hum., (*Hon*) Dean

Richard Sinatra, B.S., M.S., Ph.D.
Associate Dean, Academic Affairs

Mary Jane Krebbs, Ph.D.,
Associate Dean, Graduate Studies

Steven S. Kuntz, Ph.D.,
Associate Dean (Staten Island)

Kelly K. Ronayne, D.A.,
Associate Dean, Graduate Admissions

Charisse E. Willis, P.D.,
Associate Dean, Undergraduate Studies

Lydia Haluska, M.A.,
Assistant Dean, Undergraduate Studies

Susann Ragone, M.S.Ed.
Assistant Dean (Staten Island)

Rosette M. Allegretti, GEd.,
Assistant Dean (Staten Island)

Larry Burke, P.D.,
Director of Student Teaching and Field Experiences

Patrick J. Dunphy, M.B.A.,
Director of Planning and Financial Affairs

Edwin Tjoe, Ed.D.
Director of E-Learning

Certification Officers

Elaine Bruno	Graduate
Lydia Haluska	Undergraduate
Paul Pedota	Graduate
Susann Ragone, (SI)	Undergraduate

Our Campuses

Queens, Staten Island, Manhattan, Oakdale

The School of Education Undergraduate students take courses in Queens and Staten Island.

Curriculum is subject to change during your course of studies because of the EdTPA, New York State Certification, and institutional requirements.

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 (1–6); Childhood/Special Education (1–6); Adolescent Education (7–12); B.S.Ed./M.S.Ed. Childhood Education /Special Education (1–6); B.S.Ed./M.S.Ed. Childhood Education and Literacy (B–6); and the B.S.Ed./M.S.Ed. Adolescent Education and Literacy (5–12).

About The School of Education

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.

Degrees and Programs Available

(Queens and Staten Island)

- B.S.Ed. in Childhood Education for students wishing to prepare as teachers for grades 1–6.
- B.S.Ed. in Adolescence Education for qualified students wishing to teach in secondary school settings in: English, Mathematics, Social Studies, (Queens and Staten Island) Physics, Biology, Modern Foreign Language (Queens only – approved by an advisor) for grades 7–12
- B.S.Ed./M.S.Ed. Childhood/Special Education 1–6 prepares students for the challenges of inclusion.
- B.S.Ed./M.S.Ed. Childhood/Literacy B–6 enables prospective teachers to become effective classroom instructors and literacy specialists who can diagnose the needs of their students and diversify their instruction in general education and inclusion settings.
- B.S.Ed./M.S.Ed. Adolescent /Literacy 5–12 enables prospective teachers to become effective classroom instructors and literacy specialists who can diagnose the needs of their students and diversify their instruction in general education and inclusion settings.
- Middle School Extension—6 credit program for (Adolescent Majors extension grades 5–6) and (Childhood Majors extension grades 7–9).

Goals and Objectives

Graduates from baccalaureate programs in The School of Education at St. John's University are competent, caring and qualified 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 educational institutions or service organizations.

The School of Education has three major goals consistent with the mission and distinctive purposes of the University: (1) to prepare graduates who are competent in the subject matter they plan to teach; (2) to provide the pedagogical knowledge, understanding and skills necessary for competent, caring and qualified professionals; and (3) to have acquired a caring teaching skill as well as a basic professional knowledge of rights and responsibilities of teachers and the implications for productive relationships with other professional staff, students, parents and community members.

The School of Education's objectives are:

1. To provide a vibrant learning environment for the intellectual, professional and moral development of students.
2. To provide programs for student and societal needs; and enable students to function effectively as professionals in a dynamic multicultural, multi-ethnic society.
3. To encourage students to develop a personal philosophy of education consistent with the University's mission.
4. To foster basic and applied research in education and human services involving students and faculty.
5. To serve as a resource center to the educational community by: providing leadership and supportive services for local, state and national associations; sponsoring professional meetings and seminars; and offering consultative services for schools and community agencies.

Student Responsibilities

In addition to the general policies of the University set forth in this bulletin, students are responsible for becoming knowledgeable about New York State Certification requirements and regulations, for adhering to the academic calendar and for meeting all of the requirements of their respective academic programs. We ask that all students conform to the policies stated in the Student Handbook which may be found online.

Transfer Students

- External – It is required that external transfer students make an appointment with the Transfer Student Services Office.
- Internal – It is required that internal transfer students make an appointment to meet with an Academic Dean in The School of Education Office, Undergraduate Studies.

Advanced Placement

The School of Education awards advanced placement (AP) credits 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.

Upperclassmen who wish to take CLEP or other credit-by-test exams are required to receive prior approval from the Office of the Dean if such credit is to be applied to the School of Education degree.

Honors Program

Our Honors Program offers outstanding students the opportunity to maximize intellectual growth and experience personal enrichment. Students meet regularly with the program's directors and faculty, creating a stimulating environment of thought, research and scholarly discourse.

The University Honors Program features small classes, careful faculty mentoring, and an impressive number of academic and cultural opportunities. These range from performances at the Metropolitan Opera, New York City Ballet and the New York Philharmonic to museum visits and Manhattan walking tours.

In the St. John's Honors Program, you will be a part of:

- Upper-level seminar-style classes
- Thought-provoking, in-depth discussions
- Special lectures and research projects
- Close collaborations with top professors for research
- Friendships with students who share the same interests and passion for learning

Queens

Honors Program
St. John's University
St. Augustine Hall
8000 Utopia Parkway
Queens, NY 11439
(718) 990-7554 - honors@stjohns.edu

Robert Forman, Ph.D.
Director of the Honors Program,
Professor of English and Classics
(718) 990-7552 - honors@stjohns.edu

Staten Island

Honors Program Office
Rachel Hollander, Ph.D.
Director of the Honors Program
Staten Island Campus
DaSilva Academic Center, Room 315
(718) 390-4071 - hollanr1@stjohns.edu

Teacher Certification

Completion of an undergraduate program in The School of Education, or a minor in Adolescence Education through St. John's College of 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 Workshop
 - Child Abuse Workshop
 - Autism Workshop (if relevant)
 - Fingerprinting (Fee required)
 - DASA
- www.nystce.nesinc.com

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 Department 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.

- Elaine Bruno Brunoe@stjohns.edu **Graduate**
- Lydia Haluska Haluskal@stjohns.edu **Undergraduate**
- Susann Ragone, Staten Island *Graduate and Undergraduate* Ragones@stjohns.edu

For more information on The School of Education, visit our website: stjohns.edu/academics/undergraduate/education

Programs of Study

B.S.Ed. Childhood Education (1 – 6) 135 – 136 credits

This program requires the completion of course work in liberal arts (57 credits), professional education (54–55 credits) and an academic content area (24–30 credits). All students are required to complete a program of studies, which includes:

Liberal Arts
University Core Curriculum 57 credits

Professional Courses (51 / 52 credits)	
EDU 101 (<i>Freshmen Course only</i>)	1 credit
EDU 1000 or 1000H (needs approval)	3 credits
EDU 1001	3 credits
EDU 1003	3 credits
EDU 1041	6 credits
EDU 1042	3 credits
EDU 1055	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 1027	3 credits
EDU 1021	12 credits

Academic Content Area and Electives (24–30 credits)

Student selects one content area:

- English
- Mathematics
- Psychology
- Social Studies
- Sociology (Queens and Staten Island)
- Modern Foreign Language (approval required by the Academic Dean)
- Science (Queens Only)

Specific courses for the academic content area are selected in consultation with the student's dean.

B.S.Ed.– Adolescence Education (7–12) 132–133 credits

This program requires the completion of coursework in liberal arts (57 credits), professional education (45–46 credits) and an academic content area:

- English
- Mathematics
- Social Studies (Queens and Staten Island)
- Biology
- Modern Foreign Language (approval required by the academic dean) 57 credits
- Physics

All students are required to complete a program of studies which includes:

University Core Curriculum		Professional Courses (36 / 37 credits)
EDU 101 (<i>Freshmen Course only</i>)	1 credit	
EDU 1000 or 1000H (needs approval)	3 credits	

EDU 1002	3 credits
EDU 1008	3 credits
EDU 1011	3 credits
EDU 1012	6 credits
EDU 1053	3 credits
EDU 1015	3 credits
EDU 1028	3 credits
EDU 1055	3 credits
EDU 1022	9 credits
EDU 1091, EDU 1094, EDU 1092, EDU 1095, EDU 1093, or EDU 1096 (based on content)	3 credits
EDU 1097	3 credits
EDU 1022	12 credits

Academic Content Area (36–37 credits)

Student selects one content area:

- English
- Mathematics
- Social Studies
- Biology (Queens only)
- Modern Foreign Languages (Queens only)
- Physics (Queens only)

Specific courses for the content area are selected in consultation with the student's advisor.

Please Note: With the adolescent program being 36–37 credits, St. John's College students may have issues carrying the extended adolescent minor.

BS/ED/MSED Childhood Education (1–6)/ Special Education (1–6)

Professional Courses (81–82 Undergraduate credits)

EDU 101 (<i>Freshmen Course only</i>)	1 credit
EDU 1000 or 1000H (needs approval)	3 credits
EDU 1001	3 credits
EDU 1003	3 credits
EDU 1041	6 credits
EDU 1042	3 credits
EDU 1042	3 credits
EDU 1055	3 credits
EDU 1006	3 credits
EDU 1007	3 credits
EDU 1010	3 credits
EDU 1011	3 credits
EDU 1016	3 credits
EDU 1027	3 credits
EDU 1021	12 credits

***Nine (9) graduate credits are to be taken during senior year of the undergraduate program.**

EDU 7266	3 credits
EDU 9711	3 credits
EDU 9700	3 credits
EDU 9702	3 credits
EDU 9707	3 credits
EDU 9712	3 credits
EDU 9716	3 credits
EDU 9718	3 credits
EDU 9719	3 credits

EDU 9729	3 credits
EDU 3200	3 credits
Total = 54–55 combined credits	

Academic Concentrations: 24 credits
University Core Curriculum 57 credits

Graduate Courses: 33 credits of graduate coursework is required to complete the five year degree. (This is including the 9 graduate credits taken during your senior year.)

B.S.Ed./M.S.Ed. Childhood Education / Literacy (B–6) 162–163 credits

Professional Courses

(45–46 Undergraduate credits)

EDU 101 (<i>Freshmen Course only</i>)	1 credit
EDU 1000 or 1000H (needs approval)	3 credits
EDU 1001	3 credits
EDU 1003	3 credits
EDU 1041	3 credits
EDU 1042	3 credits
EDU 1055	3 credits
EDU 1006	3 credits
EDU 1007	3 credits
EDU 1010	3 credits
EDU 1011	3 credits
EDU 1016	3 credits
EDU 1021	12 credits
EDU 1027	3 credits

Twelve (12) graduate credits are to be taken during senior year of the undergraduate program.

BS/ED/MSED Adolescent (7–12)/ undergraduate program

EDU 7266	3 credits
EDU 9711	3 credits
EDU 3220	3 credits
EDU 3230	3 credits
EDU 3220	3 credits
EDU 3200	3 credits
EDU 3210	3 credits
EDU 3240	3 credits
EDU 3250	3 credits
EDU 3264	3 credits
EDU 3270	3 credits
EDU 8283	3 credits

Total = 54–55 combined credits

Academic Concentrations: 24–30 credits
University Core Curriculum 57 credits

University Core Curriculum 57 credits

Graduate Courses: 33 credits of graduate coursework is required to complete the five year degree. (This is including the 12 graduate credits taken during your senior year.)

BS/ED/MSED Adolescent (7–12)/ Literacy (5–12)

Professional Courses

(30–31 Undergraduate credits)

EDU 101 (<i>Freshmen Course only</i>)	1 credit
EDU 1000 or 1000H (needs approval)	3 credits
EDU 1002	3 credits
EDU 1011	3 credits

EDU 1012	6 credits
EDU 1053	3 credits
EDU 1028	3 credits
EDU 1055	3 credits
EDU 1091, 1094, 1092, 1095, 1093, or 1096 (based on content)	3 credits
EDU 1022	12 credits

Twelve (12) graduate credits are to be taken during senior year of the undergraduate program.

EDU 9711
EDU 3220
EDU 3230
EDU3200
EDU 3215
EDU 3240
EDU 3255
EDU 3265
EDU 3270
EDU 3283

Major = 30–31 combined credits

Academic Concentrations: 36–37 credits

University Core Curriculum 57 credits

Graduate Courses: 33 credits of graduate coursework is required to complete the five year degree. (This is including the 12 graduate credits taken during your senior year.)

Middle School Extension

Students currently enrolled at St. John's University as undergraduate seniors or graduate students should meet with their advisor to determine how to qualify for the Middle School Extension.

Required Courses in Both Certification Programs

- EDU 7106 Understanding Socio-Emotional, Cultural and Cognitive Aspects of Middle School Learners in General and Inclusive Settings (3 credits)
- EDU 7107 Methods and Strategies of Teaching Middle School Learners in General and Inclusive Settings

Eligibility for the Programs

Applicants to each program should possess an undergraduate grade point average of 3.0 or better.

State regulations require that students must possess New York State initial or professional teacher certification in either Adolescent or Childhood Education, or be in the process of attaining that credential. The Middle School Extension can only be granted to individuals who attain certification.

Academic Information

Advisement

Advisement involves a close relationship between student and advisor/dean. Each student is assigned an advisor/dean with whom he/she is expected to consult regarding the program once a semester. A student who has questions about the advisement process should consult the Dean's Office. The student is scheduled by the University Freshman Center (Queens Campus) for classes during the first and second semester of their first year. Freshmen students on the Staten Island Campus are advised by the Dean's office. For the remaining semesters, the student should plan a course of studies with the assigned advisor/dean. All students are advised to declare a content area by their first year.

Academic Service Learning

Academic Service-Learning students should consult with the professor and the Academic Service-Learning Office in the University Center. Academic Service-Learning is encouraged for all undergraduate majors.

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 3.0. 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 nine credits.

Application for the Pass-Fail Option should be completed online (UIS) by the last day designated for withdrawal from class without receiving academic penalty. See the Academic Calendar for specific withdrawal dates. www.stjohns.edu

Honors

Summa Cum Laude	3.85
Magna Cum Laude	3.70
Cum Laude	3.50

**** PLEASE READ ****

Academic Standing

A student is in good standing if enrolled as a matriculated student in a program of study leading to a degree and is making satisfactory progress toward the completion of the program of study:

All students are advised to maintain a 3.0 cumulative quality point index.

Web site for information on certification
www.nysed.gov/tcert
 NY STANDARDS
www.emsc.nysed.gov/nysatl/standards.htm.

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.
2. A physical examination completed within 12 months prior to beginning student teaching.
3. Proficiency in education courses, general courses and areas of specialization.
4. Completion of ALL education coursework prior to associate teaching, as determined by your advisor.
5. Completion of state-mandated workshops in violence prevention and child abuse prevention prior to the completion of a student's junior year. With the exception of Associate Teaching in Special Education, which is a half-day program five days a week, students in all other programs attend a field school four and a half days per week. In addition, students will attend seminars and special workshops. With this in mind, students should attempt to minimize additional course work but, if necessary, course work should be planned for evening/ weekend classes so as not to interfere with associate teaching requirements.

Applications for associate teaching are approved by the director of field experience. Applications for associate teaching in both the fall and spring semesters should be submitted to the Field Experience Office located on the fifth floor of Sullivan Hall and third floor in DaSilva for Staten Island campus. It is important and recommended that students use their St. John's e-mail, as this will be the source of all communication regarding associate teaching. In any event, students should feel free to call/visit the Field Experience offices at anytime for information regarding associate teaching..

Please note: A student should successfully complete all prerequisites for Associate Teaching in order to be placed as an Associate Teacher. The university cannot guarantee placement in a specific school that a student may choose.

Make-Up Exams

The School of Education recommends that any student needing a make up date contact our office for information.

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.

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 in Queens and DaSilva 109/110 in Staten Island.

Academic Fairness

To dispute grades please see your dean on the necessary process.

Graduate Level Courses

Seniors who are student teaching are eligible to take one graduate course with approval by the dean and a graduate advisor.

Honor Societies

Dean's Scholars

Dean's Scholars was founded in 1996 and is comprised of the School's top students. It is one of the most prestigious organizations in School of Education. The Dean's Scholars represent those students who combine scholarship, integrity and maturity. Members act as ambassadors, leaders and role models to the School of Education and the University. Freshmen, Sophomores, Juniors, and Seniors with a cumulative GPA of 3.75 or higher are invited to apply.

Kappa Delta Pi

The mission of Kappa Delta Pi is to sustain an honored community of diverse educators by promoting excellence and advancing scholarship, leadership, and service.

The vision of Kappa Delta Pi is to help committed educators be leaders in improving education for global citizenship individually and collectively, Society members recognize and honor achievement; strive for a high degree of professional fellowship, leadership, and growth in the field of education; and serve their students and educational community. For more information on the Staten Island and Queens chapters, please view the St. John's webpage.

Service Programs

Education Society (Q) / Education Club (SI)

The Education Society is a community service organization whose goal is to support pre-service teachers' and the community at large.

Program Planning Board (Q)

Program Planning Board is an organization that offers assistance and support to planning events for students in the School of Education.

Project S.O.U.L. (Q)

Project S.O.U.L. is an organization committed to serving students with special needs.

You Can Make it Better (Q)

The mission of You Can Make it Better is to make schools a safer environment by initializing positive and collaborative values among students by first internalizing the Golden Rule: treat others like you would want to be treated, and then by encouraging students to take action and maintaining higher standards in their community.

Special Programs

S.T.A.R. – Students Teaching Academic Responsibilities (Q)

St. John's University is an exciting place for freshmen to explore and grow, as well as a place for them to begin working towards their professional goals. By providing incoming freshman with peer mentors, we are making the transition into The School of Education seem more exciting and less intimidating. S.T.A.R. will familiarize students with various resources available to them and help them with any concerns they have during their first year as a college student. The School of Education will work to make this experience fun for the freshman and their mentors by offering social, academic and service activities on campus. We will strive to create a productive and effective learning environment to help all of our students interact effectively with The School of Education and the St. John's University community.

Work-Related Programs

America Reads*America Serves

America Reads*America Serves is a community service initiative program. In order to become a part of the America Reads*America Serves program, a student may be enrolled in any college within the University but are required to maintain 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.

Jumpstart (Q)

Jumpstart is 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, members implement a curriculum focused on Jumpstart's 17 School Success Outcomes.

Staten Island Academic Internships

This program sends students into not-for-profit agencies and cultural institutions whose work centers around issues and experiences confronting school-age children today. Placements are offered with exemplary organizations whose involvement in children's health, welfare, psychological development, creativity, academic development and academic disciplines well-known and respected on Staten Island and surrounding areas.

Course Offerings

101 Introduction to Education (1–12)

Students will learn how to interact with pupils, peers and teaching personnel. Major emphasis is paid on developing systematic skills in observation and analysis of teaching.
Credit: 1 semester hour.

1000 Foundations of Education (1–12)

Designed for the pre-service teacher, this course is a comprehensive overview of the social foundations of education in the United States including historical, philosophical, sociological/anthropological, legal, comparative and policy debates within education. This course will help students develop critical thinking skills in order to clarify the context of the profession, develop a philosophical orientation, and facilitate informed decision making about today's complex educational environments. The primary focus is to prepare reflective teachers who embrace and apply theoretical scholarship in social foundations to improve and enhance the learning environment for all students.
Credit: 3 semester hours.

1001 Learning and Development—Childhood (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.
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 Instructional Organization and Management of the Learning Environment in the Elementary Classroom or Organizational Strategies and Classroom Environment (1–6)

This course examines theories and methodology of effective classroom management principles and the psychosocial development of children, especially students from diverse cultures in urban settings, and students with special needs. This course provides opportunities for students to observe and analyze effective instructional and organizational strategies that prevent management problems, encourage intrinsic motivation to learn, enhance academic achievement, and foster the social competence of all children in the elementary classroom
Credit: 3 semester hours. Fieldwork required.

1006 Methods of Teaching Mathematics (1–6)

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.
Credit: 3 semester hours.

1007 Methods of Teaching Science (1–6)

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.
Credit: 3 semester hours.

1008 Special Education Foundations and Accommodating Student Needs (1–12)

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.

Credit: 3 semester hours.

1010 Planning, Teaching, and Assessing Social Studies (1–6)

This is a methods course of current practices and trends in the teaching of social studies in the elementary grades. It is designed to help students develop historical, theoretical, and practical understandings of the teaching of social studies in today's classrooms. Course experiences will help students develop interdisciplinary, inquiry-based explorations and authentic assessments that meet Common Core state standards. Students will experience models of best practice, apply their learning in elementary and after-school settings. Student will learn and use reflective praxis to plan, implement, and assess their own instruction, and monitor student learning.

Credit: 3 semester hours.

1011 Human Relations in Inclusive and Multicultural Settings (1–12)

This course works 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: 3 semester hours.*

1012 Language Acquisition and Literacy/Adolescence (7–12)

This course focuses on language acquisition and literacy development in students from grades 7–12. The sociological, linguistic, and developmental contexts of language and learning emphasized. Reading and language arts are approached as:

1. Cognitive-developmental processes;
2. Integrated and interrelated;
3. Occurring within social and cultural contexts and;
4. Vital for success in school and life. Students are exposed to curriculum development and instructional planning using various teacher communication modes, as well as a variety of cross-disciplinary teaching methods that promote skills in listening, speaking, reading, and writing. Appropriate field experiences are provided to integrate educational theory and practice.

Credit: 6 semester hours. Fieldwork Required

1015 Technology and Society: School, Community, Workplace (1–12)

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 (1–6)

This course examines the dynamic process of integrating the studio and performing arts into the curriculum for students with the full range of abilities and considers various developmental influences from childhood through adolescence. Basic arts media (visual arts, music, movement, and drama) and the learning in inherent in each medium are explored.

Credit: 3 semester hours.

1021 Student Teaching and Seminar/Childhood Education (grades 1–6)

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.

Weekly seminars are included.

Credit: 12 semester hours.

1022 Student Teaching and Seminar/Adolescence (7–12)

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. *Weekly seminars are included.*

Credit: 9 semester hours.

1023 Student Teaching and Seminar/Childhood Special Education (1–6)

This course entails two extended periods of observation and participation in special education situations under University supervision. One student teaching experience will be with special needs children at 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. *Weekly seminars are included. Credit: 6 semester hours.*

1027 Educational Theory into Practice – Childhood

A culminating course focused on instructional planning, forms of assessment, and reflective practices grounded in educational theory for elementary school classrooms. Analysis of teaching and learning are embedded in field-based tasks and materials permeating throughout this course; one taken in final preparation for the student teaching experience

3 credit hours Fieldwork required

1028 Educational Theory into Practice – Adolescent

A culminating course focused on instructional planning, forms of assessment, and reflective practices grounded into educational theory for middle and high school classrooms. Analysis of teaching and learning are embedded in field-based tasks and materials permeating

throughout this course; one taken in final preparation for the student teaching experience.

3 credit hours Fieldwork required

1041 First and Second Language Acquisition and Literacy Development

This course provides students with an operational perspective on language acquisition and literacy development of native English language learners and those for whom English is a second language. The sociological, linguistic, and developmental context of language arts learning is emphasized. Reading and language arts are approached: a) as cognitive developmental process; b) as integrated and interrelated; c) as occurring within a social context and; d) as vital for success in school and life. Students are exposed to curriculum development and instructional planning using various teacher communication modes as well as a variety of teaching methods that promote skills in listening, speaking, reading, and writing. In addition, appropriate field experiences are required to integrate educational theory and practice. *Credits: 3 Semester Hours*

1042 Literacy Development for Content Area Reading and Assessment (Prerequisite Education 1041)

This course provides students with an operational perspective on literacy development in the content areas of language arts, Social Studies, Mathematics, Science, and Health. Students are exposed to curriculum development and instructional planning using a variety of teaching methods and teacher communication modes that promote skill in content area reading and assessment techniques. In addition, appropriate field experiences are required to integrate educational theory and practice.

Credits: 3 semester hours

1055 Writing Across the Curriculum (1–12)

This course focuses on improving writing and critical thinking educational contexts. Students will experience writing as a recursive process, producing and reproducing various forms of texts, thereby understanding writing not only as a process, but also as a situated practice. Given that genres can shift across disciplines, this course helps students analyze nuanced conventions and think about writing as a cross-curricular pedagogical tool. Approaches to writing will include: reading and discussing trends in writing instruction across the curriculum; practicing techniques for writing with precision, clarity, and rhetorical effect; revising and editing; writing for different purposes; writing for different content areas; and writing for the educational profession. Course experiences will provide students with models for teaching writing in their own classroom. Appropriate field experiences are provided to integrate educational theory and practice.

Credit: 3 course hours. Fieldwork required

1093 Innovative Strategies in Secondary Settings: Mathematics

This course examines issues, perspectives, and strategies related to developing a critical pedagogy of reflective practice in secondary mathematics education, and is designed around four interrelated themes: 1) exploring models and theories related to methods of teaching and learning mathematics; 2) reviewing current literature related to teaching and learning mathematics at the adolescent level; 3) examining instruction and assessment through reflective evaluation; and 4) developing pedagogical practices responsive to the context of urban school settings and inclusive of the multifaceted identities of metropolitan adolescents and their families.

Credit: 3 semester hours. Fieldwork required

1096 Innovative Strategies in Secondary Settings: English

This course examines issues, perspectives, and strategies related to developing a critical pedagogy of reflective practice in secondary English, and is designed around four interrelated themes: 1) exploring models and theories related to methods of English teaching, learning, and assessing; 2) reviewing literature related to English instruction; 3) examining practice and purpose through reflective self-evaluation; and 4) developing pedagogy of practice that is responsive to the particular challenges of urban schools.

Credit: 3 semester hours. Fieldwork required

1097 Research to Practice: Applications for Secondary Teaching and Learning

This co-requisite course supports students' understanding of the research and practice of content-area teaching methods learned in their graduate-level course. Students will engage in the practical application of theories; they will implement, document, study, and analyze instructional activities created in Methods courses in relation to educational theories and best practices. Students will work across disciplines to facilitate teaching and learning opportunities, and build a strong teaching portfolio that includes reflections on lessons, practice, and assessments.

Credit: 3 semester hours

Jerrold Ross, *Professor and Dean*, B.S., New York University; M.S., Queens College, CUNY; Ph.D., New York University; D. Hum. (HON), Emerson College

Sandra S. Abrams, *Assistant Professor*, B.A. Washington University; M.A. American University; M.A., New York University; Ph.D. Rutgers, The State University of New Jersey

Jennifer Altieri, *Professor*, B.S., Bowling Green State University; M.Ed., University of Houston

Anthony J. Annuniziato, *Associate Professor*, B.A. Queens College; M.S.Ed., Queens College; Ed.D., Teachers College, Columbia University; Ed.M., Teachers College, Columbia University

John D. Beach, *Associate Professor*, B.A., State University of New York at Oswego; M.A., State University of New York at Binghamton; M.S., C.W. Post Center; Ph.D., State University of New York at Albany

Richard Bernato, *Associate Professor*, Ed.D., Dowling College; P.D., C.W. Post; M.Ed., Queens College; B.A., St. John's University

James S. Bethea, *Associate Professor*, B.S., Mount Olive College; M.S., Boston University; Ph.D., University of Iowa

Brett Elizabeth Blake, *Professor*, B.A., State University of New York at Stony Brook; M.A., Northwestern University; Ph.D., University of Illinois

Robert Brasco, *Director of Professional Development Center and Graduate Intern*, Associate Professor, B.S., New York College of Music; M.S., St. John's University; P.D., St. John's University; Ed.D., St. John's University

James R. Campbell, *Professor*, B.S., Fordham University; Ed.M., Rutgers University; M.S., Syracuse University; Ph.D., New York University

Julie Hope Carter, *Assistant Professor and Coordinator Graduate Adolescent Programs*, B.A., Bard College; M.Ed., Ph.D., State University of New York at Buffalo

Seokhee Cho, *Associate Professor*, B.A., Ewha Womans University; M.A., Ewha Womans University; Ph.D., University of Alberta

Gina Cicco, *Assistant Professor*, B.A., St. John's University; M.S.Ed., St. John's University; Ed.D., St. John's University

Della DeKay, *Assistant Professor*, B.A., M.A., Ed.D., Columbia University, J.D. Pace University

Rosalba C. DelVecchio, *Assistant Professor, Director of Non-Public School Leaders*, B.A., College of Mount St. Vincent; M.S., Iona College; P.D., Ed.D., Fordham University

Michael P. Downton, *Assistant Professor*, B.A., Indiana University-Purdue University Indianapolis

Robert Eschenauer, *Associate Professor*, B.A., St. Francis College; M.S., St. John's University; Ph.D., St. John's University

Andrew D. Ferdinand, *Associate Professor*, B.S., St. John's University; M.S., St. John's University; Ph.D., St. John's University

Mary Ellen Freeley, *Associate Professor, Instruction, Administration, Supervision and Leadership*, St. Joseph's College; B.A., M.S., Queens College; Ed.D., St. John's University

E. Francine Guastello, *Associate Professor*, B.S., M.S., P.D., Ed.D., St. John's University

Smita Guha, *Associate Professor*, B.A., M.A., University of Calcutta; M.Ed., Ph.D., State University of New York at Buffalo

Aliya E. Holmes, *Associate Professor*, B.S., M.S., Ph.D., State University of New York at Albany

Samuel E. Jackson, *Assistant Professor*, B.A., M.A., Ph.D.

Helen U. Kwah, *Assistant Professor*, B.A., Yale University; M.Ph., University of Hawaii; Ph.D., New York University

Athena R. Lentini, *Assistant Professor*, B.A., Dartmouth College; M.S.Ed., University of Pennsylvania; Ph.D. University of Connecticut

Ming-hui Li, *Associate Professor*, B.A., Soochow University, Taipei, Taiwan; M.A., University of Colorado; Ed.D., Texas Tech University

Mary Ann Maslak, *Professor*, B.M.T., B.M.E., Shenandoah University; M.Ed., Ph.D., Pennsylvania State University

John McKenna, *Assistant Professor*, B.A., University of Massachusetts; M.A. Boston University, Ph.D.

Judith McVarish, *Associate Professor*, B.S., Bridgewater College; M.Ed, Ph.D., Lesley University

Paul Miller, *Associate Professor*, B.S., Ohio State University; M.S., Idaho State University; Ph.D., University of Utah

Regina Mistretta, *Associate Professor*, B.S., St. John's University; M.S., Brooklyn College; Ed.D., Teachers College at Columbia University

Deidre Mithaug, *Associate Professor*, B.A., University of Washington; M.A., M.Phil., Ph.D., Teachers College at Columbia University

Nancy Montgomery, *Associate Professor*, B.S., Indiana University; M.S., Indiana University Northwest; Ph.D., New York University

Nancy P. Morabito, *Assistant Professor*, B.A., University of Virginia; M.Ed., Vanderbilt University

Audrey Murphy, *Assistant Professor*, B.A. Queens College; M.A. St. John's University; Ed.D., St. John's University

Allan Ornstein, *Professor*, B.A., City College of New York; M.A., Brooklyn College, CUNY; M.A., Ed.D., New York University

Rene S. Parmar, *Professor*, B.A., University of Jabalpur, India; M.S.Ed., Vanderbilt University; Ph.D., University of Texas, Dallas

Barbara Peltzman, *Associate Professor*, B.S., Mills College; M.S., St. John's University; Ed.D., Columbia University

Yvonne Pratt-Johnson, *Professor*, B.A., State University of New York at Stony Brook, M.S., Georgetown University; M.A., M.Ed., Teachers College at Columbia University

Heather Robertson, *Assistant Professor*, B.A., Syracuse University, M.S., Texas AandM University; Ph.D., Virginia Tech

Joanne Robertson-Eletto, *Assistant Professor*, B.S., St. John's University; M.S., Long Island University; C.W. Post; Ed.D., Hofstra University Early Literacy; Emergent Literacy, Language Acquisition and Literacy Learning Styles of young children.

Deborah Saldana, *Associate Professor*, B.P.S., Pace University; M.S., Ed.D., University of Texas

Mary Beth Schaefer, *Assistant Professor*, B.A., Queens College; M.A., Queens College, Ed.D., University of Pennsylvania

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

Victoria Shoaf, B.A., M.B.A., Ph.D, CPA, *Dean and Professor of Accounting and Taxation*

R. Mitch Casselman, HBComm, M.A., Ph.D, *Director, Center for Global Business Stewardship, and Assistant Professor of Management*

Michele Dell'Anno, B.A., *Assistant Dean*

Renee Hughes, B.S., M.B.A, *Assistant Dean and Internship Coordinator*

Douglas F. Leary, B.S., M.B.A., *Assistant Dean and Director of Undergraduate Programs, Queens Campus*

Patricia Maguire, B.A., M.S. Ed, *Assistant Dean, Staten Island Campus*

Kristine A. McGovern, B.B.A., M.B.A, *Assistant Dean for Planning and Compliance*

Donna M. Narducci, B.S., M.S., Ed.D, *Associate Dean and Director of TCB Programs, Staten Island Campus*

Cynthia R. Phillips, B.B.A., M.B.A., Ed.D, *Associate Dean for Planning, and Accreditation Coordination*

Sheila M. Russell, B.A. M.A., *Assistant Dean*

Linda M. Sama, B.A., M.B.A, Ph.D, *Associate Dean for Global Initiatives, Executive Director, Center for Global Business Stewardship, John F. Adams, and Professor of Management*

Laura Vega-Konefal, B.S., M.S.Ed., *Assistant Dean and Associate Director of Advisement, Manhattan Campus*

Anita Y. Webb, *Advisement Coordinator, Manhattan Campus*

Objectives

The Peter J. 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 Peter J. 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 first two years of study for these programs are done at the Queens or Staten Island campus, with the major field coursework being completed in the last two years at the Manhattan campus. Actuarial Science students are strongly encouraged to take and pass the first two examinations (1/P and 2/FM) prescribed by the Society of Actuaries and the Casualty Actuarial Society. They can continue to pass more examinations while working to become an Associate or Fellow in this professional field.

The Tobin College of Business offers many combined B.S./M.S. and B.S./M.B.A programs. The combined degrees in accounting, economics, finance, management, and marketing provide a unique opportunity to complete both B.S./M.S. or B.S./M.B.A. degrees typically within five years of full-time study. Interested students, who have maintained strong grades, should apply to the program in the second semester of the junior year (75 credits completed) of undergraduate study. The GMAT may be required.

Please note: Both the combined Bachelor and Master of Science or Master of Business Administration degrees in accounting or taxation are registered 150 credit hour licensure qualifying programs for Certified Public Accountancy, in the State of New York, and recognized in many other jurisdictions.

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 Peter J. Tobin College of Business is among only 25 percent of business schools with full accreditation by The Association to Advance Collegiate Schools of Business – AACSB and among less than five percent of the world's business schools to earn dual accreditation for its business and accounting programs.

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

Applicants to the College are encouraged to take the examinations of the Advanced Placement (AP) program. 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. Students who have not completed calculus prior to enrollment may be required to take a math placement test to determine their level of mathematic proficiency; additional prerequisite courses may be needed. Transfer students should take only those business courses that are offered as

freshman- and sophomore-level courses in the Tobin College of Business. These lower division courses are numbered 1301 through 2399.

A limited number of courses that are offered as upper-division work in the Tobin College of Business may be considered for transfer credit, and must then be validated before credits are recognized.

Degree Requirements

A minimum of 124 semester hours of credit for non-actuarial science majors; a minimum of 127 semester hours for accounting majors with a dual business major in Economics, Finance, Management, Marketing or Risk Management and Insurance; and a minimum of 130 semester hours for actuarial science majors are required to graduate from their respective programs. A minimum of 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. Accounting majors must maintain a 2.3 major field index through the first 21 credits of accounting in order to progress in the accounting program.

Please refer to the Core Curriculum section in the front of the bulletin and consult the Dean's Office of The Peter J. Tobin College of Business for most current degree requirements.

Basic Liberal Arts Core—

All Majors Except Actuarial Science

	Credits
DNY 1000C*	3
DS 2333	3
DS 2334	3
ECO 1301	3
ECO 1302	3
ECO Elective	3
ENG 1000C	3
ENG 1100C	3
ENG Elective	3
HIS 1000C**	3
Language or Culture	6
MTH 1320	3
PHI 1000C	3
PHI 2220	3
PHI 3000C***	3
SCI 1000C	3
SPE 1000C	3
THE1000C	3
One course from THE 2200-2800***	3
THE 3305	3

B.S. Accounting only

General Elective 3–6
Students may select a course from professional subjects or from the liberal arts and sciences, in consultation with an advisor.

Actuarial Science majors only: Instead of MTH 1320, must take:

MTH 1730	4
MTH 1740	4
MTH 2750	4

(DS 2333 and 2334 are NOT required for the ACT major)

Total 63–84

- * External transfer students transferring less than 24 credits may be required to complete DNY 1000C. If transfer social science credit was not already awarded to substitute this credit, students should see the TCB Dean's office to determine an alternate course to complete this credit requirement.
- ** External transfer students who have taken an applicable social science course may receive credit for HIS 1000C.
- *** External transfer students who have earned an associate degree (outside of STJ), prior to enrollment, may be waived from THE 2200-2800 and/or PHI 3000C, provided they have sufficient liberal art transfer credit to substitute these requirements.

Basic Business Core

Non-licensure B.S. Accounting:

BUS 1100	1
CIS 1332	3
LAW 1310	3
FIN 3310	3
MGT 2301	3
MGT 3325	3
MGT 4329	3
MKT 3301	3
RMI 2301	3

Note: Business Core may vary if pursuing a combined degree program

Actuarial Science majors:

ACC 2338	3
ACC 2339	3
BUS 1100	1
CIS 1332	3
FIN 3311	3
FIN 4388	3
LAW 1310	3
MGT 2301	3
MGT 3325	3
MGT 4329	3
MKT 3301	3
RMI 2301	3
RMI ELEC	3
TECH ELEC	3

Non-Accounting and Non-Actuarial Science majors:

ACC 2338	3
ACC 2339	3
BUS 1100	1
BUS/GEN ELEC	3
CIS 1332	3
ECO 2309/2337/BUS Elec	3
FIN 3310	3
LAW 1310	

MGT 2301	3
MGT 3325	3
MGT 4329	3
MKT 3301	3
RMI 2301	3
TECH ELEC	3

Note: Business Core may vary if pursuing a combined degree program.

Total 25–40

Fields of Specialization section

Please see the TCB Dean's Office for program and course requirements for the Dual ACC/Business majors in Economics, Finance, Management, Marketing, and Risk Management and Insurance.

Accounting:

(Queens, Staten Island)

ACC 2338, 3371, 3372, 3373, 3345, 3354, and TAX 3361, plus three (3) course from the following list: ACC 3346, 4343, 4344, 4351, 4352, 4353, 4356, 4357, ACC/TAX 4399, 4406, TAX 4362, 4363

TOTAL 30

Actuarial Science: (Manhattan)

ACT: 3322, 3333, 3334, 3335, 4336, 4347, 4348, 4349

Economics: (Queens)

ECO 3303, 3341, 3343 9

Professional Electives:

12 credits from the following: ECO 3306, 3307, 3313, 3323, 3335, 3344, 3346, 3348, 3360, 4340, 4345, 4350, 4399, 4400; not more than six credits from outside of economics; FIN 3311, 3312, 3315, 3316, 3318, 4317; MKT 3312

TOTAL 21

Note: Economics majors are urged to take ECO 4350 among their elective courses.

Finance: (Queens, Staten Island)

FIN 3311, 3312, 3316 9

Professional Electives:

12 credits from the following: FIN 3315, 3314, 3318, 4317, 4327, 4328, 4350, 4399, 4400, ECO 3313, 3323, 3341, 4340, 4345 not more than six (6) credits from Economics.

TOTAL 21

Note: Finance majors are urged to take FIN 4350 among their elective courses.

Management:

(Queens, Staten Island)

MGT 3331, 3323

Professional Electives:

15 credits from the following: MGT 3330, 3332, 3337, 3339, 3340, 3342, 3344, 3346, 3391. 4310, 4311, 4320, 4324, 4326, 4333, 4334, 4335, 4336, 4338, 4347, 4348, 4350, 4399, 4400, IB 3341, 4312 LAW 4315.

TOTAL 21**Marketing:**

(Queens, Staten Island)

MKT 3311, 3312

Professional Electives:

15 credits from the following: MKT 3305, 3306, 3307, 3308, 3309, 3310, 3315, 3317, 3320, 3321, 4305, 4306, 4316, 4318, 4350, 4399, 4400, IB 3341, LAW 4314.

TOTAL 21**Risk Management and Insurance*:**
(Manhattan)

RMI 3333, 3355, 3361, 4334, 4390 15

Professional Electives:

6 credits from the following: RMI 3335, 3350, 3360, 4364, 4399, 4400

TOTAL 21

**Courses may be offered in Queens and Staten Island.*

Diploma in Risk and Insurance*

The Diploma in Risk and Insurance is a two semester 24-credit certificate program, based at the Manhattan campus, and admits students in the Fall semester. Students take four courses in each of the Fall and Spring semesters. While an undergraduate degree is not a prerequisite for admission, most people who enroll in this certificate program possess a minimum of an Associate degree, significant college level study and/or industry experience. For additional consumer information, the applicant may refer to the website at www.stjohns.edu/academics/undergraduate/tobin/risk.

**Please note that this is a certificate program.*

Courses**Fall Semester**

RMI 230 Principles of Risk Management and Insurance
RMI 4334 Commercial Liability Risk Management and Insurance
RMI 4364 Reinsurance
RMI 4390 Insurance Industry Operations

Spring Semester

RMI 3333 Commercial Property Risk Management and Insurance
RMI 3355 Risk Control
RMI 3361 Insurance and Alternative Risk Transfer
RMI 3335* Life-Health, Pension and Social Insurance

Elective

(may be used instead of any asterisked course if available)*

RMI 3350, 3360, 4399 (spring)

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 circumstances.

Special Programs**Minors**

Many departments offer minors which are available to The Peter J. 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 the following for-profit and not-for-profit organizations: Broadridge Financial Solutions, Inc., Catholic Medical Mission Board, Center for Wealth Preservation/Mass Mutual, Cushman and Wakefield, Inc., Goodwill Industries of Greater New York, and Northern New Jersey, Inc., Henry Schein, Inc., KPMG, Leerink Swann, National Grid, New York Stock Exchange, Ridgewood Savings Bank, RR Donnelley, Standard and Poor's, United Cerebral Palsy—Suffolk and Weiser LLP.

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.

GLOBE

GLOBE, a student-managed academic program and microfinance fund at St. John's University, the Peter J. Tobin College of Business, provides loans to entrepreneurs in the developing world. Through GLOBE, students are educated about the world of microfinance while applying their business skills to help the poorest of the poor lift themselves and their families out of poverty. Students with a minimum of a 3.0 cumulative index may apply for this course for their second semester junior year or senior year, and may earn 3 credits toward their major or a business elective.

Global Destination Courses

For-credit Global Destination Courses offer students short-term international travel in conjunction with an on-campus business course. During a period of one-to-two weeks' travel to a global destination, students participate in business site visits, guest lectures and cultural excursions. Courses and travel locations change each semester. Contact the Office of Global Initiatives for more information (718) 990-6477 (Bent Hall 111).

SRM Apprenticeship Program

The School of Risk Management, Insurance and Actuarial Science (SRM) administers the SRM Apprenticeship Program, providing a structured experience that allows students to apply their classroom knowledge to paid professional work with major employers in the insurance and financial services industry.

The program affords students the opportunity to build their industry knowledge, develop workplace competencies, explore careers, increase their marketability and make a valuable contribution to an organization through consecutive semesters of meaningful work assignments. The program incorporates collaboration among SRM, the student and the employer. Each assumes distinct responsibilities for the purpose of enhancing the student's learning experience. Learning objectives are employed and periodic reviews are conducted, providing important assessment and feedback to the participating student.

The SRM Apprenticeship Program is a selective, competitive program open to undergraduate junior or senior year students majoring in Actuarial Science or Risk Management with a minimum cumulative index of 3.0. Participants are required to attend a pre-placement seminar prior to employer referrals. Students complete work periods of not less than two consecutive academic semesters which may begin during fall, spring or summer. Work schedules may include full-time (35 hours/week) employment during summer and part-time (15-20 hours/week) during spring and fall semesters. Upon successful conclusion of the Apprenticeship Program, participation is noted on the student's academic transcript.

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
- Actuarial Club
- APICS, The Educational Society for Resource Management
- Advertising Club
- Economics and Finance Society
- Gamma Iota Sigma (Risk Management and Insurance)
- Marketing Club
- National Association of Black Accountants

Academic Information

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 may be made online through UIS approximately two weeks prior to 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 CIS 1332/2331 or DS2333 have been completed.

Department of Accounting and Taxation (ACC)

Adrian P. Fitzsimons, Ph.D., C.P.A., C.F.A., C.I.S.A., Chair

ACC 2338 Fundamentals of Accounting I

Prerequisites: None. This introduction to financial accounting includes such topics as the basic accounting framework and concepts; cash flows, income reporting and financial position; the accounting process; and financial statement elements. *Credit: 3 semester hours.*

ACC 2339 Fundamentals of Accounting II

Prerequisite: ACC 2338. This introduction to managerial accounting focuses on managerial planning and control with respect to budgeting, product pricing and production profit-volume analysis, direct costing, short-term decision making, and capital budgeting. *Credit: 3 semester hours.*

ACC 2371 Intermediate Accounting I

Prerequisite: ACC 2338, or an equivalent course. This is an introduction to the use of accounting in the control and reporting of business transactions and events examines the basic accounting postulates, and explores the applicability of those principles to various assets. *Credit: 3 semester hours.*

ACC 3372 Intermediate Accounting II

Prerequisite: ACC 2371, or an equivalent course. Business enterprises' financial statements, account balances, and business

transactions and events are analyzed using U.S. and international financial reporting standards as a means of communicating necessary information to stockholders, creditors and others interested parties. This course examines accounting issues underlying financial reporting. Topics include accounting for: investments, current and long-term liabilities, stockholders' equity, earnings per share, and cash flows. *Credit: 3 semester hours.*

ACC 3373 Intermediate Accounting III

Prerequisite: ACC 3372. This course examines specialized accounting issues underlying financial reporting. Topics include accounting for: cash flows, income taxes, leases, pensions and other post-retirement benefits, revenue recognition, segment and interim reporting and notes to the financial statements. *Credit: 3 semester hours.*

ACC 3345 Cost Accounting

Prerequisite: ACC 2338. Techniques and methods associated with cost management, including product costing, planning, and control in both functional-based and activity-based costing systems, as well as, key elements of cost management approaches, such as activity-based customer and supplier costing, strategic cost management, activity-based budgeting, process value analysis, and quality costing are examined. *Credit: 3 semester hours.*

ACC 3346 Advanced Cost Accounting

Prerequisites: ACC 3345. Advanced topics in strategic, quality, and environmental cost management are discussed. Topics include responsibility accounting, performance evaluation, transfer pricing, lean accounting, productivity measurement, balanced scorecard, activity resource usage model and tactical decision making. *Credit: 3 semester hours.*

ACC 3354 Accounting Information Systems

Prerequisite: ACC 2339, 2371. This overview of various accounting information and communication systems discusses various controls used by an entity with complex systems to monitor and to assess system risks. *Credit: 3 semester hours.*

ACC 4343 Advanced Accounting I

Prerequisite: ACC 3373. Accounting theory and problems are applied to the formation, acquisition and liquidation of corporations. International and U.S. accounting principles that are applicable to consolidated financial statements of parents and subsidiaries are reviewed. *Credit: 2 semester hours.*

ACC 4344 Advanced Accounting II

Prerequisite: ACC 3373. Special accounting principles, procedures and problems are applied to such entities as partnerships, estates, trusts, governmental, not for profit, and foreign business entities and their subsidiaries. *Credit: 2 semester hours.*

ACC 4351 Seminar in Accounting Theory

Prerequisite: ACC 3373. The difficulties of preparing precise and universally-accepted accounting principles are explored, and a review of current professional literature and selected research are examined. *Credit: 3 semester hours.*

ACC 4352 Financial Statement Analysis

Prerequisite: ACC 2338. Non-accounting majors are presented with the fundamental skills necessary to obtain an adequate understanding of the financial position, results of operations and cash-generating ability of business entities. *Credit: 2 semester hours.*

ACC 4353 International Accounting

Prerequisite: ACC 2338, or an equivalent course. The financial reporting issues and standards faced by multinational corporations operating in countries with different economic, social, cultural, political and legal systems are examined. *Credit: 2 semester hours.*

ACC/TAX 4399 Accounting/Tax Internship

The internship provides students with the opportunity to develop accounting or tax skills in an actual work setting outside the classroom. This internship is a one term, part-time, credit -bearing position within a supervised work environment. This course is open to second semester junior accounting majors with 75 credits completed and a 2.75 cumulative index. Coursework appropriate to the internship and permission of the instructor is required. *Credit: 3 semester hours.*

ACC/TAX 4400 Accounting/Tax Internship

A second internship, or continuation of ACC/TAX 4399, which may be used as a General Elective, and the earned grade is included in the major field index.

TAX 3361 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 and the preparation of individual income tax returns is studied. *Credit: 3 semester hours.*

TAX 4362 Federal Income Taxation: Businesses

Prerequisite: TAX 3361. Federal income tax law as it applies to partnerships, corporations, business expenses and capital is studied. Tax accounting principles, corporate organization and special classes of corporations are also studied. *Credit: 3 semester hours.*

TAX 4363 Federal Income Taxation: Special Topics

Prerequisite: TAX 4362. Federal and multi-state income tax law, state sales and use taxes, deferred compensation, taxation of estates and trusts, tax accounting principles, corporate organization and reorganization and special classes of corporations is studied. *Credit: 3 semester hours.*

Department of Computer Information Systems and Decision Sciences (CIS/DS)

F. Victor Lu, Ph.D., Chair

CIS 1332 Computer Systems and Software for Business Applications

Prerequisite: None. The course gives a survey on the fundamentals and emerging trends of computer systems including hardware, software, networks and their business applications. The software suite Microsoft Office 2007 (or later) is utilized throughout the course to illustrate the integrated application of productivity tools to solve business problems. *Credit: 3 semester hours.*

CIS 2331 Introduction to Information Technology

Prerequisite: None. This course will discover and discuss the science behind the construction and development of information technology and communications systems as well as the creation of sophisticated applications. Where appropriate, the concepts will be illustrated with hands-on exercises that will ground the principles in practice. *Credit: 3 semester hours.*

CIS 3339 Business Applications Software

Prerequisite: CIS1332 or CIS 2331. The course is designed to enhance student's critical-thinking and problem-solving ability through the intensive applications of software tools to solve real-world projects. Selected software tools include, but not limited to, MS Excel, MS Access, MS Project, MS Visual basic and XML applications. The course is taught using a hands-on approach with project-based tutorials. *Credit: 3 semester hours.*

CIS 3345 Web Design and Development

Prerequisite: CIS1332 or CIS2331. This course is designed to help students learn the Web design principles and techniques. In this course, students will learn how to identify topics, develop content, organize presentations, and design interfaces. Upon completion of the course, students will be able to apply the design principles and use a variety of commercially available Web design software packages to create an industrial-grade websites or online learning courses. *Credit: 3 semester hours.*

CIS 3347 Business Data Communications and Network

Prerequisite: CIS1332 or CIS2331. This course covers the fundamental concepts, business application aspects and emerging trends of data communications and networking. Selected topics include communications hardware, software, and protocols; network basics; network design and topology; local area networks (LAN); wide area networks (WAN); internet and TCP/IP architecture, intranet and extranet; wireless networks, virtual private

networks (VPN); networks security, ethical issues, and management; and web technology. *Credit: 3 semester hours.*

CIS 3348 Computer and Network Security

Prerequisite: CIS 3347. This is the second course in communications network with the emphasis on network security and computer forensics. The course covers topics including security policies and standards, network vulnerabilities, firewall planning, design, configuration and administration, Virtual Private Network, contingency planning, intrusion detection and prevention systems, digital forensics, ethical issues, and management. Hands-on case application will be used to enhance the various topics of networks security discussed in the course. *Credit: 3 semester hours.*

CIS 3352 Database Management

Prerequisite: CIS1332 or CIS2331. This course gives an intensive treatment on database processing. Emphasis is centered on the Data Base Management System's (DBMS) underlying concepts, theories, designs, implementations as well as future trends. Lab exercises and projects on the implementation of the designed data models, utilizing major DBMS packages (Oracle, MS SQL Server, MySQL, MS Access, Visual Basic, etc.), will be discussed and assigned throughout the course. *Credit: 3 semester hours.*

DS 2333 Modern Statistics I

Prerequisite: ECO1302; MATH 1320. The course discusses the introductory descriptive statistical measures and statistical theory of estimation and hypothesis testing relevant to economic problems. Topics include: methods of data presentation, measures of central tendency and dispersion, probability theory and classical probability distributions, sampling distributions, hypothesis testing and estimation, including the use of statistics packages such as EXCEL, MINITAB, and SPSS. *Credit: 3 semester hours.*

DS 2334 Modern Statistics II

Prerequisite: DS2333. The course discusses the intermediate statistical techniques and emphasizes exploring and estimating relationships among variables. Topics include: analysis of variance, regression and correlation, time series analysis, index numbers, nonparametric statistics and quality management. Application of the aforementioned techniques to solve real-world economic problems using popular statistics packages such as EXCEL, MINITAB, and SPSS will be emphasized. *Credit: 3 semester hours.*

DS 3350 Business Research Methods

Prerequisite: DS2333 and CIS1332 or CIS2331. The course is offered to honors students as a substitute for DS2334. This is a research-oriented course with an emphasis on quantitative and statistical methods. Topics include: business research and decision

making; information, research and knowledge management; research design; sampling methods and data collections; analytical procedures; research reporting and evaluation; and ethical considerations in business research. Case studies of quantitative methods applications are discussed and assigned. *Credit: 3 semester hours.*

CIS/DS Courses to Be Offered Upon Demand

3336 Multivariate Statistical Analysis for Business

3337 Advanced Business Statistics and Forecasting

3338 Operations Research for Business

3346 Linear Programming for Business Decision-Making

3349 Advanced Computing and Methodology

3351 Object-Oriented Programming

4340 Business Simulation and Model Building

4342 Business Software Design and Development

4399; 4400 Computer Information Systems Internship

Department of Economics and Finance (ECO/FIN)

Vipul K. Bansal, Ph.D., Chair

Economics

ECO 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.*

ECO 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.*

ECO 1320 Economics of Poverty and Income Inequality

(Global Studies course only)

This course provides an overview of the economic issues of poverty and income inequality as they exist in developed countries (USA, Europe). The course will examine the economic, social and political causes of poverty and income inequality, how they are measured, and the role of public policy. The course also examines the cost to individuals

and society of persistently high levels of poverty and rising levels of income inequality. *Credit: 3 semester hours*

ECO 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.*

ECO 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.*

ECO 2327 Development of American Business Enterprise

Prerequisite: ECO 1302. An analysis of American industrial framework with emphasis on the diverse forms of market structure and behavior, life cycle of industry and the degree of competition. *Credit: 3 semester hours.*

ECO 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.*

ECO 3313 Public Finance

Prerequisite: ECO 1302. Overview of the role of the national government plays in the economy, with emphasis on spending, taxation, public goods and market failures. *Credit: 3 semester hours.*

ECO 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.*

ECO 3341 Macroeconomic Theory

Prerequisite: ECO 1301, 1302. 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.*

ECO 3343 Microeconomic Theory

Prerequisite: ECO 1301, 1302. 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.*

ECO 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.*

ECO 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.*

Economics 3360: Marxian Economics

Prerequisite: ECO 1301 and 1302. The course presents the survey of Marxian economics with a focus on how Marx's work can shed light on problems with which modern economists continue to grapple. This course will introduce students to analytical traditions that receive scant attention in the standard economics curriculum. *Credit: 3 semester hours.*

ECO 4340 Managerial Economics

Prerequisite: ECO 1302 and MTH 1320. Explores potential contribution and economic theory to formulation of business policy decisions. Concentrates on those economic concepts which can be applied to management problems. *Credit: 3 semester hours.*

ECO 4345 Introduction to Econometrics

Prerequisites: DS 2333, ECO 1301, 1302. Review of random variables, probability distributions and hypothesis testing. Introduction of regression analysis and application to time series and cross section data. *Credit: 3 semester hours.*

ECO 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.*

ECO 4399 Economics Internship

The internship provides students with the opportunity to develop applied economic skills in an actual work setting outside the classroom. This internship is a one term, part-time, credit-bearing position within a supervised work environment. This course is open to second semester junior economic majors with 75 credits completed and a 2.75 cumulative index. *Coursework appropriate to the internship and permission of the instructor is required. Credit: 3 semester hours.*

ECO 4400 Economics Internship

A second internship or continuation of ECO 4399, which may be used as a business elective, and the earned grade is included in the major field index. *Credit: 3 semester hours.*

ECO courses to be offered upon demand

ECO 3306 Comparative Economics

ECO 3307 Labor Economics

ECO 3335 Mathematical Economics

ECO 3348 Environmental Economics

Finance

FIN 3310 Foundations in Finance

Prerequisite: ECO 1302 and ACC 2338. Introduces financial markets and institutions, financial risk, time value of money, stock and bond valuation. *Credit: 3 semester hours.*

FIN 3311 Corporate Financial Analysis

Prerequisite: FIN 3310. Examines problems involved in managing the assets and liabilities of a business. Emphasis is given to capital budgeting, cost of capital, financial structure and dividend policy. Special attention is given to analytical approaches and financial theory. *Credit: 3 semester hours.*

FIN 3312 Investments

Prerequisite: FIN 3310. The basic theories and techniques of investment are covered within an ethical framework. Emphasis is on valuation models for equity, fixed income and derivatives securities. *Credit: 3 semester hours.*

Finance 3314: Real Estate Finance and Investments

Prerequisite: Finance 3310. This course is designed to provide an overview of real estate and real estate markets; it will provide an understanding of the theory and application of evaluating, valuing and investing in commercial real estate. *Credit: 3 semester hours.*

FIN 3315 Commercial Banking

Prerequisite: ECO 2309 or FIN 3310. This course covers both theoretical and practical aspects of bank decision-making. Analysis of the operations and management of commercial banks are covered. *Credit: 3 semester hours.*

FIN 3316 Capital and money Markets

Prerequisite: ECO 2309 or FIN 3310. Study of financial market structures and instruments along with the nature of the financial system. Additional focus on trading, regulation and market crisis. *Credit: 3 semester hours.*

FIN 3318 International Banking and Finance

Prerequisite: ECO 2309 or FIN 3310. Examines global finance and economic environments, with emphasis on foreign exchange markets. Focus on corporate finance concerns, including currency forecasting and hedging. *Credit: 3 semester hours.*

FIN 4317 Securities Analysis and Portfolio Management

Prerequisite: FIN 3312. Analysis of the various types of corporate securities and a discussion of the techniques of portfolio management in light of differing investment objects. Theoretical and applied approaches are included. *Credit: 3 semester hours.*

FIN 4327; 4328 Managing Investment Funds

Prerequisite: FIN 3310 and permission of instructor. These courses enable students to manage a "real" investment fund. Students

perform all the functions of a Wall Street securities analyst or mutual fund analyst. *Credit: 3 semester hours.*

FIN 4350 Seminar in Finance

Prerequisite: FIN 3310. Various topics in finance are covered from semester to semester. A research-oriented course focusing upon selected topics in theoretical and applied finance, where there is more advanced treatment of the issues in finance. *Credit: 3 semester hours.*

Finance 4388: Derivative Markets

Prerequisite: Finance 3310. The course coverage and emphasis is on application and assumptions underlying derivative markets. It covers different derivative instruments, how these are used and priced. It closely follows the financial economics sections of the syllabi for the professional actuarial exam. *Credit: 3 semester hours.*

FIN 4399 Finance Internship

The internship provides students with the opportunity to develop applied financial skills in an actual work setting outside the classroom. This internship is a one term, part-time, credit-bearing position within a supervised work environment. This course is open to second semester junior finance majors with 75 credits completed and a 2.75 cumulative index. *Coursework appropriate to the internship and permission of the instructor is required. Credit: 3 semester hours.*

FIN 4400 Finance Internship

A second internship or continuation of FIN 4399, which may be used as a business elective, and the earned grade is included in the major field index. *Credit: 3 semester hours.*

Department of Law (LAW)

John P. Clarke, J.D., *Chair*

LAW 1310 Law in a Business Environment

Examination of the role of law in society, the international legal environment, ethical issues, and the application of the U.S. Constitution. Torts, contracts, business entities, bankruptcy and environmental protection are studied. *Credit: 3 semester hours.*

LAW 3313 Uniform Commercial Code

Prerequisite: LAW 1310. Study of the legal system relative to commercial transactions, specifically covered by the Uniform Commercial Code including sales, negotiable instruments, and secured transactions. *Credit: 3 semester hours.*

LAW 4314 Government and Business

Prerequisite: LAW 1310. Regulation of business under federal and state administrative agencies. Examination of issues relative to antitrust securities regulations, and advertising and the work of the S.E.C. and F.T.C. *Credit: 3 semester hours.*

LAW 4315 Employment Law and Legislation

Prerequisite: LAW 1310. A study of the laws enacted to protect the individual rights of employees focusing on potential discrimination in the workplace based on race, gender, age, and sexual orientation. Emphasis on the civil rights inherent in the hiring, promotion, and retention of employees in the private sector. *Credit: 3 semester hours.*

LAW 4316 Law of Small and Family-Run Business

Prerequisite: LAW 1310. Examination of the legal challenges and opportunities inherent in starting and managing a small business, including family run and new entrepreneurial start-up businesses. Review of the laws applicable, including use of corporations, limited liability companies and limited liability partnerships. *Credit: 3 semester hours.*

Department of Management (MGT)

John Angelidis, Ph.D., Chair

BUS 1100 Introduction to Business

This course is a general survey of the entire field of business administration, where students will acquire an understanding of and appreciation for business functions and career opportunities. All major aspects of business activity are covered. *Credit: 1 semester hour.*

IB 4312 GLOBE-International Social Entrepreneurship

Prerequisite: Permission of the instructor. GLOBE, a student-managed academic program and microfinance fund provides loans to entrepreneurs in the developing world. Through GLOBE, students are educated about the world of microfinance while applying their business skills to help the poorest of the poor lift themselves and their families out of poverty. Students with a minimum of a 3.0 cumulative index may apply for this course for their second semester junior year or senior year may earn credit toward their major or a business elective. For more information see Special Programs. *Credit: 3 semester hours.*

IB 3341 Principles of International Business

Prerequisite: MGT 2301 and MKT 3301. This course provides an introduction to the field of international business. It examines the international environment and provides insights of the world of global corporations. *Credit: 3 semester hours.*

MGT 2301 Administrative and Organizational Behavior

This course is designed to provide an overview of managerial and leadership behaviors relevant to the effective utilization of administrative and human resources in organizational settings. *Credit: 3 semester hours.*

MGT 3323 Organizational Decision Making

Prerequisite: MGT 2301, DS 2334. Focuses on the integration and application of both the quantitative and the qualitative concepts, and tools necessary to the evaluation and selection of alternatives in the administrative decision making process. *Credit: 3 semester hours.*

MGT 3325 Management of Operations

Prerequisite: MGT 2301. 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.*

MGT 3330 Project Management

Prerequisite: Mgt 2301. This course is an introduction to modern project management. It provides a detailed overview of concepts and techniques applied to the management of projects. The ability to plan, implement, and manage activities to accomplish specific organizational objectives is a part of the project management. Specialized functions unique to the project management environment including time management, cost management, human resources management, risk management and others are introduced and explained. *Credits: 3 semester hours.*

MGT 3331 Strategic Leadership in a Global Environment

Prerequisite: MGT 2301. This course is designed to provide an overview of the fundamental concepts of basic leadership models and theories, as well as an in-depth understanding of contemporary issues and perspectives on leadership in a global environment. *Credit: 3 semester hours.*

MGT 3332 Personnel Administration

Prerequisite: MGT 2301. This course examines the problems and processes of the management of human resources, emphasizing the principles and practices of personnel management and the functions of the executive as applied within the context of personnel administration. *Credit: 3 semester hours.*

MGT 3337 Corporate Social Responsibility

Prerequisite: MGT 2301. A conceptual review of the interaction between management and the environment in which it functions is provided. The relationship of the organization with the outside public, community, and society is explored. *Credit: 3 semester hours.*

MGT 3339 Global Organizational Behavior

Prerequisite: MGT 2301. This course is designed to provide a comprehensive and up-to-date introduction to the field of international organizational behavior and managerial requirements in the global context. *Credit: 3 semester hours.*

MGT 3340 Managing the IT Function

Prerequisite: MGT 2301. While maintaining a focus on information technology resources,

this course explores alternative approaches for managing IT resources, coordinating business and IT strategies, purchasing IT resources, and what the user-manager and the systems professional need to know to make effective use of IT technologies. *Credit: 3 semester hours.*

MGT 3342 Systems Analysis and Design

Prerequisite: MGT 2301. Students are introduced to the use of tools and techniques typically applied by systems analysts during the development of new business-related information systems. *Credit: 3 semester hours.*

MGT 3344 Decision Support Systems

Prerequisite: MGT 2301. Students learn to make and support managerial decisions by providing a thorough understanding of the support aspect of Decision Support Systems (DSS). *Credit: 3 semester hours.*

MGT 3346 Electronic Commerce

Prerequisite: MGT 2301. This course explores the process of buying and selling goods, services, and information electronically through telecommunications networks, and primarily the internet. *Credit: 3 semester hours.*

MGT 3391 Global Business Strategy

Prerequisite: MGT 2301. This is a course in the development and implementation of global business strategies. It utilizes cases to study strengths and weaknesses of multinational organizations, preparing students to evaluate global strategies that multinational organizations use to position themselves in the global business marketplace. *Credit: 3 semester hours.*

MGT 4310 Entrepreneurship

Prerequisite: MGT 2301. The course teaches students to use the entrepreneurial perspective in business decision making. Students enhance their capacity to envision, anticipate, and orchestrate events in new business ventures. *Credit: 3 semester hours.*

MGT 4311 Small Business Management.

Prerequisite: Mgt 2301. This course is designed to introduce students to current theory and practice related to managing small firms. It covers basic principles of organization and management appropriate for a small business environment. Skills and activities needed for the successful management of small firms, whether traditional family businesses, franchises or new entrepreneurial ventures are taught. *Credit: 3 semester hours.*

MGT 4320 Management of Service Operations

Prerequisite: MGT 2301 and MGT 3325. This course focuses on the management of service operations within the pure service sector (banking, transportation, travel and the hospitality industry, government, etc.) and within the service functions of manufacturing (after-sales support, financing, etc.). *Credit: 3 semester hours.*

MGT 4322 Management Information Systems

Prerequisite: MGT 2301. The course provides 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.*

MGT 4324 Advanced Operations

Management *Prerequisite:* Mgt 2301, Mgt 3325. Selected production processes are surveyed and production problems considered in depth. Emphasis is given on the analytical methods used in the design, implementation and control of production systems. *Credit: 3 semester hours.*

MGT 4326 Supply Management

Prerequisite: MGT 2301 and 3325. The principles and practices of supply management are surveyed with emphasis on procurement-its organization and its analytical methods and techniques. *Credit: 3 semester hours.*

MGT 4329 Managerial Strategy and Policy

Prerequisite: Taken in last 12 credits, may take in summer only if graduating. The course concerns enterprise-wide strategic management. In this course students learn how to develop and implement business strategies. *Credit: 3 semester hours.*

MGT 4333 Industrial and Personnel Psychology

Prerequisite: MGT 2301. (Cf. PSY 33) The course studies the psychological aspects of individual differences, efficiency working conditions, accident prevention, human engineering, industrial mental health and counseling. *Credit: 3 semester hours.*

MGT 4334 Managing a Culturally Diverse Workforce

Prerequisite: MGT 2301. This course provides a study of the formal social structures and organizational environments, organizational environments and the factors facilitating and impeding the harmonious integration of culturally diverse workforce personnel. *Credit: 3 semester hours.*

MGT 4335 Management of Compensation

Prerequisite: MGT 2301. This course covers principles underlying management's application of monetary incentives. Generally, wage theory, principles and practices are investigated. *Credit: 3 semester hours.*

MGT 4336 Development of Human Resources

Prerequisite: MGT 2301. Students learn applications of management and teaching-learning principles 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.*

MGT 4338 International Management and Operations

Prerequisite: MGT 2301. The course provides a survey of managerial actions and practices within the global setting. The impact of economic, political, and social-cultural differences on international business management is explored. *Credit: 3 semester hours.*

MGT 4347 Managing Through Social Media

Prerequisite: MGT 2301. The course is an overview of the emerging opportunities for managers to utilize social media as management tools. In this course students will learn to deploy social media as platforms for collaboration, communication, creative problem solving and project management. *Credit: 3 Semester hours.*

MGT 4348 Emerging Trends in MIS

Prerequisite: MGT 2301. Current issues and trends in the MIS field are explored through lectures, discussions, and case analyses. *Credit: 3 semester hours.*

MGT 4399 Management Internship

The internship provides students with the opportunity to develop management skills in an actual work setting outside the classroom. This internship is a one term, part-time, credit-bearing position within a supervised work environment. This course is open to second semester junior management majors with 75 credits completed and a 2.75 cumulative index. *Coursework appropriate to the internship and permission of the instructor is required.* *Credit: 3 semester hours.*

MGT 4400 Management Internship

A second internship or continuation of MGT 4399, which may be used as a business elective, and the earned grade is included in the major field index. *Credit: 3 semester hours.*

Department of Marketing (MKT)

A. Noel Doherty, Ph.D., Chair

MKT 3301 Principles of Marketing

This course is designed to develop knowledge and understanding about the basic principles of marketing and its role in directing and blending all activities of an organization. *Credit: 3 semester hours.*

MKT 3301 Principles of Marketing Honors

This course is designed to develop knowledge and understanding about the basic principles of marketing. A service learning project will need to be completed by each honor student. *Credit: 3 semester hours.*

MKT 3305 Advertising

Prerequisite: MKT 3301. Advertising is surveyed as a major part of a brand's integrated marketing communications process which presents brand information and spurs consumer behavior. *Credit: 3 semester hours.*

MKT 3306 Integrated Marketing

Prerequisite: MKT 3301. The course introduces the students to the fundamental principles and theories of sale promotion and integrated marketing communication (IMC). *Credit: 3 semester hours.*

MKT 3307 Principles of Retailing

Prerequisite: MKT 3301. The student examines the planning, organization, management and operations of the retail (e-tail) firm. Strategic and tactical factors leading to growth in retail (e-tail) sales and earnings are emphasized. *Credit: 3 semester hours.*

MKT 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. *Credit: 3 semester hours.*

MKT 3309 Event Marketing

Prerequisite: MKT 3301. Marketing is an essential element in the commercial success of entertainment products. This course considers the various mixes of entertainment media and how business uses this media to be successful. *Credit: 3 semester hours.*

MKT 3310 Sales Management

Prerequisite: MKT 3301. This course focuses on the planning and strategic framework of the sales manager's job. The relationship among company goals, marketing strategies, and the sales force are emphasized and developed. *Credit: 3 semester hours.*

MKT 3311 Consumer Behavior

Prerequisite: MKT 3301. This course addresses issues related to consumer behavior from a number of different viewpoints. It examines the influences of psychological, sociological, and cultural variables on buying behavior and marketing strategy development. *Credit: 3 semester hours.*

MKT 3312 Marketing Research

Prerequisite: DS 2334, MKT 3301 Marketing Research is a scientific approach commonly used to identify problems and their causes, collect relevant information, analyze and present this information within the management decision making process. *Credit: 3 semester hours.*

MKT 3315 Product Management

Prerequisite: MKT 3301. Subject matter includes the meaning, importance, corporate objectives and planning for new products, forms of new products, and organization of the new product activity. *Credit: 3 semester hours.*

MKT 3317 International Marketing

Prerequisite: MKT 3301. This course is designed to expand the students' perspective of marketing from a domestic to global orientation. *Credit: 3 semester hours.*

MKT 3320 Service Marketing

Prerequisite: MKT 3301. The course focuses

on the unique challenges of managing services and delivering quality service to customers.
Credit: 3 semester hours.

MKT 3321 Financial Services

Prerequisite: MKT 3301. In this course we will look to apply marketing principles—especially those related to services marketing—to the financial services industry.

Credit: 3 semester hours.

MKT 4305 Advertising/ Marketing Research Project

Prerequisite: MKT 3301, and permission of the instructor. This is an advanced, multi-disciplinary course that uses a real-world challenge of a prominent company to teach students how to think through a complex marketing problem.

Credit: 3 semester hours.

MKT 4306 Advertising Project

Prerequisite: MKT 4305 and permission of the instructor. This is an advanced course that involves students in hands-on execution of a marketing/advertising campaign, performing all the functions of a contemporary marketing communications agency.

Credit: 3 semester hours.

MKT 4316 Marketing Management and Policies

Prerequisite: MGT 2301, MKT 3301. A capstone, case-oriented course, emphasizing the development of marketing management skills. *Credit: 3 semester hours.*

MKT 4318 Export-Import Marketing

Prerequisite: MKT 3301. This course covers all aspects of export and import management including logistics and financing. The principles and techniques of the export and import business are explained.

Credit: 3 semester hours.

MKT 4350 Marketing Seminar

A senior-level course focusing on the current and critical marketing issues being addressed by today's firms. *Credit: 3 semester hours.*

MKT 4399 Marketing Internship

The internship provides students with the opportunity to develop marketing skills in an actual work setting outside the classroom. This internship is a one term, part-time, credit-bearing position within a supervised work environment. This course is open to second semester junior marketing majors with 75 credits completed and a 2.75 cumulative index. *Coursework appropriate to the internship and permission of the instructor is required. Credit: 3 semester hours.*

MKT 4400 Marketing Internship

A second internship or continuation of MKT 4399, which may be used as a business elective, and the earned grade is included in the major field index. *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.*

MSC 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, Insurance and Actuarial Science (RMI and ACT)

Mark Browne, Ph.D., Chair

RMI 2301: Principles of Risk Management

Prerequisites: None. Surveys fundamental principles of risk and risk management, examines how insurance offers protection for individuals and society and how the insurance market is structured and regulated, and discusses theories in risk management and insurance. *Credit: 2 semester hours.*

RMI 3333: Commercial Property Risk Management and Insurance

Prerequisite: RMI 2301. Identifies property loss exposures that corporations commonly face and examines how they manage these exposures, discusses the theories and principles governing insurance contracts, and analyzes the commercial property insurance industry. *Credit: 3 semester hours.*

RMI 3335: Life, Health, Pension and Social Insurance

Prerequisite: RMI 2301. Surveys market-based and government-based insurance tools designed to manage risks of premature death, disability and loss of health. Examines social security and retirement funding issues. *Credit: 3 semester hours.*

RMI 3350: Insurance Leadership in Markets and Society

Prerequisite: RMI 2301. Presents an opportunity to develop familiarity with the global insurance industry and practice in the critical-thinking and communication skills essential for success in that industry, and covers experiential learning, including study abroad possibility. *Credit: 2 semester hours.*

RMI 3355: Risk Control

Prerequisite: RMI 2301. Overviews the risk assessment and treatment processes. Examines techniques used in identifying, assessing and treating risks, and covers handling the consequences of risk that corporations face. *Credit: 3 semester hour.*

RMI 3360: Corporate Risk Management

Prerequisite: RMI 2301. Through case examples, help students gain experience with the process of managing operational, financial and strategic risks of private and public organizations. *Credit: 3 semester hours.*

RMI 3361: Insurance and Alternative Risk Transfer

Prerequisite: RMI 2301 and FIN 3310. Presents advanced methods of combining insurance and other financial tools into solutions for funding a firm's exposure to risk in ways that create and/or improve economic value of the firm. *Credit: 3 semester hours.*

RMI 4334: Commercial Liability Risk Management and Insurance

Prerequisite: RMI 2301. Identifies liability loss exposures that corporations commonly face and examines how they manage these exposures, discusses the theories and principles governing insurance contracts, and analyzes the commercial liability insurance industry. *Credit: 3 semester hours.*

RMI 4364: Reinsurance

Prerequisite: RMI 2301. Surveys reinsurance products and programs as well as the supply and demand for reinsurance in insurance markets. *Credit: 3 semester hours.*

RMI 4390: Insurance Industry Operations

Prerequisite: RMI 2301. Provides an overview of the industrial organization of the insurance markets, including the competitive and regulatory impacts on both consumers and firms, and examines the interaction between the firm's actuarial, underwriting, claims, investment, marketing functions. *Credit: 3 semester hours.*

RMI 4399: Internship

Prerequisite: RMI 2301. Provides students with the opportunity to develop applied skills in a supervised, actual work environment. This internship is a one term, part-time, credit-bearing position within a supervised work environment. This course is open to second semester junior RMI majors with 75 credits completed and a 2.75 cumulative index. *Credit: 3 semester hours.*

RMI 4400: Internship

Prerequisite: RMI 2301. A second internship or continuation of RMI 4399, may be used as a business elective. The earned grade is included in the major field index. *Credit: 3 semester hours.*

ACT 3322 Actuarial Science 2 (Advanced Calculus and Statistics)

Provides a thorough review of key calculus topics and mathematical statistics to prepare students for the first actuarial examination (1/P). *Credit: 3 semester hours.*

ACT 3333 Actuarial Science 3 (Probability Theory)

Provides a review and extension of probability theory to prepare students for the first actuarial examination (1/P). *Credit: 3 semester hours.*

ACT 3334 Actuarial Science 4 (Theory of Interest)

Develops the concepts of financial mathematics to prepare students for the second actuarial examination (2/FM). *Credit: 3 semester hours.*

ACT 3335 Actuarial Science 5 (Life Contingences I)

First of a two-course sequence, promotes students to develop knowledge of actuarial models and apply them. Prepare students for advanced actuarial examination (MLC). *Credit: 3 semester hours.*

ACT 4336 Actuarial Science 6 (Life Contingences II)

Second of a two-course sequence, promotes students to develop knowledge of actuarial models and apply them. Prepare students for advanced actuarial examination (MLC). *Credit: 3 semester hours.*

ACT 4347 Actuarial Science 7 (Construction and Evaluation of Actuarial Models I)

First of a two-course sequence, develops the student's knowledge of modeling and actuarial methods with business applications; Prepare students for advanced actuarial examination (4/C). *Credit: 3 semester hours.*

ACT 4348 Actuarial Science 8 (Construction and Evaluation of Actuarial Models II)

Second of a two-course sequence, develops the student's knowledge of modeling and actuarial methods with business applications; Prepare students for advanced actuarial examination (4/C). *Credit: 3 semester hours.*

ACT 4349 Actuarial Science 9

(Applied Statistics) Is a course approved for actuarial society credit under the Validation by Educational Experience (VEE) Program. *Credit: 3 semester hours.*

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John-Emery Konecni, *Assistant Dean, B.S., M.A., Ph.D.*

S. Jennifer Miranda-Velázquez, *Assistant Dean, B.S., M.S., P.D., Ed.D.*

Janet E. Carl, *Assistant to the Dean, B.A., M.S., P.D., Ed.D.*

Michael Fahid, *Assistant to the Dean, B.S.*

Gina LaPan, *Assistant to the Dean, B.A., M.S.*

Anthony Marziliano, *Assistant to the Dean, B.A., M.S.*

Caitlin McElroy, *Assistant to the Dean, B.A., M.S.*

Sheila Edwards Robinson, *Assistant to the Dean, B.S., M.S.W.*

Statement

The College of Pharmacy and Health Sciences 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 Health Sciences seeks to prepare students to meet the present and future demand for pharmacists, physician assistants, clinical laboratory scientists, radiologic scientists and toxicologists 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 Health Sciences has adopted the following Vision Statement: The College of Pharmacy and Health Sciences 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 areas are emphasized in our various programs:

Pharmacy (Pharm.D) Program:

Goal 1: Demonstrate core competencies as they relate to the field of pharmacy

- Demonstrate the ability to think logically, analyze information, problem solve and make decisions
- Discuss scientific methods in a competent manner
- Demonstrate effective written and oral communication skills
- Demonstrate the application of information systems and integrated computer technologies in the practice of pharmacy

Goal 2: Demonstrate Practice Competencies

- Demonstrate patient-centered care in cooperation with patients and other members of the health care team
- Evaluate the legal, ethical, social, cultural, economic and professional issues as related to patient specific care
- Participate actively in the drug use decision making process

- Manage and use resources of the health care system to promote health and provide, assess, and coordinate safe, accurate and time-sensitive medication distribution
- Demonstrate knowledge of informatics
- Collect, interpret and analyze professional, lay, and scientific literature to disseminate accurate drug information and counseling to patients, their families or care givers and other health care providers
- Design a patient-specific medication regimen including the selection of appropriate agent, dosage form, formulation, route of administration and/or delivery systems to improve therapeutic outcomes of medication use
- Determine, recommend, and monitor dose and dosing schedules by applying the principles of pharmacokinetics and pharmacodynamics
- Counsel patients effectively about their medication regimens in terms of efficacy and toxicity
- Monitor patients' progress effectively with regard to drug therapy
- Demonstrate the ability to successfully manage a patient-centered practice
- Demonstrate the ability to promote health improvement, wellness and disease prevention in the community

Goal 3: Address issues of ethical behavior and social responsibility in pharmacy, critically and reflectively in accordance with the Vincentian Mission

- Identify the nature, range and scope of ethical considerations in pharmacy and relate the discussion to the principles of the "Oath of the Pharmacist"
- Describe situations that are ethically ambiguous and the actions you would take and relate the discussion to the principles of the "Oath of the Pharmacist"
- Demonstrate awareness and sensitivity to cultural diversity
- Explain continuing professional development.

Clinical Laboratory Sciences (CLS) Program:

Goal 1: Demonstrate basic knowledge of the field

Goal 2: Demonstrate competency in the biomedical sciences

Goal 3: Illustrate and apply the ethical principles of a laboratory professional

Goal 4: Communicate effectively both orally and in composition

Goal 5: Satisfy the objectives of the professional/clinical year

Goal 6: Demonstrate the fundamental competencies and application of skills of clinical laboratory sciences

Radiologic Sciences Program

Goal 1: Demonstrate clinical competency by mastering both the didactic and clinical portions of the program.

Goal 2: Exhibit professionalism and ethical conduct.

Goal 3: Effectively communicate in a professional manner.

Goal 4: Demonstrate critical thinking skills to obtain quality diagnostic images while ensuring patient safety and comfort.

Toxicology (TOX) Program

Goal 1: Demonstrate competency in science and math

Goal 2: Demonstrate the application of fundamental competencies in toxicology

Goal 3: Demonstrate skills in the practice of toxicology

Goal 4: Apply knowledge and skills to the public understanding of toxicology

Physician Assistant (PA) Program

Goal 1: Demonstrate basic competency in the field

Goal 2: Demonstrate knowledge of the biomedical sciences

Goal 3: Illustrate and apply the ethical principles of a health care practitioner

Goal 4: Demonstrate an understanding of medical knowledge

Goal 5: Demonstrate effective oral and writing skills

Goal 6: Demonstrate competencies and integration of clinical skills

General 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.

**While the above are basic admission requirements, it is required that students*

who intend to matriculate for the Pharm.D., C.L.S., P.A., and TOX degree include Chemistry and Biology in their high school programs. High school Physics is also recommended.

Admission Requirements

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 Health Sciences.

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. All students must submit two letters of recommendation (one must be from a science or math teacher), complete an essay of 250 words, submit an extracurricular activities report, and a signed copy of the program's Technical Standards.

Candidates for admission to the pharmacy program must be at least 16 years of age and must be graduates of a four-year accredited secondary school.

Admission of Transfer Students to Advanced Standing

Transfer applicants are admitted to the Pharm.D. on a space available basis only. Because of the extremely competitive entrance requirements and retention rate, this program has not admitted transfer applicants (internal or external) in recent classes. Transfer applicants must complete an in-person interview.

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.

Transfer students must meet University requirements in the areas of Philosophy and Theology.

Candidates for the Clinical Laboratory Sciences Program, Physician Assistant Program, Radiologic Sciences Program and Toxicology 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 an in-person interview.

Degrees, Majors, and Minors 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 patient-centered 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 the classroom, lab 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 in drug therapy to improve the use of medication for diverse populations.

Technical standards, as distinguished from academic standards, refer to the minimum cognitive, professional and behavioral abilities required for a student to satisfactorily complete of all essential aspects of the curriculum. To successfully progress in and ultimately complete the didactic, laboratory and experiential components of the Doctor of Pharmacy program, students must understand these qualifications. All students will be required to read and sign the technical standards document to indicate they understand these qualifications. The signed document will be kept as a permanent part of the student's record.

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 on the Queens campus, followed by 2 academic years 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.

Technical standards, as distinguished from academic standards, refer to the minimum cognitive, professional and behavioral abilities required for a student to satisfactorily complete of all essential aspects of the curriculum. Please visit the following website for full

details: <http://www.stjohns.edu/academics/undergraduate/pharmacy/programs/pa/technical.stj>

Clinical Laboratory Sciences Program

This four-year program leading to a Bachelor of Science with a major in Clinical Laboratory Sciences degree consists of three years of pre-professional instruction and one year of pre-professional instruction and one year of NAACLS (National Accrediting Agency for Clinical Laboratory Sciences) approved professional/ clinical study at the Dr. Andrew J. Bartilucci Center as well as the University's hospital affiliates.

Technical standards, as distinguished from academic standards, refer to the minimum cognitive, professional and behavioral abilities required for a student to satisfactorily complete of all essential aspects of the curriculum.

Radiologic Sciences Program

The Bachelor of Science in Radiologic Sciences is designed to prepare students for a career as a radiologic technologist. The curriculum is designed to develop and enhance effective communication skills, technical skills, and professionalism while inspiring excellence in practice. The junior and senior years of the program provides a balanced clinical education complimented with a didactic atmosphere conducive to fostering teamwork and self development to provide a foundation for academic and career advancement.

This four-year program consists of two years of pre-professional courses and two years of instruction at the Dr. Andrew J. Bartilucci Center and affiliate clinical sites.

Technical standards, as distinguished from academic standards, refer to the minimum cognitive, professional and behavioral abilities required for a student to satisfactorily complete all essential aspects of the curriculum.

Toxicology Program

Toxicologists work to protect human health and the environment from the adverse effects of harmful materials. 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 and dental school and graduate programs.

Minors Approved for Pharmacy Students

Biology
Business
Chemistry
Philosophy
Psychology
Public Administration and Public Service
Sociology
Theology and Religious Studies

Minors Available for Health Sciences

(Clinical Laboratory Sciences, Physician Assistant, Toxicology, and Radiologic Sciences)

Business
Chemistry
Computer Science
English
Government and Politics
History
Philosophy
Psychology
Sociology
Theology

Certificate Program

Physician Assistant Certificate

Students who possess a bachelor's degree may apply to the two-year, certificate portion of the program. Applications for the Certificate Program must be submitted online through the Central Application Service for Physician Assistants (CASPA). All Certificate students must possess a baccalaureate degree. Candidates also are encouraged to have a strong science background with completed coursework in pathology, biochemistry, pharmacology, ethics and biostatistics. Minimum requirements for all applicants include 16 credits in the basic sciences taken within five years of entry into this program. Courses include: Microbiology with lab, Anatomy and Physiology I and II with labs, and Chemistry with lab.

Accreditation

The Doctor of Pharmacy degree program is accredited by the Accreditation Council for Pharmacy Education (www.acpe-accredit.org).

The Clinical Laboratory Science degree program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (www.nacls.org).

The Physician Assistant degree program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (www.arc-pa.org).

The Radiologic Sciences degree program is accredited by the Joint Review Committee on Education in Radiologic Technology (www.jrcert.org).

Pass-Fail Option

This option is open only to health sciences 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 courses. It may not be exercised in connection with major requirements or with courses being applied to a minor, including math, science, and professional courses. 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 through UIS. 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.

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

Academic standing for consideration of progression within each program, progression on probation, or dismissal for poor scholarship is based on review of students' progress.

Additional standards for progression in each program must be met. Please contact the Office of the Dean for information concerning these requirements.

Pharmacy

Good academic standing for a student in the Entry Level Pharm.D. degree is a 2.3 overall GPA and math/science grade point average by the end of the first year which must be maintained throughout the remainder of the program.

A pharmacy major will be required to successfully complete a competency examination before beginning the advanced pharmacy experiential portion of the program. Students will also be interviewed prior to their third year and may be required to submit a writing sample for review.

Clinical Laboratory Sciences

Students are required to maintain a 2.30 overall GPA and a 2.30 math and science GPA for promotion within the major. For promotion into the clinical year, students are required to have a 2.30 GPA overall as well as in math and science. Students will be interviewed prior to entering the clinical year. Students must repeat a course when it is next offered if the letter grade of C+ is not achieved. If a student unsuccessfully completes the repeated course or is unsuccessful in achieving a C+ in more than one course, the student will be recommended for program dismissal.

Students are required to maintain a C+ or greater in each course of the professional program in order to graduate.

Physician Assistant

Students are reviewed each semester for the purpose of evaluating academic performance and ascertaining eligibility for promotion in their major. Advancement within the freshman and sophomore years requires a 2.70 math and science GPA and a 2.70 overall GPA each semester to be in good academic standing. Advancement into the junior year requires a 2.70 math and science GPA and a 2.70 GPA overall, including a letter grade of C or better in the following: General Chemistry (CHE 1110/4/2 or CHE 1210/1/2), Anatomy and Physiology I and II including any labs (PHS 3103, PHS 3104, PHS 3105 or PHS 3504, 3507), Microbiology (BIO 2280/1), and Introduction to Health Care (ALH 1201). These courses must be completed within five years of entry into the junior year. Students must fulfill and pass all components of the progression application, including the GPA and letter grade requirements, and pass the required interview in order to be considered for progression to the junior year. The number of students advancing to the junior year is dependent upon the enrollment permitted by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA).

Students enrolled in the junior and senior years of this major must earn a letter grade of C or better in all didactic courses with an overall 2.30 GPA. Students must repeat a course when it is next offered if the letter grade of C is not achieved. If a student receives less than the letter grade grade of C in more than one didactic course or a repeated course, this will lead to the recommendation for program dismissal. Didactic students must also competency exam before beginning clinical rotations. Students enrolled in clinical rotations must earn a letter grade of C+ or better for each clinical rotation.

* Students must also complete a criminal background check.

**Experiential Rotations are restricted to Pharm.D. students.

Toxicology

Students are required to maintain a 2.30 overall GPA as well as in their math and science courses for promotion within their major each year.

Radiologic Sciences

Students must maintain a 2.30 overall GPA in the pre-professional courses each year to progress within their major. The 2.30 overall GPA is required for students to progress into the junior and senior years of the Radiologic Sciences program. Students must pass an interview prior to entering the professional year as part of their progression process.

Within the junior and senior years, students must maintain an overall GPA of 2.30, earn a letter grade of C+ or greater in each didactic and clinical course, and adhere to the attendance policy to progress from semester to semester.

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.

Special Requirements for Experiential Programs

Students in the Pharmacy, Clinical Laboratory Sciences, Physician Assistant, and Radiologic Sciences must complete annual criminal background checks and must be HIPAA certified.

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.*

Pharmacy students may not take an elective or didactic course concurrently with the advanced experiential courses. Clinical Laboratory Sciences, Physician Assistant and Radiologic Sciences students may take an elective or didactic course in concurrently with the clinical rotation courses.

In the Clinical Laboratory Sciences, Physician Assistant and Radiologic Sciences 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 sickness insurance for the duration of their professional studies. Additional requirements may be stipulated by the hospitals or healthcare institutions.

Pharmacy, Clinical Laboratory Sciences, Physician Assistant and Radiologic Sciences program students must register at the University for each semester that they are at the clinical site and pay full tuition.

* *Experiential Rotations are restricted to Pharm.D. students.*

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. 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.

Licensure

Admission to the Practice of Pharmacy

The Pharmacy program offered by the College of Pharmacy and Health Sciences 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.

For information concerning the admission to the practice of pharmacy, write: New York State Board of Pharmacy, 89 Washington Avenue, 2nd Floor, Albany, NY 12234.

Clinical Laboratory Sciences

Successful completion of the professional component of Clinical Laboratory Sciences education allows the student to apply for admission to the American Society for Clinical Pathology (ASCP) certifying exam.

Successful completion of the courses leading to a BS degree and passing of the ASCP certifying examination allows the graduates to obtain a New York State Department of Education license to practice as a Clinical Laboratory Technologist.

Physician Assistant Certification

Successful completion of the Physician Assistant didactic and clinical years makes the graduate eligible for admission to the Physician Assistant National Certifying Examination as administered by the National Commission on Certification of Physician Assistants.

Radiologic Sciences Certification

Students that have completed the professional component of Radiologic Sciences education with the B.S. program are eligible to apply for admission to the American Registry of Radiologic Technologists exam in Radiography and the New York State Licensing Examination.

Continuing Professional Education

William Malone, B.S., M.S. 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

The Health Education Resource Center (HERC)

Jaclyn Vialet, M.L.S., Director

(HERC) is open weekdays in the Sister Jane M. Durgin Pharmacy Education Center of St. Augustine Hall, Room B40. This instructional resource center provides educational and technical services to support the course objectives of the College of Pharmacy and Health Sciences. The center features a specialized collection consisting of books, periodicals, media, and electronic resources in the primary subject specialties of pharmacy and health sciences. The students, faculty, alumni, and practitioners of the college are also provided with a number of services at the center, which include: reference and research support, document delivery, public work stations, and quiet study areas. The center also sponsors educational programs, led by leaders from the fields of pharmacy and health sciences, which focus on contemporary healthcare issues.

Affiliate Clinical Pharmacy Sites

Pharmacy Clinical Coordinators:

Philip McAvoy, B.S. Pharm., Pharm.D., M.S.

Frank Nania, B.S. Pharm., Pharm.D.

Andrea Watson, B.S. Pharm., Pharm.D.

Elizabeth Murray,

(sites subject to change)

American Regent, Inc.

Americare Pharmaceutical Services

Annadale Family Pharmacy

Avanti Health Care (Alexander Infusion)

Belle Harbor Chemists

Bellevue Hospital Center

Best Care Pharmacy

Beth Israel Medical Center

BioScrip Inc.

Bonus Drugs and Surgicals

Brookhaven Memorial Hospital

Bryce RX Laboratories, Inc.

Cardinal Health Nuclear Pharmacy Services

CareMed Pharmacy

Center for Extended Care and Rehabilitation

Cherokee Indian Hospital

Clinton Apothecary

Coler-Goldwater Specialty Hospital and Nursing Facility

Colombo Pharmacy

Commack Drug and Surgical

Coney Island Pharmacy

CVS Caremark

Dale Drugs

Drug Rite II Pharmacy

Drug Town Pharmacy

Duane Reade

Echo Drugs/Surgical Supplies

Eisai, Inc.

Elite Pharmacy Consulting

Elmhurst Hospital

Emblem Health Pharmacy Services

Fidelis Care New York

Finch's Drug, Inc.

Food and Drug Administration

Franklin Hospital

Franklin Square Pharmacy

Franwin Pharmacy

Good Samaritan Hospital

Greater New York Hospital Association

Greenwich Hospital

Guardian Consulting Services

Gurwin Jewish Nursing and Rehabilitation Center

Hackensack University Medical Center

Hamilton Park Rehabilitation and Nursing Center

HealthMart Pharmacy

Health Smart Pharmacy

Hill Pharmacy (65 Place)

Hoboken University Medical Center

Hospital for Special Surgery

Huntington Hospital

Integrated Health Algorithms

Jacobi Medical Center

Jamaica Hospital Medical Center

Jayson Drugs

Jewish Home Lifecare

John T. Mather Memorial Hospital

King Kullen Pharmacy

Lawrence Hospital

Levin's Pharmacy, Inc.

Lincoln Medical and Mental Health Center

Little Neck Drug Store

Long Beach Medical Center

Long Island College Hospital

Long Island Jewish Medical Center

Lutheran Medical Center

Maxor National Pharmacy Services Corp.

Medco Health Solutions

Med-World Pharmacy

Melrose Pharmacy

Mercy Medical Center

Montefiore Medical Center

Nassau University Medical Center

Nate's Specialty Pharmacy

Neergaard's Pharmacy

New London Pharmacy

New Victory Pharmacy

New York City Poison Control Center

New York Methodist Hospital

NY Presbyterian-Columbia Presbyterian Medical Center

NY Presbyterian-The NY Hospital of Cornell

North Central Bronx Hospital

North Shore University Hospital

Northport VA Medical Center

Nuclear Diagnostic Products of LI

NYHTC and HANYC Harlem Health Center.

NYS Council of Health-System Pharmacists

NYU Langone Medical Center

Palisades Medical Center-NY Presbyterian Healthcare System

Parker Jewish Institute for Health Care and Rehabilitation

Pathmark Pharmacy

PDR.Net (Physicians' Desk Reference)

Peconic Bay Medical Center

PetNet Pharmaceuticals, Inc.

Pfizer Pharmaceuticals

Phelps Memorial Hospital

Precision Long Term Care (Great Neck Chemists)

Queens Children's Psychiatric Center

Queens Hospital Center

Region Care

Rite Aid Pharmacy

Rock Ridge Pharmacy

Rockville Centre Pharmacy

Rockwell Compounding

Rocky Hill Pharmacy

RX Plus Pharmacy

S and M Pharmacy

Salzman Chemists
 Sara Neumann Nursing Center
 Sedgwick Pharmacy
 Sentrx
 Shop Rite Pharmacy
 Shore Pharmaceutical Services, Inc.
 Silver Rod Pharmacy
 Sound Shore Medical Center of
 Westchester
 South Nassau Communities Hospital
 South Oaks Hospital/Broadlawn Manor
 Nursing Care Center
 Southampton Hospital
 Southside Hospital
 St. Catherine of Sienna Medical Center
 St. Charles Hospital
 St. Francis Hospital
 St. John's Episcopal Hospital
 St. John's Riverside Hospital
 St. Joseph Hospital
 St. Mary's Hospital for Children
 Stella's Pharmacy
 Stonebridge Pharmacy and Medical
 Sunrise Pharmacy
 Target Pharmacy
 The Burke Rehabilitation Hospital
 The New York Hospital Medical Center of
 Queens
 The Valley Hospital
 Thrift Drugs
 Tower Drugs - North Shore
 Town Drug
 Town Total Health
 Town Total Nutrition, Inc. Melville
 Triad Isotopes (Mallinckrodt Inc.)
 Trinity Homecare Option Care/Valgreens
 Company
 University Hospital at Stony Brook
 VA Hudson Valley Health Care System
 Valley Hospital (Lukow Pavillion)
 Village Pharmacy
 Waldbaums Pharmacy
 Walgreens Pharmacy
 Wal-Mart Stores, Inc.
 Watson Pharmaceuticals, Inc.
 Waynes Pharmacy
 West Hempstead Pharmacy
 Westchester Medical Center
 Winthrop University Hospital
 World's Fair / Total Care Rx
 Zive Pharmacy and Surgicals

Affiliated Allied Health Sites Clinical Laboratory Sciences

Usha Ruder, M.D., *Medical Advisor*
Lisa Hochstein, B.S., M.S., M.L.S. (ASCP),

Program Director
(sites subject to change)
 Flushing Hospital and Medical Center
 Jamaica Hospital and Medical Center
 Long Island Jewish Medical Center
 New York Hospital of Queens
 North Shore – LIJ Health System Labs
 St. Francis Hospital
 Winthrop University Hospital
 Wyckoff Heights Medical Center

Physician Assistant Program

Vincent Politi, M.D., *Medical Director*
Sandra Beysolow, B.S., M.S. Ed., *Program Director*
(sites subject to change)
 Beth Israel Medical Center
 Coney Island Hospital
 Flushing Hospital
 Glen Cove Hospital
 Jamaica Hospital
 Kingsbrook Jewish Hospital
 Lincoln Hospital
 Long Island Jewish Hospital
 Mount Sinai Medical Center
 North Central Bronx Hospital
 North Shore Forest Hills Hospital
 North Shore Manhasset
 St. Francis Hospital
 Winthrop Medical Center
 Wyckoff Heights Medical Center
 Airport Medical, P.C.
 Covenant House Clinic
 IMP Pain Medicine, P.C.
 JFK Medical Center
 Dr. Z. Ahmed Private Practice
 Dr. T.J. Blackett-Bonnett Private Practice
 Dr. S. DiFranco Private Practice
 Dr. D. Fernandez Private Practice
 Dr. B. Golyan Private Practice
 Dr. M. Golzan Private Practice
 Dr. L. Gorsky Private Practice
 Dr. A. Haskoor Private Practice
 Health Care for Women
 Dr. D. Kintzoglou Private Practice
 Dr. S-S. Lee Private Practice
 Manhattan Family Practice
 Dr. G. Mintz Private Practice
 Dr. A. Mugul Private Practice
 Dr. R. Nassim Private Practice
 New York Orthopedics Private Practice
 Dr. N. Pimentel Private Practice
 Dr. O. Preis Private Practice
 Dr. T. Robinson Private Practice
 Dr. J. Sayegh Private Practice
 Dr. D. Tristan Private Practice

Urological Surgical Associates Private
 Practice
 Western Midtown Medical Group
 Dr. O. Yao Private Practice

Radiologic Sciences Program

Jennifer Chiu, B.S., M.B.A, *Program Director*

(sites subject to change)
 Doshi Diagnostic Imaging Services
 Flushing Imaging Center Central Radiology
 Kingsbrook Jewish Medical Center
 Jamaica Hospital Medical Center
 New York Hospital Medical Center of
 Queens
 Wyckoff Heights Medical Center
 Winthrop University Hospital

Endowed Scholarships, Awards and Honors

Through the generosity of our alumni, friends
 and benefactors, the College is fortunate to
 offer a number of endowed scholarships. Some
 of these endowments include the following:

L.W. Frohlich Scholarship
 E. Burke Giblin Scholarship
 Charles Mollo Scholarship
 Sandy Irene and Family Scholarship
 Vincenzo James Mantia Scholarship
 Andrew Bartilucci Clinical Laboratory
 Sciences Award
 Michael W. Seul Scholarship
 Charles and Winifred Jarowski Research
 Endowment
 Phi Eta Sigma Scholarship
 Scheer Family Scholarship
 Mary-Beth Konecsni Scholarship
 Peter J. Aterno Memorial Scholarship
 David R. Wilkes Scholarship
 Herbert J. and Patricia Marie Kett Scholarship
 Marion and Michael Mangione Memorial
 Scholarship
 Duane Reade Scholars Endowed Scholarship
 Mitchell S. Krauss Memorial Scholarship
 Mary Jane Fay Pharmacy Scholarship

The following awards may be available to
 students:

American Pharmaceutical Association
 American Pharmaceutical Association
 Certificate of Recognition
 ASHP Student Leadership Award
 Auxiliary of the Pharmacists' Society of the
 State of New York Scholarship
 Aventis Scholarship
 Andrew J. Bartilucci Clinical Laboratory Sciences
 Award
 Andrew J. Bartilucci Scholarship Award

CVS Pharmacy Scholarship
 Ralph DePalma Jr. Memorial Scholarship Award
 Eli-Lilly Achievement Award
 Facts and Comparisons Award for Excellence in Clinical Communications
 Glaxo SmithKline Patient Care Award
 Health Professions Award
 Indo-American Pharmaceutical Society Award
 JM Long Foundation Scholarship Award
 Bruce Kay Memorial Award
 Herb and Patricia Kett Scholarship
 Korean American Pharmaceutical Association Award
 Long Island Pharmacist Society, Inc. Award
 Vincenzo J. Mantia Memorial Scholarship
 Ralph Martorana Award
 Merck and Co., Award
 Anthony J. Monte-Bovi Award
 Mylan Pharmaceuticals, Inc. Award
 National Community Pharmacists Association (NCPA) Student Achievement Award (Sponsored by Bristol Myers Squibb)
 New York City Society of Hospital Pharmacists Award
 Outstanding Research Performed by a Graduating Toxicology Major Award
 Pfizer U.S. Pharmaceuticals Outstanding Leader Award
 Pharmaceutical Society of the State of New York Award
 Phi Delta Chi Award
 Phi Lambda Sigma Leadership Award
 Physician Assistant Academic Excellence Award
 Rho Chi Society Research Award
 Rho Chi Society Scholarship Award
 Rite-Aid Award
 Roche Pharmacy Communication Award
 Alfred and Michael Seul Memorial Student Life Award
 St. Luke Physician Assistant Award
 St. Luke/St. Martin de Porres Award
 TEVA Award
 Vincent DePaul Toxicologist Award
 Joseph Balkon Toxicology Leadership Award
 Christine Veal Award
 Walgreen's Award
 Wal-Mart Scholarship Award
 Westchester Society of Health-System Pharmacists

Please contact the Office of the Dean for information regarding scholarship and awards.

Academic Student Organizations

Pharmacy 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.

Pharmacy 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.

Physician Assistant Honor Society

The Pi Alpha Honor Society is the national physician assistant honor society established in 2003 by the Physician Assistant Education Association (PAEA) to promote and recognize PA students for academic excellence and leadership skills, professionalism, research and service to the profession and the medical community. Student membership is awarded on a competitive basis to graduating seniors with a GPA of 3.5 or higher and possession of service or research qualifications.

Clinical Laboratory Sciences Honor Society

The Sigma Upsilon Chapter of the Lambda Tau, the national clinical laboratory sciences honor society, was established to recognize outstanding academic achievement among students, to develop a spirit of cooperation and unity among the students entering this profession, to encourage research and to help develop the professional character of the profession itself and to interest other students in this profession. Juniors and seniors with a GPA of 3.0 or higher are eligible for induction into this honor society.

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
PHR 1000	0
TOTAL	16

Spring Semester

ENG 1100C*	3
THE 2000-2999	3
CHE 1120, 1121, 1122	4
MTH 1260	3
PHI 1000C	3
CPP 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
PHS 3504	3
PHS 2101	3
PHS 2201	4
PHS 2301	1
TOTAL	17

Third Year

Fall Semester

PHS 3601	4
PHS 3507	3
[PHS 3505	2]
[PHS 3506	2]
PAS 3301	3
CPP 3201	2
PHS 3602	1
PHS 3302	1
TOTAL	18

Spring Semester

PHS 3603	4
[PHS 3508	2]
[PHS 3509	2]
PHS 3510	3
CPP 3202	2
PHS 3604	1
PHS 3303	1
Elective	2
TOTAL	17

Note: *These courses will be taught both semesters.

Fourth Year

Fall Semester

[PHR 4105	4]
[PHR 4109	3]
[PHR 4110	3]
PHS 4601	3
CPP 4301	2
PHR 4201	1
TOX 5301	2

TOTAL 18

Spring Semester

[PHR 4107	3]
[PHR 4111	3]
[PHR 4112	4]
PHS 4602	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 APPE's.

Spring Semester

Module Rotations	12
CPP 5202	4

TOTAL 16

Sixth Year

Fall Semester

Module Rotations	15
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There are a total of nine APPE 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 5412 Key Concepts in the Provision of Pharmacist-Delivered Care
2. CPP 5413 Advanced Community Pharmacy
3. CPP 5414 General Inpatient Care
4. CPP 5407 Ambulatory Care Clerkship
5. CPP 5415 Specialty Inpatient Care

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 6101	2
Professional Elective	3
Professional Elective	3

TOTAL 14

Clinical Laboratory Sciences

(Minimum of 138 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
MTH 1250C	3
CHE 1110, 1111, 1112	4
BIO 2000	3
BIO 2001	1
DNY 1000C	3

TOTAL 17

Spring Semester

ENG 1100C	3
MTH 1260C	3
CHE 1120, 1121, 1122	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	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	3
PHS 3104	1
THE 3XXX	3
SPE 1000C	3
Language I or LAC 1000C	3

TOTAL 18

Spring Semester

Social Science Elective	3
PHS 3105	3
PHS 3101	3
PHS 2101	3
Language 2 or Fine Arts	3
HIS 1000C	3

TOTAL 18

Fourth Year

Summer Semester*

ALH 4140	2*
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Fall Semester

ALH 4151	3
ALH 4152	1
ALH 4153	2

ALH 4154	3
ALH 4155	4
ALH 4156	2
ALH 4157	2

TOTAL 17

Spring Semester

ALH 4161	3
ALH 4162	1
ALH 4163	2
ALH 4164	2
ALH 4165	4
ALH 4166	2
ALH 4167	2
ALH 4168	1

TOTAL 17

* STJ summer tuition applies

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 1250C	3
CHE 1210, 1211, 1212	5
BIO 2000	3
BIO 2001	1
DNY 1000C	3

TOTAL 18

Spring Semester

MTH 1260C	3
CHE 1220, 1221, 1222	5
TOX 1401	3
TOX 1402L	1
ENG 1100C	3

TOTAL 15

Second Year

Fall Semester

CHE 2230, 2231	5
PHY 1610, 1611, 1612	4
TOX 2403	3
PHS 3104	1
PHS 3103	3

TOTAL 16

Spring Semester

CHE 2240, 2241	5
PHY 1620, 1621, 1622	4
PHS 3105	3
PHI 1000C	3
THE 1000C	3

TOTAL 18

Third Year

Fall Semester

PHS 3101	3
TOX 3405	4
PHI 2200/2240	3
HIS 1000C	3
THE 2XXX	3

TOTAL 16

Spring Semester

PHS 2201	4
PHS 2301	1
TOX 3406	4
PHS 3509	2
THE 3XXX	3
Social Science Elective	3
TOTAL	17

Fourth Year**Fall Semester**

TOX 4413	3
TOX 4414	2
TOX 4404	4
TOX 4405	1
Language 1 or LAC 1000C	3
Research Options	
TOTAL	13-18

Spring Semester

TOX 4403	4
Language 2 or Fine Arts	3
TOX 4412	4
PHI 3000C	3
Research Options	
TOTAL	14-18

Radiologic Science

(Minimum of 128 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
DNY 100C	3
THE 1000C	3
PHI 1000C	3
SPE 1000C	3
TOTAL	15

Spring Semester

PAS 3402	3
ENG 1100	3
RAD 1101	2
MTH 1050	3
Soc. Sci.	3
HIS 1000C	3
TOTAL	17

Second Year**Fall Semester**

PHI 2200 or 2240	3
Language I or LAC 1000C	3
THE 2XXX	3
PAS 3401	3
PAS 4201	3
TOTAL	15

Spring Semester

General Elective	3
Language 2 or Fine Arts	3
THE 3XXX	3
PAS 4202	3
PHI 3000C	3
Gen. Elect.	3
TOTAL	18

Third Year**Fall Semester**

RAD 1103	2
RAD 1104	2
RAD 1106	4
RAD 1110	3
RAD 1114	3
RAD 1125	1
TOTAL	15

Spring Semester

RAD 1107	4
RAD 1111	3
RAD 1115	3
RAD 1131	1
RAD 1126	3
TOTAL	14

Summer Semester*

RAD 1129	4*
TOTAL	4

* STJ summer tuition applies

Fourth Year**Fall Semester**

RAD 2105	3
RAD 2108	4
RAD 2117	4
RAD 2124	1
RAD 2127	3
TOTAL	15

Spring Semester

RAD 2109	4
RAD 2123	4
RAD 2132	3
RAD 2133	1
RAD 2128	3
TOTAL	15

Physician Assistant

(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	Credits.
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**Fall Semester**

ALH 3201	1
ALH 3202	2
ALH 3203	4
ALH 3204	4
ALH 3205	4
TOTAL	15

Spring Semester

ALH 3206	4
ALH 3207	4
ALH 3208	1
ALH 3209	2
ALH 3210	2
ALH 3211	2
TOTAL	15

Fourth Year**Summer Semester ***

ALH 4201	3 *
ALH 4202	3 *
TOTAL	6

Fall Semester

ALH 4203	3
ALH 4204	3
ALH 4205	3
ALH 4206	3
TOTAL	12

Spring Semester

ALH 4207	3
ALH 4208	3
ALH 4209	3
ALH 4210	3
ALH 4211	0
TOTAL	12

* STJ summer tuition applies

Pharmacy Course Offerings (PHR)

1000 Introductory Seminar for Pharmacy Students

This mandatory seminar course will introduce all new students to the activities, responsibilities and requirements for students enrolled in Doctor of Pharmacy Program. During this course, areas such as an overview of the curriculum, advisement, experiential and academic service learning, professionalism and legal and technical standards required for degree completion will be presented. *Completion of this seminar is required for enrollment in CPP 1101 in the Spring semester. Lecture. Credit: 0 semester hour.*

4105 Drugs and Infectious Diseases

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the area of infectious diseases. 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.*

4107 Drugs and Diseases of the Respiratory Systems

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the area of respiratory 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.*

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; 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

Prerequisites: ALL required third-year course work. Corequisites: PHR 4105; PHR 4109; PHR 4110; PAS 4303. This laboratory will integrate the didactic coursework of the Drugs and Diseases courses and Extemporaneous Compounding and provide the student the opportunity to apply data in a simulated pharmacy setting. The student will assess patient findings, evaluate new prescription orders, and consider how these new orders will impact on current therapy, prepare the new order, and address any and all potential problems that are identified, and dispense the preparation to the patient. Additionally, students will learn to triage patients and assess the role of over-the-counter medications in light of other patient factors. *Laboratory: 3 hours. Credit: 1 semester hour.*

4202 Pharmacy Practice Laboratory IV

Prerequisites: ALL required third-year course work; PAS 4303. PHR 4201 Corequisites: PHR 4107; PHR 4111; PHR 4112. This laboratory will integrate the didactic course work of the Drugs and Diseases courses and Extemporaneous Compounding and provide the student the opportunity apply data in a simulated pharmacy setting. The student will assess patient findings, evaluate new prescription orders, and consider how these new orders will impact on current therapy, prepare the new order, and address any and all potential problems that are identified, and dispense the preparation to the patient. Additionally, students will learn to triage patients and assess the role of over-the-counter medications in light of other patient factors. *Laboratory: 3 hours. Credit: 1 semester hour.*

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 four 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 four 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

Prerequisites: ALL courses of the first three years. This course is designed to instruct the student in the area of neoplastic 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 therapeutics. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience.
Credit: 4 semester hours.

5201 Biomedical Laboratory IV

Prerequisites: ALL courses of the fourth year; PHR 4202. Corequisites: PHR 5108; PHR 5106; PHR 5107. Demonstration and experimentation of basic principles of medicinal chemistry, pharmacology, Toxicology, and biotechnology. *Laboratory: 3 hours. Credit: 1 semester hour.*

6101 Basic Concepts and Clinical Application of Nutraceuticals

Prerequisites: ALL courses through the fifth year. This course will address the basic issues of development, modes of administration, efficacy, and marketing of nutraceuticals—foods or parts of foods and chemical components of foods, which provide medical benefits including the prevention and/or treatment of disease. In addition, vitamins, minerals, and other dietary supplements will be discussed in terms of their role in contributing to or maintaining health. The role and status of herbal products, nutritional supplements and naturopathy as alternative therapies to mainstream medicine will also be covered.
Credit: 2 semester hours.

6102 Basic Concepts and Clinical Application of Nutraceuticals

Prerequisites: ALL courses through the fifth year. This course will address the basic issues of development, modes of administration, efficacy, and marketing of nutraceuticals – foods or parts of foods and chemical components of foods, which provide medical benefits including the prevention and/or treatment of disease. In addition, vitamins, minerals, and other dietary supplements will be discussed in terms of their role in contributing to or maintaining health. The role and status of herbal products, nutritional supplements and naturopathy as alternative therapies to mainstream medicine will also be covered.
Credit: 3 semester hours.

6103 Leadership Development in Pharmacy Practice

Prerequisites: All professional courses through the fifth year. This professional elective course provides leadership, professionalism and political advocacy development for pharmacy students. Students explore how they can become better leaders and advocates of change within the profession. Through the use of interactive lectures, self assessment exercises and group projects, students gain an understanding of leadership theory and advocacy skills that will be applied to current health care and pharmacy practice issues.
Lecture, 3 hours. Credit: 3 semester hours.

6104 Critical Care

Prerequisites: All courses through the fifth year. This course focuses on the therapeutic management of patients in the critical care setting. Emphasis will be placed on the pathophysiology of acute illnesses as well as on rational treatment modalities and therapeutic drug monitoring of critically ill patients. Each of the disease states and pharmacotherapeutic topics discussed will be reinforced through the use of related clinical care studies.
Credit: 3 semester hours.

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

Prerequisite: PHR 1000. This course is designed to provide the student with an overview of the pharmacy profession and contemporary practice issue. Focus is drawn to analysis of the attributes of the pharmacy profession, expectations and realities of a pharmacy student and pharmacist, and the concept of pharmaceutical care. Also, emerging and unique roles of the pharmacist on the health

care team is discussed. Given on a Pass/Fail basis. *Lecture. 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. *Elective. Credit: 2 semester hours.*

3201 Introduction to Pharmaceutical Care

Prerequisites: PHS 2101. This course is designed to introduce the student to the concept of pharmaceutical care. Pharmaceutical care embraces the concept of pharmacist-managed/patient-oriented pharmacy services directed at providing effective, safe, and cost effective drug therapy via outcomes monitoring and assessment. Selected disease states will be discussed with emphasis on pathophysiology and rational therapy and the development of an appropriate pharmacy care plan.
Credit: 2 semester hours.

3202 Experiential Pharmacy I

Prerequisites: CPP 3201; PAS 3301. This course is designed to transition the student from didactic training to experiential training; to allow the student to apply the skills and knowledge acquired thus far to the process of prescription preparation and the practice of patient care. The major goal of this course is to foster professionalism within the student, towards their patients, other healthcare professionals, and the profession and to apply didactic knowledge. The student will work under the supervision of pharmacy preceptors from affiliated practice sites who will assist them in the growth of their patient care skills and to guide them through the experiential process. This course will introduce the student to the medication dispensing process, including patient medication profiles, to drug use reviews/ evaluations, and to patient counseling in accordance to state and federal regulations guiding pharmacy practice. The student will also be exposed to the administrative, financial, and clinical activities that pharmacists routinely perform during the practice of the profession. *Experiential Hours: Total 104 experiential hours (one eight hour day per week for 13 weeks)*
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.*

3154 Community Health Advocacy and Outreach

Pre-requisites: All courses through the second year of study. This course explores the important role of pharmacists in community health. It provides a competency understanding of key concepts related to pharmacy initiatives for, and contributions to, patient advocacy,

education and outreach. Students will work together on assignments and engage in various community outreach programs, emphasizing the value of pharmacists participation in community health interventions. *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

Prerequisites: 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 will be discussed. The student will acquire the basic skills necessary for the provision of drug information through lectures, homework, and laboratory project assignments in the areas of drug information retrieval, drug literature evaluation, and quality assurance. *Laboratory: 1 hour.*
Credit: 2 semester hours.

4402 Literature Evaluation and Research Design

Prerequisite: CPP 4301. Literature evaluation and research design will provide the student with a basic understanding of appropriate research design and methodology, biostatistics, and reporting of results. The objective of this course is to provide the student with the skills and knowledge base to critically evaluate the primary literature and understand the practical implications of such literature.
Credit: 2 semester hours.

5202 Experiential Pharmacy II

Prerequisites: CPP 3202. This course will build upon Experiential Pharmacy I, transitioning and developing the skills of the student to become a more active participant in the healthcare delivery system for both the institutional and community settings. The goals of this course include continuing to develop professionalism within the student and applying the knowledge and skills gained thus far to the provision of patient care. The student, under the supervision of pharmacy preceptors from affiliated practice sites, will actively become involved in preparing prescriptions for the patient, utilizing and evaluating the patient medication profile, participating in quality assurance activities, and actively develop patient counseling skills. They will be exposed to all aspects of medication therapy management, including administrative, financial and clinical activities. *Experiential Hours: 208* hours experiential off-campus hours. Credit: 4 semester hours.*

**This is a longitudinal pharmacy practice learning experience. It will begin in fall of 4th year and must be completed by fall of 5th year. Scheduling of hours will be at the*

discretion of the pharmacy preceptor from the affiliated pharmacy practice sites and the student. A formalized schedule will be prepared by the College to assist with student scheduling.

5301 Clinical Applications of Pharmacokinetics and Pharmacodynamics

Prerequisite: PHS 4601. 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.*

5404 Elective I Clerkship

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. This rotation will introduce 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. This rotation may involve direct interaction with patients, may involve managerial aspects of pharmacy practice or research pertaining to pharmacy practice. *Credit: 3 semester hours.*

5407 Ambulatory Care Clerkship

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. This course is an experiential rotation that is intended to expose the student to various aspects of clinical pharmacy practice in the inpatient setting. Under the direct guidance of an approved preceptor, the student will function as an integral member of the health care team by providing pharmaceutical services to ambulatory patients in accordance with the concept of total patient care. The clinical activities will emphasize the development of the pharmacist-patient relationship and will include various aspects of preventative medicine, patient education, and outcomes assessment. *Credit: 3 semester hours.*

5408 Elective II Clerkship

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. This rotation will introduce 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. This rotation may involve managerial aspects of pharmacy practice or research pertaining to pharmacy practice. *Credit: 3 semester hours.*

5409 Elective III Clerkship

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of

the competency examination. This rotation will introduce 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. This rotation may involve managerial aspects of pharmacy practice or research pertaining to pharmacy practice. *Credit: 3 semester hours.*

5410 Elective IV Clerkship

Prerequisites: All required courses through the Fall of fifth year and successful completion of the competency 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. This rotation may involve managerial aspects of pharmacy practice or research pertaining to pharmacy practice. *Credit: 3 semester hours.*

5412 APPE Key Concepts of Pharmacist-Delivered Care

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. During this advanced pharmacy practice experience (APPE), the student will transition from Introductory Pharmacy Practice Experiences (IPPE's) to APPEs. Students will build upon the knowledge and skills acquired during their IPPE training, to provide patient-centered care in any direct patient care setting. Students are expected to provide this care in collaboration with the patient, their preceptor and healthcare providers. Students will utilize resources of the health care system to maximize therapeutic outcomes and medication use. Emphasis will be placed on further refining the student's care planning process, drug information skills and medication safety concepts in a direct patient care setting. *Credit: 3 semester hours.*

5413 Advanced Community Pharmacy

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. During this advanced practice experience (APPE), the student will continue to demonstrate the skills to provide pharmacist-delivered patient-centered care in the community pharmacy setting. Students are expected to be active members of the healthcare team by participating in medication therapy management services, patient education, health screening/monitoring, and other advanced clinical services offered at the site. Emphasis will be placed on communication skills, patient education, and the pharmacist's role in maximizing population-based therapeutic outcomes including disease prevention and wellness.
Credit: 3 semester hours.

5414 General Inpatient Care

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. During this advanced pharmacy practice experience (APPE),

the student will continue to develop and demonstrate the necessary skills to provide pharmacist-delivered patient-centered care in a general inpatient care setting. Students are expected to provide this care in collaboration with the patient, their preceptor and healthcare providers. Students will utilize resources of the health care system to maximize therapeutic outcomes and medication use in a diverse inpatient population. Emphasis will be placed on pharmacist-patient-health care provider relationships, promoting the safe use of medications, developing appropriate patient care plans, communication skills and ensuring continuity of care. *Credit: 3 semester hours.*

5415 Specialty Inpatient Care

Prerequisites: ALL required courses through the Fall of fifth year and successful completion of the competency examination. During this advanced pharmacy practice experience (APPE), the student will continue to develop and demonstrate the necessary skills to provide pharmacist-delivered patient-centered care focusing on a specific inpatient population. Students are expected to provide this care in collaboration with the patient, their preceptor and healthcare providers. Students will utilize resources of the health care system to maximize therapeutic outcomes and medication use in this population. Emphasis will be placed on pharmacist-patient-health care provider relationships, promoting the safe use of medications, developing appropriate patient care plans, communication skills and ensuring continuity of care. *Credit: 3 semester hours.*

6101 Case Studies in Drugs and Diseases Issues in Pharmaceutical Care

Prerequisites: ALL courses through fifth year. This course is a patient case based interactive learning experience designed to strengthen the student's ability to provide pharmaceutical care. The cases discussed will cover particular therapeutic dilemmas or challenges and reflect current treatment guidelines. Emphasis will be placed on patient assessment and development of a pharmaceutical care plan. *Credit: 3 semester hours.*

6102 Prevention and Management of Drug Induced Diseases

Prerequisites: ALL courses through fifth year. A general understanding of adverse drug events including monitoring, evaluating, preventing, and managing these events will provide a basis for organ system specific drug induced disease issues. Drug activity effecting untoward biochemical enzymatic changes related to cellular, organ, and system functions will be explored. Topics to be emphasized will include blood dyscrasias, neurologic, dysfunction, as well as undesirable drug effects on the gastrointestinal, hepatic, renal, dermal, and other systems. *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. The 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 predominately 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. *Elective. Credit: 3 semester hours.*

6105 Contemporary Community Pharmacy Practice

Prerequisites: ALL courses through 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 pharmacist as an ambulatory care provider and integral part of the health care team. *Elective. Credit: 3 semester hours.*

6106 Advanced Concepts in the Management of Allergy and Immunologic Diseases

Prerequisites: ALL courses through the fall of sixth 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 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. *Elective. Credit: 3 semester hours.*

6107 Pharmacotherapy of Autoimmune Disorders

Prerequisites: ALL courses through fall of 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. *Elective. Credit: 3 semester hours.*

6108 Pediatric Pharmacotherapy

Prerequisites: PHR 4105; 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. *Elective. Credit: 3 semester hours.*

6109 Competency 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. *Elective. Credit: 3 semester hours.*

6110 Advanced Topics in Infectious Disease

Prerequisite: PHR 4105 (D and 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.*

6111 Pharmacotherapy of Psychiatric Disorders

Prerequisites: All professional courses through the fifth year. Students taking this course will learn advanced principles in the therapeutic management of psychiatric disorders. This course is designed to expand on the principles learned in the Drugs and Diseases course. The student will learn about special topics in the treatment of schizophrenia, major depressive disorder, bipolar disorder and anxiety disorders. Treatment guidelines as well as other factors influencing pharmacotherapy will be discussed. The didactic component of the course will be supplemented with active learning activities including case studies and student presentations. *Lecture, 3 hours. Credit: 3 semester hours.*

6112 Advanced Therapeutic Management of Oncology Patients

Prerequisites: All courses through the fifth year. This is an advanced-level course focusing on the therapeutic management of cancer patients. A competency list of oncology-related topics will be covered with a goal to develop advanced clinical skills and competencies necessary for pharmacists to provide care to cancer patients. This course is designed to improve independent and active learning abilities enabling students to advance their knowledge, understanding and skills in managing the complex clinical issues facing cancer patients. *Credit: 3 semester hours.*

6113 Advanced Education in Patients with Diabetes

Prerequisites: All courses through the 5th year of study.

This course is designed to provide students the opportunity to learn in-depth knowledge of diabetes through didactic and hands-on learning. A competency list of diabetes-related topics will be covered with a goal to develop advanced clinical skills and competencies necessary for pharmacists to provide advanced care and education to patients with diabetes. A service-learning component will be incorporated into the course. *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.

The following are PHS courses:

2101 Public Health

Prerequisite: BIO 2000. All aspects of public health including organizations, administration, environmental social health problems will be discussed. The study of epidemiology and disease control will be emphasized. *Credit: 3 semester hours.*

2201 Biopharmaceutical Chemistry/Biotechnology

Prerequisites: CHE 1110, 1111, 1112; CHE 1120, 1121, 1122; CHE 1130, 1131, 1132; BIO 2000. *Corequisites:* PHS 2301. The course is an intermediate level undergraduate biochemistry and molecular biology lecture course. The Chemistry of macromolecules, i.e. proteins, lipids assemblies, nucleic acids, and polysaccharides, enzymology, an introduction to metabolic pathways to energy utilization in cells is

the bulk of the material. In addition, the fundamental biochemical notions of nucleic acid metabolism, including DNA replication and repair mechanisms, RNA, and protein synthesis is covered. Vitamins and trace metals are discussed from the standpoint of their role in enzymatic reactions and metabolic sequences, and where possible related to health consequences. Lecture. *Credit: 4 semester hours.*

2301 Biomedical Laboratory I

Prerequisites: CHE 1110, 1111, 1112; CHE 1120, 1121, 1122; CHE 1130, 1131, 1132; BIO 2000. *Corequisites:* PHS 2201. Demonstration and experimentation of basic principles of pharmaceutical biochemistry and biotechnology. *Laboratory: 3 hours. Credit: 1 semester hour.*

3101 Introduction to Pathology (for allied health and toxicology 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. *Credit: 3 semester hours.*

3103 Human Anatomy and Physiology I (for allied health and toxicology students)

Corequisite: PHS 3104. 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 and toxicology students)

Corequisite: PHS 3103. 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 and toxicology students)

Prerequisite: PHS 3103, 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.*

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.*

3302 Biomedical Laboratory II (for pharmacy students)

Prerequisite: PHS 2301; PHS 3504. *Corequisites:* PHS 3504; PHS 3506; PHS 3507. Demonstration and experimentation of basic principles of human anatomy and physiology, microbiology, immunology, and biotechnology. *Laboratory: 3 hours. Credit: 1 semester hour.*

3303 Biomedical Laboratory III (for pharmacy students)

Prerequisites: PHS 2301; PHS 3302. *Corequisites:* PHS 3508; PHS 3509. Demonstration and experimentation of basic principles of medicinal chemistry, pharmacology, toxicology, and biotechnology. *Laboratory: 3 hours. Credit: 1 semester hour.*

3504 Human Anatomy and Physiology I (for pharmacy students)

Prerequisites: BIO 2000; PHS 2201. A study of the structure and function of the major body systems: molecular aspects of cell biology, cell physiology, cell structure and organization, tissues, integumentary, musculoskeletal, cardiovascular, lymphatic, respiratory, and digestive systems. *Credit: 3 semester hours.*

3505 Clinical Immunology

Prerequisites: BIO 2000; PHS 2201; PHS 2101. A study of the lymphatic system, immune response, and immunity in humans. Principles of antibody-antigen relationship will be discussed. Special emphasis will be placed on molecular biology of the immune response, genes controlling antibody synthesis, its development, function, and immunopathology will be discussed. Methods of detection of immunogenic molecules and immunotherapy will also be discussed. *Credit: 2 semester hours.*

3506 Introduction to Infectious Diseases

Prerequisites: BIO 2000; PHS 2201; PHS 2101. A study of the general microbial concepts, principles of infectious disease, and host parasite relationships. Special emphasis will be placed on pathogenic microorganisms of man, inflammatory responses to infectious agents and clinical aspects of infections. *Credit: 2 credit hours.*

3507 Human Anatomy and Physiology II (for pharmacy students)

Prerequisites: PHS 2201; PHS 2301; PHS 3504. *Corequisite:* PHS 3302. A study of the structure and function of the major body systems: nervous, endocrine, urinary, body fluids and electrolytes, reproductive system. *Credit: 3 semester hours.*

3508 Introduction to Medicinal Chemistry

Prerequisites: PHS 2201; PHS 2301; PHS 3302. *Corequisites:* PHS 3303. This course will introduce the student to the specific principles, which are fundamental to medicinal chemistry and foundation to the integration of this basic pharmaceutical science into therapeutics. Specifically, the course will introduce the student to the various drug categories with particular emphasis on chemical nomenclature,

physicochemical properties and chemical aspects of the dynamics of drug action.
Credit: 2 semester hours.

3509 Introduction to Pharmacology

Prerequisites: PHS 2201; PHS 3504; PHS 3507; PHS 2301; PHS 3302. *Corequisites:* PHS 3303. This course will introduce the student to the scientific principles, which are fundamental to pharmacology and foundational to the integration of this basic pharmaceutical science into therapeutics. Specifically the course will introduce the student to the various drug categories and their mechanism of action including receptor interactions and the dynamics of drug action.
Credit: 2 semester hours.

3510 General Pathology and Clinical Laboratory Data

Prerequisites: PHS 2101; PHS 3504; PHS 3505; PHS 3506; PHS 3507; PHS 3302. *Corequisites:* PHS 3303. A detailed study of the basic principles involving the mechanisms of disease are discussed. Special emphasis will be placed on degeneration, inflammation and repair, disturbances in hemodynamics, developmental defects and neoplasia. Clinical correlates will be covered with respect to laboratory data. *Credit: 3 semester hours.*

3601 Pharmaceutics I

Prerequisites: MTH 1250; MTH 1260; CHE 1110, 1111, 1112, CHE 1120, 1121, 1122, CHE 1130, 1131, 1132; BIO 2000. *Corequisite:* PHS 3602. Pharmaceutics is the applied science and technology of pharmacy and is based upon the physical, chemical, and biological principles used in the preparation, preservation, and utilization of drug products and/or pharmaceutical dosage forms. The first semester concentrates on the specific physical, chemical, and biological principles that govern homogeneous liquid dosage forms. The course integrates fundamentals and theory with the pharmaceutical dosage forms to which they best apply. This course also delineates methods and procedures essential to solving the mathematical problems typically associated with pharmacy practice. *Credit: 4 semester hours.*

3602 Pharmacy Practice Laboratory I

Corequisite: PHS 3601. This laboratory course enables the student to correlate the principles and theory with experimental observation of homogeneous systems and affords the opportunity to become familiar with the apparatus and techniques of measurement. Upon completion of the laboratory course, the student should be able to apply the important principles of pharmaceutical science and technology and to use the techniques in the preparation of stable homogeneous liquid dosage forms. *Laboratory: 3 hours. Credit: 1 semester hour.*

3603 Pharmaceutics II

Prerequisites: PHS 3601; PHS 3602. *Corequisite:* PHS 3604. Pharmaceutics is the applied science and technology of pharmacy and is based upon the physical, chemical, and biological principles used in the preparation, preservation, and utilization of drug products and/or pharmaceutical dosage forms. The second semester concentrates on the specific physical, chemical, and biological principles that govern heterogeneous fluid, semi-solid, and solid systems. The course integrates fundamentals and theory with the pharmaceutical dosage forms to which they best apply. Students are also introduced to the concepts of degradation of pharmaceutical products, pathways of degradation, factors affecting drug stability, approaches to maximize stability of a product.
Credit: 4 semester hours.

3604 Pharmacy Practice Laboratory II

Prerequisites: PHS 3601; PHS 3602. *Corequisite:* PHS 3603. This laboratory enables the student to correlate the principles and theory with experimental observation of heterogeneous systems. Upon completion of the laboratory course, the student should be able to apply the important physicochemical principles of pharmaceutical science and technology and to use the apparatus and techniques in the preparation of stable heterogeneous dosage forms. *Laboratory: 3 hours. Credit: 1 semester hour.*

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.*

4601 Extemporaneous Compounding

Prerequisites: PHS 3603; PHS 3604; *Corequisite:* PHR 4201. Extemporaneous compounding is the preparation of a medication for an individual patient following receipt of a legal order (prescription) from a prescriber. The course is structured to provide the students training and expertise to ascertain the quality, safety, and technique required to compound and dispense the prescription in community and institutional pharmacy practice. *Credit: 3 semester hours.*

4602 Biopharmaceutics and Basic Pharmacokinetics

Prerequisites: PHS 3603; PHS 3604. 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.

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.*

6207 Contemporary Parenteral Practice

Prerequisites: PHS 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.*

6209 Drug Delivery and Targeting

Prerequisites: PHS 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: PHS 4303, 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.*

Toxicology (TOX)

The following courses are TOX courses:

1401 Toxicogenomics

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 toxicogenomics. 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 Toxicogenomics 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 support 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 Toxicogenomics course. 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.*

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..*

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.*

4404 Pharmacologic Toxicology

Prerequisites: PHS 3509, 3405, 2201. 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: 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. *Corequisites:* 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. *Corequisites:* 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 Administration and Health Sciences Course Offerings (PAH)

Wenchen Wu, R. Ph., M.B.A., Ph.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 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.

Health Sciences Course Offerings (ALH)

Objectives

To provide a strong foundation in the basic allied health and the necessary tools to work in selected health sciences.

The following courses are ALH courses:

1201 Introduction to Health Care

Problems in the development of competency 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 Clinical Laboratory Sciences

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.*

3201 Professional and Behavioral Medicine

Prerequisite: All prerequisite courses to the junior and senior years of the PA program. This course is designed to introduce the PA student to ethical principles of the medical profession and the role of the Physician Assistant as a member of the health care team. The course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Teaching emphasis will be sequential methods of instruction relevant to the history of the PA profession, role development, medical-legal-ethical issues and cultural diversity. Emphasis is placed on case-based ethical dilemmas, contemporary ethical-legal issues, ethical debates and the development of qualities, behaviors, attitudes

and values essential to providing ethical and compassionate patient care. *Lecture, Credit: 1 semester hour.*

3202 Medical Assessment

Prerequisite: All prerequisite courses to the junior and senior years of the PA program. This course is designed to introduce the PA student to various diagnostic imaging studies, clinical chemistry theory and laboratory assessment. Emphasis is placed on indications for diagnostic testing, characteristics of specific procedures, interpretation of laboratory or imaging results and the techniques, advantages, disadvantages, benefits and risks of various procedures. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on case-based clinical assessment, association of abnormal laboratory and imaging results with specific diseases, and the correlation of enzymes to body systems and organ dysfunction. *Lecture, Credit: 2 semester hours.*

3203 Clinical Medicine 1

Prerequisite: All prerequisite courses to the junior and senior years of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in immunology, dermatology, ophthalmology, otolaryngology and pulmonology. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Lecture, Credit: 4 semester hours.*

3204 Clinical Medicine 2

Prerequisite: All prerequisite courses to the junior and senior years of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in cardiology, gastroenterology, endocrinology, hematology, oncology, nephrology and urology. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Lecture, Credit: 4 semester hours.*

3205 Competency Health History and Physical Diagnosis

This course is designed to develop the cognitive, psychomotor and affective attributes in the PA student for identifying and describing normal human anatomy, recognizing normal vs. pathological clinical manifestations, obtaining a medical history, performing a screening physical examination and recording findings as medical-legal documents. Teaching emphasis will be a sequential method of instruction relevant to the structure and function of body systems, common pathophysiology and clinical manifestations and physical examination demonstration. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on communication skills, cultural competency, professionalism and standardization of medical record documentation. Students will demonstrate acquisition of skills during supervised hospital visits and practical examinations, and will begin to incorporate assessment and management plans into patient care. *Lecture, 4 hours. Credit: 4 semester hours.*

3206 Clinical Medicine 3

Prerequisite: All prerequisite courses and fall courses in the junior and senior years of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in neurology, cardiology, infectious disease, obstetrics and gynecology. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on electrocardiogram interpretation, case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Lecture, Credit: 4 semester hours.*

3207 Clinical Medicine 4

Prerequisite: All prerequisite courses and fall courses in the junior and senior years of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in rheumatology, orthopedics, psychiatry and community medicine. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on special procedures in diagnostic imaging, as well as promotion, prevention,

maintenance, and protection of health and wellness of individuals and communities to include social and economic determinants of health and common medical problems that are frequently encountered in urban settings. Teaching will also utilize case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Lecture, Credit: 4 semester hours.*

3208 Case-Enhanced Focused Health History and Physical Diagnosis

Prerequisite: All prerequisite courses and fall courses in the junior and senior years of the PA program. This course is designed to build on the knowledge gained in HHPD 1 to facilitate the PA student in refining their skills in performing focused, problem-based histories and physical examinations. Teaching emphasis will be a sequential method of instruction integrated with concurrent medical lecture in having students form accurate, logical and relevant differential diagnoses, performing proper diagnostic assessment and developing therapeutic plans for specific patient complaints. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Students will demonstrate acquisition of skills during supervised hospital visits and practical examinations. *Lecture, Credit: 1 semester hour.*

3209 Emergency Medicine

Prerequisite: All prerequisite courses and fall courses in the junior and senior years of the PA program. This course is designed to instruct the PA student in the emergency department approach to medical care, including triage techniques, prioritization and consultation relevant to a variety of patient conditions. The student will incorporate knowledge of the epidemiology, etiology, pathophysiology, clinical manifestations, diagnostics and management of disease states to treat focused emergency problems. Emphasis will be placed on recognizing and treating conditions that are potentially life-threatening requiring urgent or emergent intervention inclusive of emergency techniques. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Lecture, Credit: 2 semester hours.*

3210 Geriatric and Pediatric Medicine

Prerequisite: All prerequisite courses and fall courses in the junior and senior years of the PA program. This course is designed to introduce the PA student to the variable structures and functions of organ systems throughout the human lifespan, and medical and behavioral problems unique to pediatric and geriatric populations. Emphasis is placed on the behavioral and infectious conditions encountered in pediatric and geriatric clinical practice, and on patient, parental and caregiver education in regards to vaccinations, health care maintenance, safety and anticipatory guidance, long-term care facilities and home

care. Specifically, it will provide an overview of the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, complications and prognoses of selected pediatric and geriatric conditions. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Lecture, Credit: 2 semester hours.*

3211 General Surgery

Prerequisite: All prerequisite courses and fall courses in the junior and senior years of the PA program. This course is designed to introduce students to the concepts of surgical diagnosis and treatment, building on the student's integrated foundation of clinical medicine, laboratory medicine, diagnostic imaging and pharmacological applications. The student will learn to recognize diseases that require surgical intervention, formulate surgical diagnoses and identify relevant surgical treatments. Emphasis will be placed on the role of the Physician Assistant in the pre-operative, operative and post-operative management of surgical patients. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. The student will also become competent in performing various medical-surgical procedures. *Lecture, Credit: 2 semester hours.*

4201 Emergency Medicine

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a hospital or urgent care ambulatory setting. The student will be introduced to the triage system to learn and develop the skills necessary to perform the primary survey and stabilization of patients in the acute setting. The student will perform focused history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for adult and pediatric patients with urgent or emergent conditions, as well as provide ambulatory or "fast-track" care. This includes diagnostic testing, medications and non-pharmacological treatment interventions. The student will also demonstrate and perform practical medical-surgical procedures including CPR and BCLS skills. The student will recognize the need for consultation and referral in provision of cost-effective urgent and emergent care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance, with an emphasis on health literacy issues. *Rotation, 200 hours. Credit: 3 semester hours.*

4202 Clinical Obstetrics and Gynecology Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a hospital inpatient or ambulatory setting, which may include outpatient, emergency room, or office-based clinical duties of gynecological or obstetrical patients. The

student will perform competency history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with gynecological and obstetrical conditions. This will include diagnostic testing, medications and non-pharmacological treatment interventions, including recognizing the need for consultation and referral. Experiential learning will include provision of cost-effective adult medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on health literacy issues. The student may have the opportunity to participate in surgical gynecological or obstetrical procedures. *Rotation, 200 hours. Credit: 3 semester hours.*

4203 Clinical Orthopedic Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a hospital, ambulatory or office-based orthopedic setting. The student will perform competency history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for acute and chronic problems in orthopedic patients across all age groups. This rotation may include surgical management including pre-operative, intra-operative, and post-operative orthopedic care. Students will order diagnostic tests and medications and recommend non-pharmacological treatment interventions for the orthopedic patient. The student will demonstrate and perform practical splinting, casting, and surgical procedures and skills. The student will recognize the need for consultation and referral in provision of cost-effective orthopedic care, including acute and chronic disease management, health promotion and safety, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on cast/ immobilization techniques, safety and health literacy issues. *Rotation, 200 hours. Credit: 3 semester hours.*

4204 Clinical Pediatrics Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a hospital or office-based pediatric setting. The student will perform competency history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for pediatric patients with acute and chronic pediatric problems and well child visits and school/camp exams. This will include diagnostic testing, medications and non-pharmacological treatment interventions. The student will recognize the need for consultation and referral in provision of cost-effective infant, pediatric, and adolescent medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare

maintenance. The student will provide patient education with an emphasis on growth and development and health literacy issues.
Rotation, 200 hours. Credit: 3 semester hours.

4205 Clinical Primary Care 1 Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in an ambulatory or outpatient hospital or office-based primary care medical setting. The student will perform competency history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with acute and chronic medical problems, including diagnostic tests, medications and non-pharmacological treatment interventions. The student will recognize the need for consultation and referral, transfer to an emergency or acute care setting in provision of cost-effective medical care, including acute and chronic disease management, health promotion, and patient education. The student will provide patient education, disease prevention and routine healthcare maintenance across all age groups with an emphasis on health literacy issues.
Rotation, 200 hours. Credit: 3 semester hours.

4206 Elective Clinical Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a specialty of the student's choice that may take place in a hospital or office-based setting. Elective rotations include but are not limited to the following: cardiology, gastroenterology, infectious disease, psychiatry, pulmonology, heme-oncology, critical care, dermatology, occupational medicine, gay and lesbian health, and the physically and mentally challenged. The student will perform competency or focused history and physical exams, generate differential diagnoses and develop treatment plans for patients with acute and chronic problems. This will include diagnostic tests, medications and non-pharmacological treatment interventions. The student will become familiar with the need and role of consultation and referral of patients, transfer to an emergency or acute care setting in the clinical setting through provision of cost-effective care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on health literacy issues across all age groups as applicable to clinical site.
Rotation, 200 hours. Credit: 3 semester hours.

4207 Clinical Surgical Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a hospital inpatient setting, which may include outpatient or office-based clinical duties. Student responsibilities include: performance of history and physical

exams, formulation of differential diagnoses, therapeutic treatment plans across all age groups for patients with surgical problems, including pre-operative, intra-operative, and post-operative care. The clinical experience will also include ordering of diagnostic tests, medications and non-pharmacological treatment interventions and performance of diagnostic laboratory tests, and participation in surgical procedures (operating room).
Rotation, 200 hours/on call required. Credit: 3 semester hours.

4208 Clinical Geriatrics/Long Term Care Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation in a hospital or office-based geriatric setting. The student will perform competency and focused history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for adult and geriatric patients with medical or surgical conditions. This includes diagnostic tests, medications and non-pharmacological treatment interventions, while under the supervision of the preceptor. The student will recognize the need for consultation and referral, in provision of cost-effective geriatric care, including acute and chronic disease management, health promotion, health maintenance and disease prevention. The student will provide patient education with an emphasis on health literacy issues.
Rotation, 200 hours. Credit: 3 semester hours.

4209 Clinical Primary Care 2 Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week rotation that continues the educational and experiential learning of the Primary Care 1 course in an ambulatory or outpatient hospital or office-based primary care medical setting for an additional five-week rotation. The student will perform competency history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with acute and chronic medical problems. This will include diagnostic tests, medications and non-pharmacological treatment interventions. The student will recognize the need for consultation and referral, transfer to an emergency or acute care setting in provision of cost-effective medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education, disease prevention and routine healthcare maintenance across all age groups with an emphasis on health literacy issues.
Rotation, 200 hours. Credit: 3 semester hours.

4210 Clinical Internal Medicine Rotation

Prerequisites: All required didactic year classes and successful completion of competency examinations. This course is a five-week

rotation in a hospital or office-based internal medicine setting. The student will perform competency history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with acute and chronic medical problems. The clinical experience will include diagnostic testing, medications and non-pharmacological treatment interventions including patient education with an emphasis on health literacy issues across all age groups. The student will learn to recognize the need for consultation and referral in provision of cost-effective adult medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance.
Rotation, 200 hours. Credit: 3 semester hours.

4211 Senior Competencies Component

Prerequisites: All required didactic year classes and successful completion of competency examinations. This is a course is designed to supplement the clinical experience of the Physician Assistant student with appropriate learning sessions on callback days. While on clinical rotations, students will be performing competency or focused history and physical examinations, generating differential diagnoses, ordering and interpreting laboratory and imaging studies and developing treatment plans for patients with acute and chronic problems under the supervision of the preceptor. Emphasis is placed on cost-effective care, disease management and health promotion, disease prevention and routine healthcare maintenance. The student will gain and apply knowledge regarding epidemiology, risk factors, etiology, pathophysiology, clinical manifestations and the clinical assessment of medical and surgical diseases. Learning sessions on call back days are designed to augment student's knowledge and further develop and perfect their history taking, physical examination and procedural skills.
Lecture. Credit: 0.

4140 Transition to the Clinical Laboratory (CLS)

This course will introduce the student to the standards, functions, and procedures of clinical laboratory practice. The course will include the history of medical technology at this university, a history of the profession, HIPAA and safety regulations, spectrophotometry, quality control (including standards, controls, etc), universal precautions, the professional code of ethics, phlebotomy and an introduction to hematology, microbiology, mycology, urinalysis, and immunohematology.
Lecture, 2 hours. Credit: 2 semester hours.

4151 Clinical Bacteriology I (CLS)

The various classes of antibiotics are introduced to the student. Different types of susceptibility testing using manual and automated methodologies are presented. Discussion of bacteria implicated in human infections is begun. Gram positive organisms such as *Staphylococcus*, *Streptococcus*, *Corynebacterium* and *Bacillus* are discussed

both in diseases caused and identification methods used in the clinical microbiology laboratory. Discussion of Gram negative bacteria such as *Haemophilus* and *Neisseria* are also included. Discussion of the biochemical tests involved in the identification of the Enterobacteriaceae is begun. The application of these tests a means to identify these organisms is presented. The diseases caused by these organisms is also included and discussed. *Lecture, 3 hours. Credit: 3 semester hours.*

4152 Clinical Immunology I (CLS)

This course is composed of the study of cellular and antigen-antibody reaction. Also covered are the types of immunity and factors associated with immunologic disease. Antibody synthesis and function are introduced. Functions of the various cellular components are also discussed including T and B lymphocytes and plasma cells. Discussion will also include a description of various other types of nonspecific mediators of the immune system. An overview of molecular diagnostics is presented (each course covers its own molecular diagnostics theory) and the latest laboratory testing methods are presented to the student. *Lecture, 1 hour. Credit: 1 semester hour..*

4153 Clinical Immunohematology I (CLS)

This course will begin with a review of the immunology as applied to Immunohematology such as antigens, immunoglobulins and blood antibodies. Also discussed are ABO and Rh typing and antiglobulin testing. Other major blood group antigens (Kell, Lewis, etc.) and rare blood groups (Colton, Diego, etc.) are introduced. Other topics include compatibility testing, crossmatching and antibody identification. Laboratory methodologies used in Immunohematology are also covered. *Lecture, 2 hours. Credit: 2 semester hours.*

4154 Clinical Hematology I (CLS)

This course is designed to present the students with the theory of blood and bone marrow formation and diseases related to these cells. The erythrocytic and leukocytic cell series are explored in relation to their development, maturation, function and identification. Through the use of audiovisuals and microscope work, identification of each cell type is discussed and abnormal cells reviewed as to composition and related diseases. The course covers iron metabolism, absorption, transport, and storage. The synthesis of hemoglobin for both normal and abnormal varieties as well as electrophoresis and other identifying methodologies are explained and the various instruments used in the study of hematology are taught. Students are exposed to all the various procedures the laboratories perform including the maintenance and troubleshooting of instrumentation. The mechanisms of hemostasis including blood vessels, platelets, and fibrinolysis are discussed. The structure of blood vessels and their relationship to hemostasis is covered. Platelet formation, maturation and function

will be discussed as well as qualitative and quantitative disorders. The course will include factors involved in the coagulation cascade and include tests used in the laboratory to diagnose disorders of hemostasis. The students will perform these procedures in the hospital laboratory. *Lecture, 3 hours. Credit: 3 semester hour.*

4155 Application, Analysis and Lab Practice in Clinical Chemistry I (CLS)

The course is designed to introduce the students to clinical chemistry theory and laboratory practice. It is the study of serum and other body fluids by biochemical analysis using the latest instrumentation for the test procedures. The course discusses laboratory calculations, principles of photometry; nephelometry, chemiluminescence, fluorometry and "tagged assays," electrolytes, trace elements and mineral metabolism. Principles of EIA, instrumentation concepts and discussion commonly used analyzers in the clinical lab are also presented. Classification of enzymes in relation to body organs, clinical significance of the test used and factors affecting the testing will be covered. Structure and function of lipids and lipoproteins, methods used to analyze these products will be examined. Cholesterol utilization and formation including HDL and LDL and triglycerides will be covered along with laboratory analysis. This course requires the students to perform all analysis on the instruments and analysis listed above. *Lecture, 4 hours. Credit: 4 semester hours..*

4156 Urinalysis and Body Fluids I (CLS)

This course will address the structure and function of the kidney in its role in the formulation of urine. Routine urinalysis tests will be discussed for each analyte found in the urine specimen utilizing both manual and automated testing procedures. Metabolic disorders requiring special tests will also be covered. Kodachrome slides and CD Rom will be used for the microscopic analysis of casts, cells, crystals and other miscellaneous particles seen in sediment. *Lecture, 2 hours. Credit: 2 semester hours.*

4157 Mycology and Parasitology I (CLS)

The course will introduce the student to the classification of those parasites that infect man. Preparation and examination of specimens will be discussed. Lectures will cover important parasites including the hemoflagellates such as *Leishmania* and *Trypanosoma*, trematodes infecting the intestine, liver lung, and blood and cestodes. The student will also be introduced to the glossary of terms used in the examination of specimens for fungal agents. Specimen collection, media for the isolation of these agents, staining used for microscopic examination and special procedures will be discussed. Lectures will cover those fungal agents that affect man including dermatophytes, superficial mycoses and subcutaneous mycoses. *Lecture, 2 hours. Credit: 2 semester hours.*

4161 Clinical Bacteriology II (CLS)

This course covers in depth the biochemical identification of other Gram negative organisms such as nonfermenting Gram negative rods and *Vibrio*. Anaerobic organism's role in disease as well as identification is also covered. Less frequently seen organisms such as the spirochetes and *Chlamydia* are also discussed. Mycobacteria and their differences in specimens processing, culturing, identification and staining are introduced. A brief review of clinical virology is also included. Discussion also includes application of molecular diagnostics to microbiology as well as immunodiagnostics that can be used to detect infectious diseases. *Lecture, 3 hours. Credit: 3 semester hours.*

4162 Clinical Immunology II (CLS)

This course will cover infectious and non-infectious diseases and those laboratory tests used for their diagnosis. The discussion will include the characteristics and principle of the test, importance of quality control and reference ranges and the advantages and limitations of each procedure. Some of the diseases covered will include syphilis, hepatitis, infectious mononucleosis, rheumatoid disorders, Lyme's disease and HIV. *Lecture, 1 hour. Credit: 1 semester hour .*

4163 Clinical Immunohematology II (CLS)

This course will cover red blood cell platelet preservation, metabolism, and current trends in their use. Donor selection, processing and component preparation will be introduced. Also discussed is the HLA system, hemolytic anemias and transfusion therapy and reactions. New concepts in molecular biology, safety, quality control and quality assurance will also be covered. *Lecture, 2 hours. Credit: 2 semester hours.*

4164 Clinical Hematology II (CLS)

The course will present to the students the various diseases of erythrocytes and Leukocytes to include all anemias, leukemias, lymphomas and other red cell and white cell disorders. Correlation between instrument results, microscopic analysis and medical information will enable the student to recognize and assess these conditions. Specific laboratory tests utilized for diagnosis of anemias and leukemias will be taught and results evaluated. Molecular detection and monitoring of hematologic malignancies will be presented in its use as a diagnostic tool for genetic/chromosome disorders. Students will perform and evaluate manual and automated Cell Profiles and differentials in the laboratory and compare the results obtained from each as well as all other procedures for special testing that is required of them. *Lecture, 2 hours. Credit: 2 semester hours.*

4165 Application, Analysis and Lab Practice in Clinical Chemistry II (CLS)

This course discusses the assessment of renal function, creatinine metabolism and renal control of acid-base balance and liver function tests for hepatitis, cirrhosis and

other liver disorders, bilirubin metabolism and analytical aspects of liver enzymes and their relation to specific organs of the body. The chemistry and metabolism of proteins along with various testing methodologies are analyzed. Carbohydrate metabolic disorders; analysis and diagnosis are discussed. The testing and analysis of toxic and therapeutic drugs including investigation of toxic agents, antibiotics, cardiac medication, analgesics, antidepressants, heavy metals, drugs of abuse and related testing methodologies are presented. Clinical aspects of hormones and receptors are discussed along with the testing methods. Molecular diagnostics will be covered where applicable. *Lecture, 4 hours. Credit: 4 semester hours.*

4166 Urinalysis and Body Fluids II (CLS)

This course includes the study of the diseases of the kidney to include: Acute and Chronic Renal Failure, Nephrotic Syndrome, Glomerulonephritis, and Pyelonephritis etc. The various fluids of the body will be discussed such as Cerebral Spinal Fluid, Pleural, Peritoneal etc. All tests used to diagnose conditions related to these diseases will be covered. *Lecture, 2 hours. Credit: 2 semester hours.*

4167 Mycology and Parasitology II (CLS)

This course will continue the introduction of the student various parasites that infect man. Emphasis will be on protozoa including amoeba, flagellates, ciliates, and coccidia. Staining of clinical material and important characteristics for diagnosis will be discussed. Diagnosis of malaria and microfilariae found in the blood will also be examined. Intestinal and tissue nematodes will be included in this course. Continuation of important fungal agents will also be included. These include the systemic fungi, yeast and yeast-like organisms and the Actinomycetes. Lastly, contaminants will be discussed as possible causes of opportunistic infections and their identification in the laboratory. *Lecture, 2 hours. Credit: 2 semester hours.*

4168 Clinical Education, Management and Research (CLS)

This course will introduce the student to educational methodologies used in clinical laboratory science program. Topics covered include in-service education, continuing education and laboratory interdepartmental rotation. Teaching mechanisms, objectives and testing methodologies will be discussed. Students are exposed to the management including various agencies accrediting the laboratory, financial management and reimbursement, staffing, job analysis and the role of human resources in laboratory management. The basics of research as applied to the clinical laboratory will also be discussed. Topics will include research protocols, adherence to the protocols, data collection methods and analyzing of results of data obtained. *Lecture, 1 hour. Credit: 1 semester hour.*

Pharmacy and Administrative Sciences (PAS)

The following courses are PAS courses:

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. Overview of economic principles, which may enhance the understanding of the theory underlying pharmacoeconomic analysis, will be integrated in this course. A special emphasis is also placed on applying the economic evaluation and quality of life concept to improve the allocation of limited health care resources. *Lecture. Credit: 3 semester hours.*

2301 Social Aspects of Pharmacy Practice

Prerequisites: CPP 1101. This course is designed to introduce the student to the social aspects of pharmacy practice. Important areas to be discussed include the pharmacy as a profession, professionalization of the student, and the image of pharmacist held by patients. The role of the pharmacist in various practice settings as related to patient care and interaction with other health care professionals will be explored. An overview of how the pharmacist plays a key element in drug therapy, drug product selection, and therapeutic interchange will also be discussed. Special emphasis will be placed on understanding the social aspects of drug use in today's society and the importance of providing pharmaceutical care to the patient. *Credit: 1 semester hour.*

3301 Pharmacy and The U.S. Health Care Environment

Prerequisite: PAS 2201. This course is designed to introduce the students to the U.S. health care delivery system and explore the social, political, and economic factors, which influence the flow of pharmaceutical products and services within the system. Special emphasis will be placed on the role and function of pharmacy in the new paradigm of ever-changing health care. An overview of the current structure and financing will be provided. Focus will be given to the public and private sectors of health care, the major players, the pharmaceutical industry, third party plans, and managed care. In addition, the role of the pharmacist in health promotion and disease prevention will be emphasized. *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

Prerequisite: 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. *Elective. Credit: 2 semester hours.*

3354 Contemporary Issues in Hospital Pharmacy

Corequisite: 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. *Elective. Credit: 2 semester hours.*

3355 Environment of Pharmaceutical Marketing

Prerequisites: PAS 2201; PAS 2301. This course is designed to provide the student with a thorough overview of marketing in the pharmaceutical industry. *Elective. Credit: 2 semester hours.*

3356 Quality Issues in Managed Care Pharmacy

Prerequisite: PAS 2301; 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. *Elective. Credit: 2 semester hours.*

3357 Computer and Pharmacy Data Management

Prerequisites: CPP 1101; 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. *Elective. Credit: 2 semester hours.*

3401 Personnel Management Issues in Health Care Institutions

The objective of this course is to develop skills in the Allied Health student to handle interpersonal issues confronted among and between professionals and the patients they serve in health care institutions. Because of the interdependent nature of leadership

and management across a spectrum of management process in health care institutions, this course incorporates application with theory and emphasizes critical thinking, problem solving, and decision making. Case studies and learning exercises will promote critical thinking and interactive discussion. Students will enhance their problem-solving skills by connecting real-life experiences to the content of the course. Content in key areas relevant to health care institutions, such as supervision, staffing, transformational leadership, motivation, delegation, organizational, political, and personal power, and time management will be strengthened. *Lecture, 3 hours. Credit: 3 semester hours.*

3402 U.S. Health Care Delivery

This course is designed so the radiologic scientist will understand the various methods of health care delivery to remain knowledgeable in the changing face of technology. The political context of health care organization and delivery, with specific focus on the mechanisms for policy formulation and implementation will be discussed. *Lecture, 3 hours. Credit: 3 semester hours.*

3951 Research in 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.*

4201 Health Care Law for Practitioners

This course is designed to introduce students to the legal issues that have an impact on the delivery of care in the American health care system and influence the ability of health care professionals to competently practice their professions. It will also survey current federal and New York State regulatory schemes governing the provision of health care. *Lecture, 3 hours. Credit: 3 semester hours.*

4202 Health Care Finance

This course provides the student with a broad overview of the health care organizations financial challenges. Students will learn the financial challenges of health care organizations including: enhancing revenues, managing costs, accessing capital at reasonable rates, and

ensuring the integrity of financial reporting. *Lecture, 3 hours. Credit: 3 semester hours.*

4305 Pharmacy Law

Prerequisites: PHI 1000C; PHI 2240; PHI 3000C. The purpose of this course is to provide the students with an understanding of the legal basis of pharmaceutical care. As professional persons empowered by state licensure to protect patients from risks, students will learn about the responsibilities of the pharmacists under the law and the limits of their responsibilities. Pharmacist's role in preventing liability by reducing drug-related morbidity will be covered. Principles of criminal and civil liability and business and contract law where applicable to pharmacy practice are included. Specific attention is given to rules of professional conduct as defined by the New York State Board of Pharmacy. *Credit: 2 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. Students learn to apply management principles; planning, organizing, directing, and controlling in operating pharmacy resources. The course prepares pharmacy students to address change, increase competitiveness, and optimize patient's services. *Credit: 4 semester hours.*

6201 Self-Care Pharmaceuticals

Prerequisite: 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. *Elective. Credit: 3 semester hours.*

6202 Experimental Designs in Clinical Trials

Prerequisites: PHR 5106; PHR 5108. 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. *Elective. 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. *Elective. Credit: 3 semester hours.*

6205 Personal Management in Pharmacy Practice

Prerequisites: ALL fifth-year courses; PAS 5202. 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. *Elective. Credit: 3 semester hours.*

6206 Fundamentals of Regulatory Affairs

Prerequisites: ALL required 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. *Elective. Credit: 3 semester hours.*

6208 Health Care Data Analysis and Interpretation

Prerequisites: ALL required fifth-year courses; CPP 4402. This 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. *Elective. Credit: 3 semester hours.*

6213 Operations of Managed Care Pharmacy

Prerequisites: All fifth-year courses. This course is designed to provide the student with an overview of key operating issues related to the management of prescription utilization within the managed care setting. The course emphasizes the design and provision of pharmacy benefits management services and assesses its impact on inputs, outputs, processes and participants to optimize patient care and outcomes. The major goal of the course is to familiarize students with current pharmacy benefit strategies used to provide safe, efficacious and cost-effective pharmaceutical care in extensive managed care demographic populations. *Lecture, 3 hours. Credit: 3 semester hours.*

Radiologic Sciences Courses (RAD)

The following courses are RAD courses:

1101 Introduction to Radiologic Sciences

An introduction to the field of radiology technology explains the guidelines of the program, developments of the field, organizational structure of the radiology Department and an introduction to the standards for radiographers promoting professional conduct. This course also includes basic radiation protection, the value of patient rights and the role of the radiographer. Introductory law, the elements of malpractice and cause for actions, employment issues, contracts, litigation and the radiographers responsibility to deliver healthcare that is free from bias will also be discussed. *Lecture, Credit: 2 semester hours.*

1103 Radiologic Sciences Patient Care and Pharmacology

Prerequisites: All pre-professional courses. *Corequisites: RAD 1104, 1106, 1110, 1114, 1125.* This course provides students with the basic concepts of patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures are described as well as infection control procedures utilizing universal precautions. The role of the radiographer in patient education and radiation protection are identified. This course also includes a systematic study of radiographic contrast agents as they are used in specific organ systems of the body. Basic concepts of pharmacology will be discussed. The theory and basic practice of basic techniques and venipuncture for the administration of diagnostic contrast agents and/or intravenous medications are included. *Lecture, Credit: 2 semester hours.*

1104 Medical Terminology

Prerequisites: All pre-professional courses. *Corequisites: RAD 1103, 1106, 1110, 1114, 1125* A good working vocabulary is required of any medical professional. This course is designed to introduce medical terminology to the radiography student. The course will begin with a brief introduction to medical terminology, root words, suffixes, and prefixes. From there, the student will build a vocabulary involving specialists in medicine. After that, the student can develop a word bank for each system of the body. These include the Integumentary, Skeletal, Muscular, Circulatory, Respiratory, Digestive, Endocrine, Immune, Urinary, Reproductive, Nervous, and the Sensory Systems. *Lecture, Credit: 2 semester hours.*

1106 Radiographic Anatomy and Procedures I

Prerequisites: All pre-professional courses. *Corequisites: RAD 1103, 1104, 1110, 1114, 1125* This course provides students with the skills necessary to perform radiographic examinations. Areas studied include body positions, positioning terms, positioning aids, contrast media and their applications to positioning methods of producing quality radiographs are discussed. A very brief introduction to the requirements of radiography will be discussed. After which, general anatomy and terminology will be discussed. Anatomy and positioning of the thoracic viscera will be discussed. Abdominal radiography will be discussed. Skeletal topics include positioning of the hand, wrist, forearm, elbow, and humerus. *Lecture, Credit: 4 semester hours.*

1107 Radiographic Anatomy and Procedures II

Prerequisite: All pre-professional courses and 3rd year fall semester courses. *Corequisites: RAD 1111, 1115, 1131, 1126* This course provides students with the skills necessary to perform radiographic examinations of the lower extremities, spinal column and thoracic cavity. Areas studied include body positions, positioning terms, positioning aids and their applications to positioning methods of producing quality radiographs are discussed. Skeletal topics include shoulder, clavicle, scapula, foot, ankle, tibia and fibula, knee, femur, pelvis, hip, cervical spine, thoracic spine, lumbar spine, sacrum and coccyx, and the bony thorax. Clinical applications of theoretical areas include the skeletal and major organ systems, incorporating pediatric, geriatric examinations. *Lecture, Credit: 4 semester hours.*

1110 Radiographic Human Structure and Function I

Prerequisites: All pre-professional courses. *Corequisites: RAD 1103, 1104, 1106, 1114, 1125* This course will acquaint the student on the structure and function of the human body. Cells, tissues, organs and organ systems will be described and discussed as components of their respective systems. Emphasis to physiology and clinical application will give the

students a better understanding of anatomical concepts. *Lecture, Credit: 3 semester hours.*

1111 Radiographic Human Structure and Function II

Prerequisites: All pre-professional courses and 3rd year fall semester courses. *Corequisites: RAD 1107, 1115, 1131, 1126.* This course is a continuation of Radiographic Human Structure and Function II. Students will complete their study of the human body and the organs within their respective organ system. Organs and systems will be described and discussed. Organs will be discussed as components of their respective systems. Organs and systems described will include the respiratory system, digestive system, urinary system, reproductive and fetal development system. Emphasis is placed on physiology and clinical applications to give the student a better understanding of the anatomical concept. *Lecture, Credit: 3 semester hours.*

1114 Radiation Physics and Imaging Equipment I

Prerequisites: All pre-professional courses. *Corequisites: RAD 1103, 1104, 1106, 1110, 1125* These courses provide the student with the knowledge of fundamental principles of mathematics essential for mastering radiographic physics, basic physics, mechanics, structure of matter, basic electricity, magnetism, electromagnetism, electrical physics, radiation physics, and basic x-ray circuitry. Production of ionizing radiation, interaction between x-rays and matter, aspects of the emission spectrum and radiation units of measurements are discussed. Radiographic equipment including the x-ray tube, fluoroscopy, and the imaging system as a whole will be discussed. *Lecture, Credit: 3 semester hours.*

1115 Radiation Physics and Imaging Equipment II

Prerequisites: All pre-professional courses and 3rd year fall semester courses. *Corequisites: RAD 1107, 1111, 1131, 1126.* These courses provide the student with the knowledge of basic electricity, magnetism, electromagnetism, electrical physics, radiation physics, and basic x-ray circuitry. Production of ionizing radiation, interaction between x-rays and matter, aspects of the emission spectrum and radiation units of measurements are discussed. Radiographic equipment including the x-ray tube, fluoroscopy, and the imaging system as a whole will be discussed. *Lecture, Credit: 3 semester hours.*

1131 Introduction to Mammography

Prerequisites: All pre-professional courses and 3rd year fall semester courses. *Corequisites: RAD 1107, 1111, 1115, 1126* The student will examine the history of mammography, along with the basic concepts for performing mammography. Areas of study include breast anatomy and physiology, patient positioning, compression, clinical image evaluation, image

techniques and processing, pathology, QA/QC of mammographic equipment and MQSA Federal Guidelines.
Lecture, 1 credit.

2105 Advanced Radiation Protection and Radiation Biology

Prerequisites: All pre-professional courses and 3rd year fall semester courses. *Corequisites:* RAD 2108, 2117, 2124, 2127. An advanced level course designed to address the need for radiation protection, biological effects of ionizing radiation. Patient protection, personal radiation monitoring, and radiation measuring instrumentation, as well as applicable state and federal laws are discussed. The interaction of radiation on biologic systems, and their correlation with concepts studied in Physics, Biology and Physiology. Acute and chronic effects of radiation are discussed. *Lecture, Credit: 3 semester hours.*

2108 Radiographic Anatomy and Procedures III

Prerequisites: All pre-professional courses and 3rd year fall semester courses. *Corequisites:* RAD 2105, 2117, 2124, 2127. This course provides students with the skills necessary to perform radiographic examinations. Areas studied include body positions, positioning terms, positioning aids, contrast media and their applications to positioning methods of producing quality radiographs are discussed. Skeletal topics include positioning of the soft tissue neck, skull, sinus, orbits, facial bones, and mandible. Fluoroscopic procedures include Esophagram, Upper GI Series, Barium Enema, and Intravenous Pyelogram. *Lecture, Credit: 4 semester hours.*

2109 Radiographic Anatomy and Procedures IV

Prerequisites: All pre-professional, 3rd year professional courses, 4th year fall semester professional courses. *Corequisites:* RAD 2123, 2132, 2133, 2128. This course provides students with an understanding of the advanced imaging techniques required for producing image of specialized areas of the body. Anatomy, indications, specialty procedures, contrast media, equipment and positioning are discussed. Introduction to advanced imaging areas such as CT, MRI and PET scanning are discussed along with the advanced education requirements necessary for certification in these and other areas. Many of these examinations are done within the confines of the imaging department, but may not necessarily be routine diagnostic procedures. Specialized equipment and/or specially trained personnel may be involved in offering these services. Specialty exams discussed include Arthrography, Myelography, Venography, Central Nervous System including Angiography, and Hysterosalpingography with a brief introduction to cross-sectional anatomy *Lecture, Credit: 4 semester hours.*

2117 Medical Imaging Principles of Radiographic Exposure

Prerequisites: All pre-professional, 3rd-year professional courses, 4th-year fall semester professional courses. *Corequisites:* RAD 2105, 2108, 2124, 2127. This course provides students with the various image processing systems available in radiography. A competency analysis of density, contrast, detail and distortion which govern and influence the production of a radiographic image and the direct effect these factors have on radiographic quality and patient dose.
Lecture, Credit: 4 semester hours.

2123 Pathophysiology with Film Review

Prerequisites: All pre-professional, 3rd-year professional courses, 4th-year fall semester professional courses. *Corequisites:* RAD 2109, 2132, 2133, 2128. Content is designed to introduce theories of disease causation and the pathophysiologic disorders that compromise healthy systems. Etiology, pathophysiologic responses, clinical manifestations, radiographic appearance and management of alterations in body systems will be presented. All necessary QA/QC equipment as well as state and federal guidelines will be discussed. *Lecture, Credit: 3 semester hours.*

2124 Introduction to Quality Assurance

Prerequisites: All pre-professional, 3rd-year professional courses, 4th-year fall semester professional courses. *Corequisites:* RAD 2105, 2108, 2117, 2127. Content will include discussion of the integration of federal and state standards, role, responsibility, monitoring maintenance, program evaluation, and establishing and maintaining a quality diagnostic radiograph. The student will be able to identify the importance of quality control in today's Radiology Department, and analyze how to enhance the imaging quality considering all the variables, and to discuss how effectively, the image quality can be tested and how to correct the problems.
Lecture, Credit: 1 semester hours.

2132 Registry Review

Prerequisites: All pre-professional, 3rd-year professional courses, 4th-year fall semester professional courses. *Corequisites:* RAD 2109, 2123, 2133, 2128. The course is designed to prepare students for the American Registry of Radiologic Technology Certification exam and the New York State Licensing exam. This course will provide students with an overall review of all classes taken in the previous two years of coursework in preparation for the certification exam. *Lecture, Credit: 3 semester hours.*

2133 Computers in Radiologic Technology/ Digital Imaging

Prerequisites: All pre-professional, 3rd-year professional courses, 4th-year fall semester professional courses. *Corequisites:* RAD 2109, 2123, 2132, 2128. Content includes an overview of the basic principles of computer science allowing students to understand specific applications in radiography. The utilization of computers in healthcare settings and the specific uses in the departments of radiology and imaging are discussed in terms of technical concepts and clinical applications. *Lecture, Credit: 1 semester hour.*

1125, 1126, 1129, 2127, 2128, 2130 Clinical Education

Prerequisites: All pre-professional courses and previous semester courses. *Corequisites:* All professional courses in the semester. A well designed and developed competency based education at supervised clinical education sites. This provides the students with an active role in developing the skills required to deliver high quality imaging services. Objective competency evaluations are used for consistent methods of measuring student outcomes for each ARRT mandated part. Students will begin their clinical experience observing the technologist, and as they progress, and students have been tested didactically, they will work with direct supervision until competency has been achieved. After competency has been achieved the student may work under indirect supervision. *1575 hours total.*

Elective Courses

Professional elective courses are made available by several departments of the College of Pharmacy and Health Sciences.

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 Health Sciences.

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Vibhuti Arya, *Assistant Clinical Professor*, Pharm.D., St. John's University

Carmela Avena-Woods, *Assistant Clinical Professor*, B.S. Phm., Pharm.D., St. John's University

Judith L. Beizer, *Clinical Professor*, B.S. Phm., St. Louis College of Pharmacy; Pharm.D., University of Tennessee

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S. William Zito, *Professor*, B.S. Phm., St. John's University; Ph.D., University of Connecticut

Please visit the following webpage for a complete list of our faculty, including current part-time faculty.

www.stjohns.edu/academics/undergraduate/pharmacy/faculty

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M.A., M.B.A., Ed.D.

Andrew A. Bhola, *Associate Dean/Director of Advising*, B.S., M.B.A.

Robert Barone, *Associate Dean/Director of Strategic Planning*, B.S., M.S., M.B.A., P.D.

Ellen Tufano, *Associate Academic Dean*, B.A., M.S., Ph.D.

Gail M. Chiarovano, *Senior Assistant Dean*, B.A., M.A.

Weedens E. Blanchard, *Assistant Dean/ Advantage Academy and Distance Learning Programs*, B.S., M.B.A., P.D.

Harold T. Broderick, *Assistant Dean/Director of Operations*, (Staten Island), B.A., M.P.A., J.D.

Rev. Michael J. Cummins, C.M., *Assistant Dean, Director of Internal Research and Enrollment Management*, C.M., M.Div., Th.M.

Antonio Lodato, *Assistant Dean/Director of Evening and Distance Learning Programs*

Diana Morgan, *Assistant Dean/Director of Senior Related Services*, B.S., M.B.A., P.D.

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Providence Palastro, *Assistant Dean, Director of Advisement*, (Staten Island), B.S., M.P.S.

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Monica Spiro-Farrell, *Assistant Dean*, B.S., M.B.A., P.D.

April M. Merenda, *Assistant to the Dean/ External Affairs*, B.S.

Theresa Peros, *Assistant to the Dean*, B.S., M.B.A.

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)

Bachelor of Science

Majors Available:

Administrative Studies (Q, SI, DL)
Advertising Communication (Q, SI)
Creative Track
Account Management/Media Planning and Buying Tracks
Communication Arts (Q, SI)
Computer Science (Q)
Business Option
Cyber Security Systems Option
Healthcare Informatics Option
Networking and Telecommunications Option
Web Services Concentration
Cyber Security Systems (Q)
Business Option
Digital Forensics Option
Criminal Justice (Q, SI, DL)
Forensic Psychology Option (Q)
Dramatic Arts, Film and Television (Q)
Enterprise Regulations: Profit and Nonprofit
Funeral Service Administration (Q, SI)

Health and Human Services (Q)
 Healthcare Concentration
 Human Services Concentration
 Healthcare Informatics (Q)
 Business Option
 Homeland and Corporate Security (Q, SI)
 Hospitality Management (Q, SI)
 Information Technology (Q)
 Journalism (Q)
 Legal Studies (Q, SI)
 Networking and Telecommunications (Q)
 Business Option
 Photojournalism
 Public Relations (Q, SI)
 Sport Management (Q, SI)
 Business Option
 Coaching Option
 Television and Film (Q, SI)

Minors Available:

(Students may also choose minor areas offered through other undergraduate units.)

Advertising (Q, SI)
 Business (Q, SI)
 Business Law (Q, SI)
 Communication Arts (Q, SI)
 Computer Science (Q)
 Correctional Counseling (Q)
 Court Administration (Q, SI)
 Criminal Justice (Q, SI)
 Criminalistics (Q)
 Cyber Security Systems (Q)
 Digital Forensics (Q)
 Event Management (Q, SI)
 Food Service Management (Q, SI)
 Forensic Psychology (Q, SI)
 Forensic Science (Q, SI)
 Film Studies (Q, SI)
 Healthcare Informatics
 Health Service, Administration (Q)
 Homeland and Corporate Security
 Hospitality Management
 Hotel Management (Q, SI)
 Human Service Administration (Q)
 Information Technology (Q)
 International Communications (Q)
 International Criminal Justice (Q)
 International Studies (Q, SI)
 Journalism (Q, SI) (Day session only)
 Legal Studies (Q, SI)
 Lodging Management (Q, SI)
 Mathematics (CUS, CSS, TEL majors)
 (Day session only) (Q)
 Media Graphics (Q, SI)
 Media Management and Finance (Q, SI)
 Multicultural and Ethnic Studies (Q, SI)
 Networking and Telecommunications (Q)
 Photojournalism
 Public Relations (Q, SI)
 Sport Management (Q, SI)
 Television Studies (Q, SI)
 Tourism Management (Q, SI)
 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 contact the CPS Dean's office.*

Bachelor of Arts

(Q, SI)

Majors Available:

Liberal Studies (Q, SI, DL)

Associate in Arts

Liberal Arts (Q, DL)

Associate in Science

Business (Q, SI, DL)
 Cyber Security Systems (Q)
 Criminal Justice (Q, SI, DL)
 Electronic Data Processing
 Information Technology (Q)
 Legal Studies (Q, SI)
 Networking and Telecommunications (Q)
 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, 1008; 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 1115, 1116, 1126, 1156, and six credits from CUS 1162, 1163, 1165, 1166. (Q)

Cyber Security Systems—requires the successful completion of 18 credits including CUS 1115, 1116; NET 1001; CSS 1005, 1011, 1012.

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)

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)

Homeland and Corporate Security—requires the successful completion of 18 credits including HSC 1001, 1003, 1004, 1007 and 6 additional credits chosen from HSC 1002, 1006, 1009, 1010, 1012, 1013, 1014, 1015, 1017, CRJ 3101, 3107, 3108, 3112, 3116, CSS 1001, CUS 1106. (Q, SI)

Microcomputer Systems—requires the successful completion of 18 credits including CUS 1103, 1104, 1115, 1116, NET 1001, and three credits from chosen from CUS 1124, 1147, 1165, 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 1100, 1101, 1102, 1015; CUS 1107; CRJ 3112 and any three 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)

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 in liberal arts/sciences. 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 for Certificates

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. Communication Arts/
Sociology**

**B.S./M.A. Communication Arts/
Government and Politics**

**B.S./M.A. Criminal Justice/
Sociology**

**B.S./M.A. Criminal Justice/
Government and Politics**

B.S./M.A. Journalism/ Sociology

**B.S./M.A. Journalism/ Government
and Politics**

B.S./M.A. Legal Studies/ Sociology

**B.S./M.A. Legal Studies/
Government and Politics**

**B.S./M.B.A. Computer Science/
Business Administration**

**B.S./M.B.A. Cyber Security Systems/
Business Administration**

**B.S./M.B.A. Information
Technology/ Business
Administration**

**B.S./M.B.A. Networking and
Telecommunications / Business
Administration**

**B.S./M.P.S. Criminal Justice/
Criminal Justice Leadership**

**B.S./M.S. Computer Science /
Accounting**

**B.S./M.S. Cyber Security Systems /
Accounting**

**B.S./M.S. Information Technology /
Accounting**

**B.S./M.S. Networking and
Telecommunications / Accounting**

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 degree 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 College of Professional Studies Dean's Office.

B.S./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 specific bachelor's degree offered by the College, 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.

The specific undergraduate majors in the program are communication arts, computer science, criminal justice, homeland and corporate security, journalism, legal studies and sport management.

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.

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 126–129 credits. These credits provide a broad liberal arts education and a specialized major concentration. An associate's degree requires completion of 60 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 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.

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 should 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. The granting of credit is based on faculty evaluation. 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.

Credits awarded through Special Assessment, AP and CLEP do not affect the GPA.

Transfer Credit

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 the College of Professional Studies. It is recommended that new transfer students meet with their advising dean before the third week of their first semester to review their final credit evaluation.

External transfer students are not required to complete DNY 1000C. Students should see the CPS Dean's office to determine an alternate course to meet this credit requirement. External transfer students who have earned an associate's degree outside of STJ are not required to take PHI 3000C, the philosophy ethics course, and the moral theology course. Students should see the CPS Dean's office to determine alternative courses to meet these credit requirements.

Internal

The general University policy for students requesting transfer from other colleges within the University is stipulated in the Admissions section of this bulletin. It is recommended that new internal transfer students meet with their advising dean before registering for their first semester as a CPS student.

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 essential courses in the major area, including any prerequisite courses and who have achieved a qualifying cumulative GPA.

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 is 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.

The Society for Performing and Communication Arts

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.

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 academics 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 and the legal profession by various student-organized activities such as guest speakers, field trips and publications. The association assists students in preparing for a career in the legal profession in the greater New York area.

Sport Management Association

The Sport Management Association is the official student organization for all undergraduate students majoring in sport management. The club coordinates events, activities, and site visits to prepare students for their careers in the sport industry. Sponsored events include an annual career night and several guest speakers throughout the academic year. The club also disseminates a wide range of relevant information such as internship opportunities and latest industry news.

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 criminal justice courses after completing at least 42 credits.

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.

Tau Epsilon Alpha—Human Services Honor Society

The purpose of Tau Epsilon Alpha National Organization for Human Services Honor

Society is to honor academic excellence; to foster lifelong learning, leadership and development; and to promote excellence in service to humanity. These students exemplify the requisite qualities and are being inducted into this honor society because they have maintained an average of 3.2 or above, provided service to the community through volunteer work and internships.

Academic Awards and Distinctions

For awards and distinctions that require using grade point average to determine awards, all college work applies.

Gold, Silver and Bronze 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 Delmar Publishing Company Award, recognizes graduating legal studies majors who have demonstrated academic excellence.

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, Associate Professor 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 Pappopoulos 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 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 or the conditional LST 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.

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 will 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 in the BS degrees through the Division of Mass Communications; Journalism, Television and Film will complete

six credits in one foreign language to fulfill this requirement.

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 will report periodically to their dean so that the office may assess their academic progress. They may be required to present notebooks, marked quizzes and exams, and reports to their dean, and may not carry a full credit load. Credit loads for probation students may be limited by the Dean's office. 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. 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 will fulfill all degree requirements in effect at the time of readmission.

Under the provisions of this rule, before graduation a student will 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 approved by 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 \$80 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 are to 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 126–129 semester hours. Students enrolled in an associate degree program complete a minimum of 60 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 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) and not subject to academic discipline can submit a written request to participate in the May 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.

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. Exception to this rule is granted to students enrolled in the Fresh Start Program.

Dean's Exception

When appropriate, the CPS faculty and Dean's office may evaluate requirements and/or policy to meet the needs of individual students.

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, and the CPS Dean's office.

Core Requirements

Note: All courses are three credits unless otherwise noted.

Core requirements for ALL CPS bachelor degree programs (42 credits) except B.S.

Dramatic Arts, Film and Television:

DNY 1000C*

ENG 1000C

ENG 1100C

HIS 1000C

PHI 1000C

PHI ethics course**

PHI 3000C**

SCI 1000C

SPE 1000C

THE 1000C

Moral Theology elective*

Theology elective

ART 1000C and LAC 1000C

OR

6 credits from any modern foreign language

*Note: Students majoring in a program in the Mass Communications, Journalism and Television and Film Division will take 6 credits in a modern foreign language to fulfill this requirement

Core requirements for B.S. Dramatic Arts, Film and Television (39 credits):

DNY 1000C*

ENG 1000C

ENG 1100C

MTH 1003

PHI 1000C

PHI ethics course**

PHI 3000C**

SCI 1000C

THE 1000C

Moral Theology elective*

Theology elective

6 credits from any modern foreign language

Note for all CPS programs:

*External transfer students and non-conditionally admitted LST students are not required to complete DNY 1000C. Students should see the CPS Dean's office to determine an alternate course to meet this credit requirement.

**External transfer students who have earned an associate's degree outside of STJ are not required to take PHI 3000C, the philosophy ethics course, and the moral theology course. Students should see the CPS Dean's office to determine alternative courses to meet these credit requirements.

B.A. Liberal Studies

(Queens, Staten Island, Distance Learning)
126 credits

(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:

48–51 credits that include:

- **Humanities:** choose 18 credits from non-University core English, philosophy and theology courses
- **Social Science:** choose 18 credits from non-University core anthropology, economics, history, political science, psychology, sociology courses (in addition to 3 credits required under the "additional liberal arts requirements")
- **Computer Science, Mathematics and Science:** choose 12 credits from non-University core biology, chemistry, computer science, mathematics and physics courses
- **LST 1000:** 3 credits (This course is required only for conditionally admitted students. All other students should see the CPS Dean's office to determine a course to meet this requirement).

Additional Liberal Arts Requirements:

6 credits that include three credits in a math elective and three credits in a social science elective

General Electives: 27–39 credits selected under the guidance of an advisor

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:

36 credits that include:

- **Human Relations Area:** 18 credits that include PSY 1019, SOC 1003, SOC 1004, SOC 1031 and 6 credits chosen from ADS 2000, BLW 1015, ECO 1002, HIS 1006, HIS 1037, LES 1020, PSY 1017, PSY 1025
- **Technology Area:** 15 credits chosen from COM 2280, COM 2290, CUS 1102, 1103, 1104, 1105, MTH 1021 (or MTH elective as placed), NET 1001
- **Major Area Elective:** 3 credits chosen from remaining electives in the human relations, technology area or through ADS 3000 (internship)

Business Area Requirements: 12 credits chosen from any business elective.

Additional Liberal Arts Requirements:

18 credits that include: ECO 1001, ENG 1006, a three credit English Literature elective, a three credit math elective and six credits in social science electives.

General Electives: 18–30 credits selected under the guidance of an advisor

B.S. Advertising Communication

(Queens/Day Session only)
(126 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: account management, 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.

Requirements for Creative Track

Major Area Requirements:

48 credits that include:

- **Required Courses:** 15 credits from: COM 1001, COM 1002, COM 2290, COM 2500, COM 2600
- **Advertising Sequence:** 24 credits from: MKT 1001, ADV 2100, ADV 2301, ADV 2500, ADV 3301, ADV 3400, ADV 4600, ADV 4601
- **Major Area Electives:** 9 credits chosen from ADV 3200, ADV 5001, COM 2209, COM 2280, COM 3101, COM 3102, COM 3292, COM 4600, PHO 2201, SPE 1010.

Business Area Requirements:

9 credits chosen from any business elective.

Additional Liberal Arts Requirements:

9 credits that include: a three credit English Literature elective, a three credit math elective chosen from MTH 1009 or MTH 1021, and a three credit social science elective.

General Electives: 18–30 credits selected under the guidance of an advisor.

Requirements for the Account

Management, Media Planning and Buying Track:

Major Area Requirements: 48 credits that include:

- **Required Courses:** 15 credits from: COM 1001, COM 1002, COM 2600, ENG 1006, SPE 1010
- **Advertising Sequence:** 24 credits from: MKT 1001, ADV 2100, ADV 2301, ADV 2500, ADV 3301, ADV 3400, ADV 4600, ADV 4601
- **Major Area Electives:** 9 credits chosen from ADV 5001, COM 2201, COM 2204, COM 2209, COM 2280, COM 2290, COM 2401, COM 2402, COM 2403, COM 3101, COM 3102, COM 4600, TVF 2402

Business Area Requirements: 15 credits that include MGT 1001 and 12 electives chosen from any business course

Additional Liberal Arts Requirements:

6 credits that include a three credit math elective chosen from MTH 1009 or MTH 1021, and a three credit social science elective

General Electives: 15–27 credits selected under the guidance of an advisor

B.S. Communication Arts

(Queens, Staten Island)
(126 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 and online media to develop an understanding of the global 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 communications, public relations, journalism, international communications, and media graphics.

Departmental Minors

Any baccalaureate student may select the following minors in communications: communication arts, advertising communications, public relations, journalism, photojournalism, tv/film and media graphics.

Internship Program

Students are eligible to apply for up to 12 hours of internship credit in advertising communications, communication arts, journalism, and public relations and up to 6 hours in television and film. In order to be eligible, students must have completed 72 credits including 12 credits in their major and have a minimum cumulative grade point average of 2.75

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 are available through its widely known faculty.

Through this partnership, currently enrolled St. John's communication arts 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.

Mass Communication 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 39 credits that include

- **Required courses:** 6 credits that include COM 1001 and three credits from COM 3101 or 3102.
- **Series courses:** 12 credits that include.
 - A three credit production elective chosen from COM 2201, 2204, 2209, 2280, 2290, TVF 1230, 2202
 - Six credits in writing electives chosen from COM 2301, 2303, PRL 2301, ADV 2301, TVF 2301, 2302, 2303
 - A three-credit industry practices elective chosen from COM 2401, 2402, 2403, 2404, TVF 1400, 2402, 2403, JOU 1400, 1401, ADV 2100, PRL 2100
 - A three-credit aesthetics elective chosen from COM 2500, 2570, ADV 2500, any JOU 1500 series course, any TVF 1500 series course.
- **Elective courses:** 18 credits chosen from any ADV, COM, PHO, PRL, TVF. (A maximum of nine credits can be chosen from English literature, DRM, JOU, RCT or SPE)

Business Requirements: Choose 21 credits from ACC 1007, 1008, BLW 1001, BLW 1005, ECO 1001, ECO 1002, MGT 1001, MGT 1003, MKT 1001, MKT 1002, ENG 1006, COM 2402, COM 2403, COM 2402, ADV 2100, ADV 3400

(Students may minor in business by successfully completing ACC 1007, 1008, BLW 1001, MKT 1001, MGT 1001, 1003 Note: ECO 1001 and 1002 are pre-reqs for MGT 1003.)

Additional Liberal Arts Requirements: 6 credits that include a three-credit social science elective and three credits in math chosen from MTH 1009 or 1021.

General Electives: 18–30 credits selected under the guidance of an advisor.

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 credits that include:

- **Required Courses:** 24 credits from: CUS 1115, CUS 1116, CUS 1126, CUS 1151, CUS 1156, CUS 1162, CUS 1163, CUS 1166
- **Computer Science Series:** 6 credits:
 - choose 3 credits from CUS 1161, 1171, 1185, NET 1001
 - choose 3 credits from CUS 1168, 1174, 1181, 1182, 1183, 1186, 1187, 1188
- **Computer Science Electives:** choose 6 credits from computer science electives (excluding CUS 1101–1109)

Additional Liberal Arts Requirements: 27 credits that include ECO 1001, ECO 1002, MTH 1009, MTH 1010, MTH 1013, MTH 1014 and six credits chosen from MTH 1011 through 1019 and three credits in any science elective.

General Electives: 21–33 credits selected under the guidance of an advisor

B.S. Computer Science (Option and Concentration 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 credits that include:

- **Required Courses:** 21 credits from: CUS 1115, CUS 1116, CUS 1126, CUS 1156, CUS 1165, CUS 1166, CUS 1167

- **Computer Science Series:** 6 credits:
 - choose 3 credits from CUS 1161, 1162, 1163, 1171, 1185, NET 1001
 - choose 3 credits from CUS 1148, 1169, 1172, 1176, 1179, NET 1051

- **Computer Science Electives:** choose 9 credits from computer science elective (excluding CUS 1101–1109)

Specialized Area Requirements

18 credits that include ACC 1007, ACC 1008, BLW 1001, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Requirements:

21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective.

General Electives: 9–21 credits selected under the guidance of an advisor

B.S. Computer Science (Cyber Security Systems Option)

Careers associated with this option include computer system security analyst, cryptanalyst, application security consultant, and information assurance engineer.

Major Area Requirements: 33 credits that include:

- **Required Courses:** 21 credits from: CUS 1115, CUS 1116, CUS 1126, CUS 1156, CUS 1165, CUS 1166, CUS 1185
- **Computer Science Series:** 6 credits:
 - choose 3 credits from CUS 1161, 1162, 1163, 1171
 - choose 3 credits from CUS 1148, 1159, 1176, NET 1051
- **Computer Science Electives:** choose 6 credits from computer science elective (excluding CUS 1101–1109)

Specialized Area Requirements:

21 credits that include DFR 1001, NET 1011, CSS 1005, CSS 1011, CSS 1032 and six credits chosen from CSS 1006 or higher

Additional Liberal Arts Requirements:

21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective.

General Electives: 9–21 credits selected under the guidance of an advisor

B.S. Computer Science (Healthcare Informatics Option)

Careers associated with this option include healthcare informaticians, healthcare software engineers, healthcare technology support specialists, and health information systems administrators.

Major Area Requirements:

36 credits that include

- **Required Courses:** 21 credits from: CSS 1008, CUS 1115, CUS 1116, CUS 1126, CUS 1156, CUS 1166, CUS 1167
- **Computer Science Series:** 6 credits:
 - choose 3 credits from CUS 1161, 1162, 1163, 1171, 1185, NET 1001
 - choose 3 credits from CUS 1148, 1159, 1176, 1179
- **Computer Science Electives:** choose 9 credits from computer science electives (excluding CUS 1101–1109)

Specialized Area Requirements: 18 credits that include HSA 1100, HSA 1101, HCI 1001, HCI 1002, HCI 1015, HCI 1021

Additional Liberal Arts Requirements: 21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective.

General Electives: 9–21 credits selected under the guidance of an advisor

B.S. Computer Science (Networking and Telecommunications Option)

Careers associated with this option include telecommunications analyst, network administrator, and telecommunications programmer.

Major Area Requirements:

33 credits that include

- **Required Courses:** 18 credits from: CUS 1115, CUS 1116, CUS 1126, CUS 1156, CUS 1163, CUS 1166
- **Computer Science Series:** 6 credits:
 - choose 3 credits from CUS 1161, 1162, 1171, 1185
 - choose 3 credits from CUS 1145, 1147, 1148, 1159, 1167, 1172, 1176
- **Computer Science Electives:** choose 9 credits from computer science electives (excluding CUS 1101–1109)

Specialized Area Requirements: 21 credits that include CSS 1005, CSS 1011, NET 1011, NET 1015, and nine credits chosen from NET 1021 or higher

Additional Liberal Arts Requirements: 21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective.

General Electives: 9–21 credits selected under the guidance of an advisor

B.S. Computer Science (Web Services Concentration)

Careers associated with this concentration include web programmer, web applications architect, web systems administrator, and web software engineer/systems analyst. It also serves as preparation for further academic and professional study in computer science and software engineering.

Major Area Requirements:

36 credits that include:

- **Required Courses:** 33 credits from: CUS 1115, CUS 1116, CUS 1126, CUS 1148, CUS 1156, CUS 1159, CUS 1163, CUS 1165, CUS 1166, CUS 1169, CUS 1176, CUS 1178
- **Computer Science Series:** 3 credits chosen from: CUS 1172, CUS 1173, CUS 1176, CUS 1179, NET 1001

Additional Liberal Arts Requirements:

27 credits that include ECO 1001, ECO 1002, MTH 1009, MTH 1010, MTH 1013, MTH 1014 and six credits chosen from MTH 1011 through 1019 and three credits in any science elective.

General Electives: 21–33 credits selected under the guidance of an advisor

Internship Program

Internships are available for qualified computer science, cyber security systems, healthcare informatics, information technology, and networking and telecommunications 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:

- a) Be in junior or senior year
- b) Have completed all required major area courses and the majority of major area electives
- c) 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.
- d) 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.

B.S. Cyber 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 networking and telecommunications.

Major Area Requirements

36 credits that include

- **Required Courses:** 33 credits from CUS 1115, 1116, 1165, DFR 1001, CSS 1005, 1011, 1018, 1021, 1032, NET 1011, 1015
- **CSS Elective courses:** Choose 3 credits from CSS 1006 or higher or NET 1031

Additional Liberal Arts Requirements:

27 credits that include ECO 1001, ECO 1002, MTH 1009, MTH 1010, MTH 1013, MTH 1014 and six credits chosen from MTH 1011 through 1019 and three credits in any science elective.

General Electives: 21–33 credits selected under the guidance of an advisor

B.S. Cyber Security Systems (Option Programs)

(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. Cyber Security Systems (Business Option)

Careers associated with this option include: information security manager, information assurance consultant, and business security systems analyst.

Major Area Requirements:

39 credits that include

- **Required Courses:** 30 credits from CUS 1115, 1116, 1165, DFR 1001, CSS 1005, 1006, 1011, 1032, NET 1011, 1015
- **CSS Elective courses:** Choose 9 credits from CSS 1008 or higher or NET 1031

Specialized Area Requirements:

18 credits from ACC 1007, ACC 1008, BLW 1001, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Requirements:

21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective

General Electives: 6–18 credits selected under the guidance of an advisor

B.S. Cyber Security Systems (Digital 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:

39 credits that include

- **Required Courses:** 33 credits from CUS 1115, 1116, 1185, DFR 1001, CSS 1005, 1011, 1015, 1021 1032, NET 1011, 1015
- **CSS Elective courses:** Choose 6 credits from CSS 1006 or higher; NET 1031; CUS 1165.
- **Specialized Area Requirements:** 15 credits that include DFR 1001 and 12 credits chosen from DFR 1002 or higher.

Additional Liberal Arts Requirements:

21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective

General Electives: 9–21 credits selected under the guidance of an advisor

Internship Program

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:

- Must be in junior or senior year
- Completed majority of courses in Criminal Justice major

- Cumulative index of 2.5 or higher in all course work
- Students may not carry internship coursework as part of an excess credit load.
- Student interns receive no salary; receive course credit
- 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 in Criminal Justice.

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

Major Area Requirements:

36 credits including:

- **Required Courses:** 15 credits from CRJ 2000, 2001, 2002, 2003, 2004
- **CRJ Elective Courses:** Choose 21 credits from any CRJ elective

Computer Science and Business Area

Requirements: 12 credits that include CUS 1102 and 9 electives chosen from any business courses

Additional Liberal Arts Requirements:

21 credits that include PSC 1001, PSY 1001, SOC 1001, a three credit social science elective chose from HIS 1017, PSY 1007, PSY 1017, PSY 1019, SOC, 1026, SOC 1028, a three credit English literature elective and six credits in math electives and six credits in social science electives.

General Electives: 15–27 credits selected under the guidance of an advisor

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:

36 credits including:

- **Required Courses:** 15 credits from CRJ 2000, 2001, 2002, 2003, 2004
- **CRJ Elective Courses:** Choose twelve credits from CRJ 3005, 3102, 3105, 3108, 4102 and nine credits in any CRJ elective

Computer Science and Business Area

Requirements: 12 credits that include CUS 1102 and 9 electives chosen from any business courses

Additional Liberal Arts Requirements:

24 credits that include PSC 1001, PSY 1001, SOC 1001, six credits in social science electives chose from PSY 1007, PSY 1010, PSY 1017, PSY 1019, a three credit English literature elective and six credits in math electives

General Electives: 12–24 credits selected under the guidance of an advisor

B.S. in Dramatic Arts, Film and Television

(Queens) (135.5 Credit Hours)

The Bachelor of Science Degree in Dramatic Arts, Film and Television provides students with the creative opportunity to enhance their knowledge, performance skills and career opportunities in the field of professional acting through extensive theoretical and practical training. The program is a collaborative degree between St. John's University and the American Academy of Dramatic Arts (one of the country's oldest and most respected acting conservatories), that combines both institutions' intellectual, artistic resources and cultural diversity to offer students with an exceptional education in the dramatic arts, film and television. Students will have access to the resources of a major university (St. John's University) with its breadth of academic offerings in film, television, and the liberal arts and sciences, coupled with specialized

training in acting offered through the American Academy of Dramatic Arts (AADA), whose vigorous and professional curriculum offers instruction in acting, acting styles — Comedia Dell'Arte, Greek tragedy, restoration comedy, and Shakespeare studies — voice and speech, vocal production, movement, theatre history, fencing, stage-make-up and audition technique. The aim of the Bachelor of Science Degree in Dramatic Arts, Film and Television is to prepare students for the profession of acting. The curriculum provides an intense study in the theoretical and performance practices and methodologies of the performing arts, as well as an extensive theoretical and practical training in the styles, practices and methodologies of directing, writing and producing for film and television to students the opportunity to seek careers as actors, filmmakers, screenwriters, television producers, editors. The program is committed to students acquiring creative excellence and the discipline necessary to pursue a career in the performing arts. Students are required to audition to be admitted into the program.

Major Area Requirements

St. John's University: 33 credits: DRM 1200, DRM 1505, DRM 2200, DRM 3200, DRM 3300, COM 1001, TVF 1200, (TVF 2203 or 2204), (TVF 2303 or 2301), (TVF 3220 or 2200)

American Academy of Dramatic Arts:

66.5 credits completed through their professional curriculum.

Core Requirements*: 39 credits that include

DNY 1000C, ENG 1000C, ENG 1100C, MTH 1003, PHI 1000C, PHI 1024, PHI 3000C, SCI 1000C, THE 1000C, three credits in a moral theology elective, three credits in a theology elective and six credits from any second language.

**Some adjustments to core requirements may be made for transfer students. Transfer students should see an advising dean for details.*

B.S. Enterprise Regulation: Profit and Non-profit

This program in which students majoring in business-related law will learn about the laws that form the framework for the successful operation of organizations in our economy and the social, ethical and economic forces that shape those laws. Through the study of laws supporting governmental, commercial and nonprofit enterprises, students will gain insight into decision-making in various sectors of the economy. The major courses include ethics, general business law and sector-specific law courses such as Legal Aspects of Health Organizations. The program will prepare students to analyze complex problems, think critically, work collaboratively and communicate effectively through course work

and related activities, such as internships. Students will develop the skills needed in today's workplaces, including synthesizing information, identifying factual and legal issues and policy considerations, analogizing and developing persuasive arguments based on ethics, public policy and law.

This degree program offers a uniquely integrated curriculum fusing career-specific and liberal studies subject matter. The 126-credit interdisciplinary curriculum allows 18 credits of non-business electives and integrates the following areas of study:

Major Area Requirements:

36 credits that include:

- **Required Courses:** 18 credits from BLW 1001, 1005, 1015, 1020, 1030, REM 1003
- **Elective Courses:** 18 credits chosen from: COM 2404, CUS 1175, HCS 1002, HMT 1007, HSA 1011, HSA 1038, JOU 1402, NET 1051, REM 1013, SPM 1010.

Business Requirements:

15 credits that include:

- **Required Courses:** 12 courses from ACC 1007, ACC 1008, ECO 1001, ECO 1002
- **Elective Courses:** 3 credits chosen from: MKT 1001 or MGT 1001

Additional Liberal Arts Requirements: 15

credits that include ENG 1006, PSC 1001, PSY 1001, a three credit sociology elective chosen from SOC 1004 or 1031 and a three credit math elective.

General Electives: 18–30 credits selected under the guidance of an advisor

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

Academic Requirements for Funeral Service Administration Majors

Students may complete the bachelor of science degree in funeral services through either one of the following options:

Option A:

1. Students complete 66 credits at St. John's University, which include the University core, the additional liberal arts requirements, the professional requirements and general electives.
2. Students enroll in and complete the Associate in Occupational Studies (A.O.S.) program at the American Academy McAllister Institute (AAMI).
3. 60 credits from the AOS are applied to BS degree in funeral service administration.

Option B:

1. Students enter St. John's University with an A.O.S. (Associate in Occupational Studies) degree from American Academy McAllister Institute (AAMI).
2. 60 credits are applied toward the bachelor of Sciences degree in funeral service administration.
3. Students complete the remaining 66 credits at St. John's University.

Both options require students to maintain a minimum grade point average (GPA) of 2.0 at AAMI and at St. John's University to remain in and complete the program.

Major Area Requirements:

60 credits completed at the American Academy McAllister Institute of Funeral Service

Related Area Requirements:

12 credits selected that include CUS 1102 and 9 credits chosen from any social science courses.

Additional Liberal Arts Requirements:

6 credits selected that include a 3 credit English literature elective and Math 1003.

General Electives:

9 credits selected under the guidance of an advisor.

B.S. Health and Human Services

(Queens)

(129 Credit Hours)

Students can prepare for the profession and related fields through the Bachelor of Science degree program in Health and Human Services at St. John's University. Offered by our College of Professional Studies, the program provides a solid foundation in the theory, application and management of the health administration, social and behavioral sciences and their role in promoting cultural awareness and sensitivity by developing social and health policies, utilizing local resources and serving individuals, families and communities.

The 129 credit degree program stresses the health, social and behavioral science concepts, interpersonal communication skills and ethical values needed for the profession. Both concentrations combine classroom theory with valuable internship experience so that students are prepared to become leaders in their fields.

Requirements for the Healthcare Concentration:

Major Area Requirements:

45 credits that include:

- **Required Courses:** 21 credits from: HHS 3000, HSA 1002, HSA 1100, HSA 1100, HSC 1100, HSC 1102, HSC 1020
- **Health Concentration:** 24 credits that include HSA 1003, 1004, 1011, 1012, 1020, 1040 and 6 credits HSA 1023, 1024, 1025, 1035, 1042

Professional Area Requirements: 12 credits that include ACC 1007, CUS 1102, MGT 1001 and a three credit business elective.

Additional Liberal Arts Requirements:

18 credits that include ENG 1006 MTH 1003, 1021 a three credit sociology elective and a three credit social science elective chosen from ECO 1001, PSC 1001, PSY 1001, SOC 1001 or any HIS elective (except HIS 1000C).

General Electives: 12–24 credits selected under the guidance of an advisor

Requirements for the Human Services Concentration:

Major Area Requirements:

45 credits that include:

- **Required Courses:** 21 credits from: HHS 3000, HSA 1002, HSA 1100, HSA 1100, HSC 1100, HSC 1102, HSC 1020
- **Human Services Concentration:** 24 credits that include HSC 1030, 1071, 1072, 1073, 1074 and 9 credits from HSC 1081, 1082, 1083, 1084, 1085

Professional Area Requirements:

12 credits that include MGT 1001 and 9 credits chosen from HSC 1049, HSC 1060, HSC 1065, HSA 1035, 1040, 1042

Additional Liberal Arts Requirements:

18 credits that include ENG 1006 MTH 1003, 1021, PSY 1001, a three credit sociology elective and a three credit social science elective chosen from PSY 1017, SOC 1001 or SOC 1026

General Electives: 12–24 credits selected under the guidance of an advisor

B.S. Healthcare Informatics

(Queens)

(126 Credit Hours)

Recognizing the growing need to enhance the efficiency, quality, and accessibility of our healthcare system, the baccalaureate degree program in healthcare informatics is designed to teach students how to apply specialized information technology tools within the healthcare delivery process, and will prepare our graduates for a number of occupations that require in-depth knowledge of both computer science and the healthcare system, including healthcare informaticians, healthcare software engineers, healthcare technology support specialists, healthcare database administrators, and health information systems managers.

Major Area Requirements:

36 credits that include:

- 18 semester hours of courses in computer science and networking and telecommunications: CUS 1115; 1116; 1126; 1167; 1179; NET 1001.
- 18 semester hours of courses in healthcare informatics: HCI 1001; 1002, 1015; 1021, 1022; three additional credits in healthcare informatics or CSS1008

Specialized Area Requirements

18 semester hours of courses in health services administration: HSA 1002, 1003; 1012; 1042; 1100; 1101.

Additional Liberal Arts Requirements:

24 credits that include *BIO 1050, BIO 1060, ECO 1001, ECO 1002, MTH 1004, MTH 1008, MTH 1013, MTH 1014, (*BIO 1050 will meet the SCI 1000C requirement in the common core)

General Electives: 9–21 credits selected under the guidance of an advisor.

Internship Program

See details under B.S. Computer Science.

B.S. Healthcare Informatics (Business Option)

Major Area Requirements:

36 credits that include:

- **Required Courses:** 36 credits from CUS 1115, CUS 1116, CUS 1126, CUS 1167, CUS 1179, HCI 1001, HCI 1002, HCI 1015, HCI 1021, HCI 1022, HSA 1100, HSA 1101.
- **HCI Elective Courses:** Choose 3 credits from any HCI course or CSS 1008

Specialized Area Requirements:

18 credits that include: ACC 1007, ACC 1008, BLW 1001, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Requirements:

24 credits that include: BIO 1050*, BIO 1060, ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 (*BIO 1050 will meet the SCI 1000C requirement in the common core.)

General Electives: 6–21 credits selected under the guidance of an advisor.

Internship Program: See details under B.S. Computer Science.

B.S. Homeland and Corporate Security

(Queens) (126 Credit Hours)

(Day and Evening)

The curriculum in homeland and corporate security leading to the baccalaureate degree is designed to provide a professional dimension to the managerial and technological phases of homeland and corporate security. It may also serve as preparation for further academic and professional study.

Major Area Requirements:

36 credits that include:

- **Required Courses:** 12 credits from HCS 1001, 1003, 1004, 1007
- **Major Area Elective Courses:** Choose 24 credits from HCS 1002, 1006, 1009, 1010, 1012, 1013, 1014, 1015, 1017, CRJ 3101, 3107, 3108, 3112, 3116, CSS 1001, CUS 1106

Computer Science and Business Area

Requirements: 15 credits that include CUS 1102 and 12 credits chosen from any business courses.

Additional Liberal Arts Requirements:

24 credits that include PSY 1001, PSY 1007, SOC 1001, SOC 1002, MTH 1003, MTH 1021, ENG 1006 and a three credit English literature elective

General Electives: 9–21 credits selected under the guidance of an advisor

B.S. Hospitality Management

(Queens, Staten Island)

(126 Credit Hours)

The purpose of the hospitality management program is to prepare students for leadership careers in hospitality and tourism management, both nationally and globally, emphasizing the integration of theory and practical applications to satisfy the diverse needs of the industry. The curriculum focuses on the fundamental competencies that are vital for managers in the lodging, food service, tourism, and event management industries. Like all St. John's students, Hospitality Management majors benefit from the broad knowledge and communications skills gained through our core curriculum, a must for the well-educated professionals sought by today's employers in all fields.

With the program's extensive professional connections in the industry, students gain real-world experience through valuable internships throughout the New York metropolitan area and abroad. With this knowledge and experience, graduates build rewarding careers as administrators and creative professionals in hotels, restaurants, resorts and country clubs, conference centers, airlines, cruise lines, travel agencies, tourist bureaus, corporate travel departments, event planning firms and many other types of organizations.

Beyond the University Core, the program consists of a wide variety of general business courses, several required hospitality management courses, and hospitality management electives selected with an eye towards the student's preferred area within the industry, be it in lodging, food service, tourism, or event management.

Major Area Requirements:

36 credits that include:

- **Required Courses:** 21 credits from HMT 1000, 1003, 1005, 1007, 1009, 1030, MGT 1003.
- **Elective Courses:** 15 credits chosen from any HMT elective. Students may choose their electives based on one of the four study areas.

Four Study Areas:

Event Management: 15 credits that include HMT 1050, 1061 and nine credits chosen from HMT 1025, 1065, 1070, 1071, 1073, 1094.

Food Service Management: 15 credits that include HMT 1020, 1025 and nine credits from HMT 1004, 1006, 1010, 1022, 1035, 1040, 1075, 1094.

Lodging Management: 15 credits that include HMT 1001 and twelve credits chosen from HMT 1002, 1010, 1045, 1055, 1065, 1072, 1074, 1075, 1094.

Tourism Management: 15 credits that include HMT 1070, 1071 and nine credits chosen from HMT 1061, 1072, 1073, 1074, 1075, 1094, 2001A.

Computer Science and Business Area

Requirements: 21 credits from CUS 1102, ACC 1007, ACC 1008, BLW 1001, ECO 1001, ECO 1002, MGT 1001.

Additional Liberal Arts Requirements:

15 credits from ENG 1006, MTH 1003, MTH 1021 PSY 1001, SOC 1001.

General Electives: 12–24 credits selected under the guidance of an advisor. (Students may meet course requirements for a business minor by completing MKT 1001 as a free elective – see an advising dean for full requirements and details).

B.S. Information Technology

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. Careers include technical services manager, user support specialist, entrepreneurial software designer, and technical marketing representative.

Major Area Requirements: 39 credits that include:

- **Required Courses:** 24 credits from: CUS 1103, CUS 1104, CUS 1115, CUS 1116, CUS 1126, CUS 1165, CUS 1172, NET 1001
- **Computer Science Elective Courses:** Choose 15 credits from CUS 1148, 1156, 1167, 1169, 1173, 1176, 1179, CSS 1001

Specialized Area Requirements: 18 credits that include ACC 1007, ACC 1008, BLW 1001, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Requirements: 21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective.

General Electives: 6–18 credits selected under the guidance of an advisor

Internship Program

See details under B.S. Computer Science.

B.S. Journalism

(Queens, Staten Island) (126 Credit Hours)

(Day session only)

At St. John's, the journalism program is distinctive in its focus on professional, hands-on training, preparing students for the converged world of journalism. Faculty members have a vast breadth and quality of professional experience.

The course work is challenging and rich in its variety and emphasizes professional classes.

The program's objectives are to provide students with basic preparation in reporting, writing and producing for all journalistic media and to prepare students for graduate work, both in journalism and other fields. You learn everything from multimedia writing and audio and video production to investigative reporting; from newspaper and magazine journalism to radio, television and web-based news reporting; from photojournalism and graphic design to interviews, critical reviews and feature writing. Other courses introduce you to the legal and ethical constraints on the media, international reporting and the roles of government and the press. Guest speakers and informal student-faculty gatherings enhance classroom and applied learning.

Many law students, for example, have found journalism training a useful preparation for the law.

The journalism program includes enough courses in each medium to permit students to graduate with a strong general foundation and an area of content specialization. The major also includes substantial amounts of course work in the liberal arts, along with business classes and a large number of free electives.

Internship Program

In emphasizing hands-on experience, the St. John's journalism major offers an extensive internship program. Student interns receive academic credit for their work at approved professional newspapers, wire services, internet news sites, radio and television stations, public relations firms and advertising agencies.

Students have interned at local and major media in and around New York City including the *New York Daily News*, *Newsday*, *Queens Tribune*, *Queens Ledger*, *Amsterdam News*, *Broadcasting and Cable magazine*, *Seventeen* and *Vogue* magazines, WOR radio, WFAN, Westwood One Radio Sports, WABC-TV, WNBC-TV, MTV, ESPN, NY1, NBC News and CBS News. Adding professional experience to classroom instruction, the internship program is an extremely important and integral part of the journalism major.

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

42 credits that include:

- **Required courses:** 21 credits from COM 1002, JOURNALISM 1000, 1402, 2300, 2307, 2312, 3300
- **Specialized Electives:** 6 credits chosen from JOURNALISM 1501, 3303, 3304, 3305, 3309, 3310, 3311, 3401

- **Specialized Track:** Complete 6 credits by choosing one of the following tracks:
PRINT TRACK: JOU 3301 and JOU 4701
BROADCAST TRACK: JOU 3312 and JOU 4702

- **Elective Courses:** Choose 9 credits from any JOU course under the guidance of an advisor. Internships (JOU 5000 series courses) require director's approval.

Business Requirements: Choose 6 credits from ECO 1001 or ECO 1002

Additional Liberal Arts Requirements: 18 credits that include HIS 1017, a three credit English literature elective, a three credit social science elective and three credits chosen from MTH 1009 or 1021.

General Electives: 21–33 credits selected under the guidance of an advisor. Students are strongly urged to take at least 15 credits be taken in areas other than journalism and communication (e.g. health, science, business, criminal justice, etc.).

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 and the legal profession by various student-organized activities. The society assists students in preparing for a career in the legal profession in the greater New York area.

Major Area Requirements
36 credits that include

- **Required courses:** 15 credits from: LES 1100, LES 1101, LES 1102, LES 1004, LES 1015
- **Legal Specialty elective courses:** 15 credits for legal studies courses chosen from: LES 1003, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1019, 1020, 1021, 1023, 1024, 1025, 1026, 1030, 1040, 1042
- **Law Related courses:** 6 credits chosen from: LES 1005, 1006, 1008, (if not used as a legal specialty elective), 3112, 3113, 3114, 3116, CUS 1107

Business Requirements:

Choose 6 credits from ACC 1007, 1008, MGT 1001.

Additional Liberal Arts Requirements: 21 credits that include PSY 1001, SOC 1001, SOC 1002, a three credit English literature elective, a three credit social science elective and six credits in math electives.

General Electives: 21–33 credits selected under the guidance of an advisor.

B.S. Networking and Telecommunications

(Queens) (126 Credit Hours)

(Day)

The curriculum in networking and telecommunications 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 networking, computer science, and decision sciences.

Major Area Requirements
36 credits that include:

- **Required Courses:** 21 credits from: CUS 1115, CUS 1116, CSS 1005, CSS 1011, DFR 1001, NET 1011, NET 1015
- **Networking Electives:** Choose 15 credits from NET 1021 or higher or CSS 1015

Additional Liberal Arts Requirements:

27 credits that include ECO 1001, ECO 1002, MTH 1009, MTH 1010, MTH 1013, MTH 1014 and six credits chosen from MTH 1011 through 1019 and three credits in any science elective.

General Electives: 21–33 credits selected under the guidance of an advisor

B.S. Networking and Telecommunications (Business Option Program)

(Queens) (126 Credit Hours)

The curriculum in networking and telecommunications leading to the baccalaureate degree may be enhanced with an option in business. Careers associated with this option include telecommunications systems analyst, network deployment engineer, and telecommunications manager.

Major Area Requirements:
39 credits that include:

- **Required Courses:** 21 credits from: CUS 1115, CUS 1116, CSS 1005, CSS 1011; DFR 1001; NET 1011, NET 1015
- **Computer Science Elective:** Choose 3 credits from 1165, 1176
- **Networking Electives:** choose 15 credits from NET 1021 or higher or CSS 1015

Specialized Area Requirements: 18 credits that include ACC 1007, ACC 1008, BLW 1001, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Requirements: 21 credits that include ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014 and three credits in any science elective.

General Electives: 6–18 credits selected under the guidance of an advisor

Internship Program

See details under B.S. Computer Science.

B.S. Photojournalism

(Queens)

(129 Credit Hours)

The Bachelor of Science degree in Photojournalism is aimed toward preparing students for graduate and professional opportunities in photojournalism and photography in general. Career-oriented and interdisciplinary, the degree fuses together critical areas in photojournalism, visual aesthetics, commercial photography, documentary filmmaking and multimedia communications to ensure that students acquire the knowledge and skills to succeed in today's visually driven, information-rich world. The program includes courses across mediums that allows for students to pursue careers as photojournalists, as well as commercial photographers working in advertising, public relations and for magazines

and online publications. The program provides extensive training in photographic aesthetics and digital production, as well as conceptual and critical thinking about the ethics of photography and its role in the global market of expanding communication technologies such as the Web, photo podcasting, digital video and online digital portfolios. As such, the curriculum offers a foundation in core academics, creativity, critical thinking, writing by combining skilled-based courses in digital photographic production, as well as news writing, documentary filmmaking, graphic design, magazine publishing, advertising and public relations. These skills are combined with teachings in law, ethics and business practices to provide a complete approach to learning.

Major Area Requirements 57 credits that include:

- **Required courses:** 54 credits from COM 1001, COM 1002, JOU 1000, 1502, 2300, 3300, 3307, 3312, PHO 2100, 2200, 2201, 3200, 4200, 4600, TVF 1200, 2203 or 2204, 2302, 3203
- **Major elective:** 3 credits chosen from COM 2406 or 2301

Business Requirements: 3 credits from any business course.

Additional Liberal Arts Requirements: 9 credits that include ART 1660, MTH 1003 and a three-credit social science elective.

General Electives: 18–30 credits selected under the guidance of an advisor.

B.S. Public Relations

(Queens)

(126 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, and new media. Students gain the knowledge and skills necessary to succeed in today's information-rich, technologically-driven workplace.

Internship Program

The public relations program offers placement for select students to intern throughout New York in public relations firms, advertising and 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 48 credits that include

- **Required courses:** 30 credits from COM 1001, COM 1002, PRL 2100, PRL 2301, PRL 3400, PRL 4600, COM 2401, COM 2404, COM 2600, ADV 2100
- **Production courses:** 6 credits from COM 2290 and PRL 4601
- **Major elective:** 3 credits chosen from COM 4600, 4601, JOU 1000, MTH 1021, PRL 3401, 5001, 5002, 5003
- **Professional Elective courses:** 9 credits chosen from COM 3101 or 3102, CRJ 2000, HMT 1000, HSA 1100, HSC 1020, LES 1100, SPM 1003, 1018

Business Requirements: 9 credits from BLW 1001, MGT 1001, MKT 1001

Additional Liberal Arts Requirements: 6 credits that include MTH 1003 and a three credit social science elective.

General Electives: 21–33 credits selected under the guidance of an advisor.

B.S. Sport Management

(Queens, Staten Island)

(126 Credit Hours)

The purpose of the sport management program is to prepare graduates to manage a variety of diversified responsibilities in the business of sport at the professional, collegiate, secondary school or the community level, both globally and nationally. Integrating academic theory with the internship program provides students with the skills and practical experience needed for successful administration of a sport program.

The program of study is based on the curricular standards set forth by the North American Society for Sport Management. Seven "Common Professional Components" should be adequately covered within the content of undergraduate sport management programs; our curriculum is designed to meet or exceed the minimum requirement in each topic area. After completing the program, students will be able to:

- Critically evaluate the social, psychological and international foundations of sport.
- Demonstrate competency in the management and leadership dimensions of sport.
- Analyze the role of ethics in sport management.
- Prepare effective sport marketing and communication materials.
- Apply the principles of finance, accounting, and economics to the sport industry.
- Assess the impact of the law on the sport industry.
- Complete an integrative sport

management experience such as an internship.

The program also offers study abroad sport management courses as part of its curriculum. These courses provide students with a global perspective on issues related to the profession and an understanding of the role athletics play in international relations. The experience provides a unique opportunity for students in the program to gain an edge as future managers in the sports and recreation industry.

Globalization has changed the face of the sports industry, so St. John's has begun offering more study abroad courses as part of its sport management curriculum. Based on St. John's campus in Rome, Italy, these international sport management courses provide students with an understanding of the global development of sports, introducing them to a range of problems and issues confronting sports managers and the strategic thinking needed in an international era. A student exchange program with the University of Leicester (UK) provides students to complete an internship with professional rugby and basketball clubs in Leicester.

Internship Program

An internship program is available for qualified sport management students. These internships provide students with an opportunity to apply what has been learned in class to practical situations in the field. The experience gained through internships has assisted graduates in obtaining positions in public and media relations, advertising and sales promotion, marketing, ticket sales, finance, purchasing and the general administration of sports.

Our location in New York City and the partnerships that we have built over the past 30 years gives our students the opportunity to work with some of the best-known organizations in the sports industry. Our students have interned with virtually every major and minor league franchise, athletic facility, and college athletic department in the Greater Metropolitan area and beyond. Interns have also been placed with The National Football League, The National Basketball Association, Major League Baseball, FOX Sports, CBS Sports, and WFAN Radio to name just a few.

Sport Management Advisory Council

To ensure the continued effectiveness of the sport management program, St. John's benefits from an advisory council comprised of recognized leaders in various areas of the industry. The council members provide valuable guidance to ensure that the sport management curriculum conforms to the current needs of the industry.

Steve Cohen, *General Manager*, Brooklyn Cyclones

Melvyn Davis, ('73 CBA), *Director of Basketball Alumni Relations*, St. John's University

Lou D'Ermilio, ('81 SVC), Senior Vice President of Media Relations, Fox Sports

Kathleen Meehan, ('75 Ed), *Associate Vice President for Athletics*, St. John's University

Robin Pitts, Principal, High School of Sport Management

Robert Dranoff, Ed.D., ('78 SVC) *Commissioner*, East Coast Conference

Lenny Kaplan, ('88 SVC) *Director of Athletics*, New Jersey Institute of Technology

Larry McCarthy, Ph.D., *Associate Professor of Management*, Seton Hall University

Chad McEvoy, Ph.D., *Professor of Sport Management*, Syracuse University

George Moreira, ('91 SVC) *Manager of Pro Tournaments*, United States Tennis Association

Mike Verna, ('02 CPS) *Manager*, Activation and Development Partnerships, Madison Square Garden

Major Area Requirements 36 credits that include:

- **Required courses:** 27 credits from SPM 1001, 1003, 1004, 1006, 1010, 1014, 1018, 1022, 1032
- **SPM electives:** 6 credits chosen from SPM 1008, 1009, 1012, 1033, 1034, 1050, 1051, or 1052
- **Internship Requirement:** 3 credits chosen from SPM 1301-1306

Business Requirements: 21 credits from ACC 1007, BLW 1001, CUS 1102 ECO 1001, ECO 1002, MGT 1001, MKT 1001 (Students may qualify for a business minor by successfully completing ACC 1008 and MGT 1003 in addition to the business area requirement).

Additional Liberal Arts Requirements: 12 credits that include ENG 1006, SOC 1025, three credits from PSY 1001 or SOC 1001, and a three credit math elective.

General Electives: 15–27 credits selected under the guidance of an advisor.

B.S. Sport Management (Business Option)

Major Area Requirements 36 credits that include:

- **Required courses:** 27 credits from SPM 1001, 1003, 1004, 1006, 1010, 1014, 1018, 1022, 1032
- **SPM electives:** 6 credits chosen from SPM 1008, 1009, 1033, 1034, 1050, 1051, or 1052
- **Internship requirement:** 3 credits chosen from SPM 1301-1306

Business Area Requirements: 27 credits from ACC 1007, ACC 1008, BLW 1001, CUS 1102, ECO 1001, ECO 1002, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Core:

12 credits that include: ENG 1006, MTH 1003, SOC 1001 or PSY 1001, SOC 1025

General Electives: 9–21 credits selected under the guidance of an advisor.

B.S. Sport Management (Coaching Option)

Major Area Requirements 39 credits that include:

- **Required courses:** 36 credits from SPM 1001, 1003, 1004, 1006, 1010, 1014, 1018, 1022, 1032, 1050, 1051, 1052
- **Practicum requirement:** SPM 1053

Business Area Requirements:

21 credits from ACC 1007, ACC 1008, BLW 1001, ECO 1001, ECO 1002, MGT 1001, MGT 1003, MKT 1001

Additional Liberal Arts Core:

12 credits that include: ENG 1006, MTH 1003, SOC 1001 or PSY 1001, SOC 1025

General Electives: 12-24 credits selected under the guidance of an advisor.

B.S. Television and Film Studies (TVF)

(Queens, Staten Island) (126 Credit Hours)
(Day and Evening)

The baccalaureate in Television and Film Studies provides intensive study in television, video and in the theory, history, planning, scripting and producing of film and filmmaking. This background prepares the student for the Senior Project and for possible internships. Students can participate in WRED-TV, the co-curricular television club which produces Eye of the Storm (a bi-weekly cable program) and the Film Club, the co-curricular organization that produces short student film projects. Upper level and studio courses are offered only on the Queens campus. Internship credits are limited to six credits: 5001 and 5002.

Major Area Requirements 51 credits that include:

- **Required courses:** 15 credits from COM 1001, COM 2500, TVF 1200, TVF 4601, TVF 4602
- **Production Series:** 18 credits chosen from TVF 1230, 2200, 2202, 2203, 2204, 3200, 3203, 3204, 3220, 4200, 4205, COM 2200, 3281, 3283, 3284, 4281
- **Writing Series:** 6 credits chosen from TVF 2301, 2302, 2303, 3303, COM 2303
- **Major Area Electives:** 12 credits chosen from COM 2401, 2403, 3101, 3102, TVF, 1400, 1526, 2402, 2403, 3404, 3505, 4701, 4702, 4703, 5001, 5002 or any TVF course from 1501–1511.

Business Requirements: 12 credits from ACC 1007, BLW 1001, ECO 1001, MGT 1001, MKT 1001

Additional Liberal Arts Requirements:

6 credits that include a three-credit social science elective and a three-credit math elective.

General Electives: 15–27 credits selected under the guidance of an advisor.

Partnership with the New York Film Academy

Students who have successfully completed either the 1-year or 2-year certificate programs at the New York Film Academy may apply to the College of Professional Studies at St. John's for admittance with advanced credit toward a B.S. in Television and Film.

The New York Film Academy is located in Manhattan with two campuses, and has state-of-the-art equipment and professional faculty to aid in the training of the art of filmmaking. Related courses and programs such as screenwriting, acting, editing are also offered.

The combination of a one year or two year education at the New York Film Academy, together with a broad introduction to the liberal arts, as well as study in additional television and film courses at St. John's, leads to a distinguished education geared for the television or film industries.

Interested students from the New York Film Academy should contact the Dean's Office of the College of Professional Studies.

Partnership with the American Academy of Dramatic Arts

One of the oldest acting conservatories in the world, the American Academy of Dramatic Arts, located in Manhattan, offers an Associates Degree. In conjunction with the College of Professional Studies, students who successfully graduate from AADA, are awarded 60 credits toward a B.S. in Television and Film at St. John's.

AADA's program has seen such stars as Grace Kelly, Edward G. Robinson, Katherine Hepburn, Kevin Spacey, Adrien Brody and Danny DeVito as graduates of its program. Students learn all of the elements of acting, from voice, movement, make-up, costuming, while engaging in staged performances.

Students from AADA who are interested in pursuing a B.S. degree in Television and Film at St. John's should contact the Dean's Office at the College of Professional Studies.

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 Degree Core Requirements

Core requirements for ALL CPS associate degree programs (24 credits):

DNY 1000C*
ENG 1000C
ENG 1100C
HIS 1000C
SCI 1000C
PHI 1000C
PHI 3000C
THE 1000C

External transfer students are not required to complete DNY 1000C. Students should see the CPS Dean's office to determine an alternate course to meet this credit requirement.

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.

Additional Liberal Arts Requirements:

24 credits that include: SPE 1000C, a three-credit theology elective, a three-credit math elective, a credit social science elective, three credits chosen from ART 1000C, LAC 1000C or any foreign language elective and nine credits from any liberal arts or science elective.

General Electives: 12–15 credits selected under the guidance of an advisor.

Associate in Science Degree

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

27 credits that include:

- **Required Courses:** 21 credits from ACC 1007, ACC 1008, BLW 1001, MGT 1000, MGT 1001, ECO 1001, ECO 1002
- **Elective Courses:** 6 credits chosen from ECO 1003, 1011, 1015, MKT 1001

Additional Liberal Arts Requirements:

6 credits in math electives chosen with an advisor's assistance.

General Electives: 3–6 credits selected under the guidance of an advisor.

A.S. Electronic Data Processing (Computer Science)

(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:

18 credits from:

CUS 1115, 1116, 1126, 1147, 1156, 1165

Business Area Requirements: 6 credits from ACC 1007, ACC 1008

Additional Liberal Arts Requirements:

9 credits in math chosen from MTH 1007, 1008*, 1021*

*Qualified students may take MTH 1009 and MTH 1013 instead of 1008 and 1021.

General Electives: 3–6 credits selected under the guidance of an advisor.

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:

18 credits that include:

- **Required Courses:** 15 credits from CRJ 2000, 2001, 2002, 2003, 2004
- **Elective Course:** 3 credits chosen from any CRJ elective

Additional Liberal Arts Requirements:

9 credits from PSY 1001, SOC 1001, MTH 1003

General Electives: 9–12 credits selected under the guidance of an advisor.

A.S. Cyber 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, networking and telecommunications, computer security systems and elective courses.

Major Area Requirements:

18 credits from:

CUS 1115, 1116, CSS 1005, 1011, DFR 1001; NET 1011

Business Area Requirements:

6 credits from:

ACC 1007, ACC 1008

Additional Liberal Arts Requirements:

9 credits in math chosen from MTH 1007, 1008*, 1021*

*Qualified students may take MTH 1009 and MTH 1013 instead of 1008 and 1021.

General Electives: 3–6 credits selected under the guidance of an advisor.

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, networking and telecommunications and elective courses.

Major Area Requirements:

18 credits that include:

- **Required Courses:** 15 credits from CUS 1103, 1104, 1115, 1116, NET 1001
- **Elective Course:** 3 credits chosen from CUS 1126, 1147, 1165, 1172

Business Area Requirements: 6 credits from ACC 1007, ACC 1008

Additional Liberal Arts Requirements:

9 credits in math chosen from MTH 1007, 1008*, 1021*

*Qualified students may take MTH 1009 and MTH 1013 instead of 1008 and 1021.

General Electives: 3–6 credits selected under the guidance of an advisor.

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:

21 credits that include:

- **Required Courses:** 15 credits from LES 1100, 1101, 1102, 1004, 1015
- **Elective Courses:** 6 credits chosen from LES 1003, 1007, 1008 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1019, 1020, 1021, 1023, 1024, 1025, 1026, 1030, 1042

Business Area Requirements:

3 credits from ACC 1007 or MGT 1001

Additional Liberal Arts Requirements:

9 credits from PSY 1001, a three credit math elective and a three credit social science elective

General Electives: 3–6 credits selected under the guidance of an advisor.

**A.S. Networking and
Telecommunications (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, computer security, networking and telecommunication and elective courses.

Major Area Requirements: 18 credits from CUS 1115, 1116, CSS 1005, NET 1011, 1015 and 3 credits selected from NET 1021 or higher

Business Area Requirements:

6 credits from ACC 1007, ACC 1008

Additional Liberal Arts Requirements:

9 credits in math chosen from MTH 1007, 1008*, 1021*

*Qualified students may take MTH 1009 and MTH 1013 instead of 1008 and 1021.

General Electives: 3–6 credits selected under the guidance of an advisor.

**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:

21 credits that include:

- **Required courses:** 6 credits from COM 1001, TVF 1200
- **Production courses:** 9 credits from TVF 2200, TVF 2203 or 2204, TVF 3220
- **Major Elective courses:** Choose 6 credits from TVF 1400, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 2301, 2302, 2303, 2402, 2403, 3303, 3404, 3405, COM 2303, 2403, 2500, 3101, 3102

Additional Liberal Arts Requirements:

6 credits from MTH 1003, SPE 1000C

General Electives: 9–12 credits selected under the guidance of an advisor.

Minor Areas of Study

The following guidelines for minors have been approved by the College of Professional Studies Faculty Council:

- a. Minors are available only to students enrolled in baccalaureate programs.
- b. 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.
- c. 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.
- d. Students must have the written permission of the Dean.
- e. 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.
- f. The Pass-Fail option is not available in the fulfillment of minor requirements.
- g. The successful completion of a minor (with a minimum index of 2.0) is noted on the student's transcript.

Advertising

18 credits including MKT 1001, ADV 2100, ADV 3400, ADV 4402 plus 6 credits chosen from: Account Management and Media Planning and Buying Tracks—ADV 3401, 3402, 4601 or Creative Track—COM 2290, ADV 2301, 3200, 3301, 4600

Business

18 credit hours including ACC 1007, 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, 1040, REM 1003, 1013. 3 credits in electives can be chosen from CRJ 3112, HCS 1002, COM 2404, JOU 1402, HSA 1011, HSA 1038, SPM 1010, HMT 1007, NET 1021. NOTE: THERE IS NO OVERLAP BETWEEN MAJOR AND MINOR.

Computer Science

18 credit hours including CUS 1115, 1116, 1126, 1156 and six additional credits from CUS 1162, 1163, 1165, 1166, six credits of MTH is required

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 2000, 3103, 5066, 5203, and six 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 Security Systems

18 credit hours including CUS 1115, 1116; NET 1011; CSS 1005, 1011, DFR 1001

Digital Forensics

18 credit hours including CSS 1005, DFR 1001, DFR 1011 and 9 additional credits in digital forensics or CSS 1021

Event Management

18 credit including HMT 1000 or 1005; HMT 1030 or MGT 1001; HMT 1061 and 9 credits chosen from: HMT 1000, 1003, 1005, 1025, 1030, 1050, 1065, 1070, 1071, 1073. (Any HMT course can be taken once student has completed MGT 1001.)

Film Studies

18 credits including TVF 1200 and 1400 plus 12 credits from the following (at least 9 credits must be taken from CPS courses): TVF 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511 TVF 2301, 2302, 2303, 3220, 3303, 3404, 3405, 4205 COM 2500, ENG 1058, ART 1810, 1820, 1830, 1840, MUS 1240

Fire and Arson Investigation

18 credits including CRJ 2000, 3101, 3103, 3109, 3110, 3111

Food Service Management

18 credits including 1003; 1020; 1030 or MGT 1001; and 9 credits from HMT 1000, 1004, 1022, 1025, 1030, 1035, 1040. (Any HMT course can be taken once student has completed MGT 1001.)

Forensics

18 credits including 6 credits chosen from CRJ 2000, 2001, 2002 and 12 credits chosen from CRJ 2007, 3102, 3103, 3109, 3110, 3116, 3117, 3118, 4102, 5006, 5203, CSS 1001

Forensic Psychology

18 credits including 6 credits chose from: CRJ 2000, 2001, 2002 and 12 chosen credits from 3004, 3005, 3006, 3007, 3101, 3102, 3103, 3105, 3106, 3108, 3116, 3117, 4102, 5000, 5102, CSS 1001

Healthcare Informatics

For Computer Science, Computer Security Systems, and Networking and Telecommunications majors: 18 credit hours including HSA 1100, 1101, HCI 1001, 1002, 1015, 1021.

For Health and Human Services (Healthcare concentration only) majors: 18 credit hours including CUS 1115, 1116, HCI 1001, 1002, 1015, 1021.

For all other majors: 24 credit hours including CUS 1115, 1116, HSA 1100, 1101, HCI 1001, 1002, 1015, 1021.

Health Services

18 credits including HSA 1002, 1005, 1100 plus 9 credits chosen from: HSA 1003, 1011, 1012, 1020, 1101

Homeland and Corporate Security

18 credits including HSC 1001, 1003, 1004, 1007 plus 6 additional credits chosen from HSC 1002, 1006, 1009, 1010, 1012, 1013, 1014, 1015, 1017, CRJ 3101, 3107, 3108, 3112, 3116, CSS 1001, CUS 1106.

Hospitality Management

15 credits including HMT 1000, 1003, 1005, 1061 and 3 credits from chosen any HMT elective (except HMT 1009, 1094, 1095).
NOTE: THERE IS NO OVERLAP BETWEEN MAJOR AND MINOR

Human Services

18 credits including HSC 1020, 1060, 1071, 1074, 1072 (or 1100) and 1073 (or 1102)

Information Technology

18 credit hours including CUS 1103, 1104, 1115, 1116; NET 1001 and 3 credits chosen from CUS 1126, 1147, 1165, 1172

International Communications

24 credits to be satisfied through completion of one of the following options:

Non-Study Abroad Option: COM 1001, COM 3101, COM 3102, 6 credits in foreign language and 3 credits from each list:

LIST I: GOV: 2650, 2660, 2690, 3630, 3710/ASC 2710, GOV 3720/ASC 2710, 3820

LIST II: ASC 1230 or ASC 1250

LIST III: GEO 1001, ENG 1069, TVF 1508

Study Abroad Option: COM 1001, COM 3101, GOV 1610, 3 credits chosen from COM 3102*, 7001, 7002, 6 credits in a foreign language, 6 credits taken with the Study Abroad Program. An Internship abroad is available to those with excellent foreign language skills and a minimum cumulative GPA of 2.75.

** Students opting to do a semester in Rome are advised to complete COM 1001, COM 3102 and 6 credits in language before departure and COM 3101A and GOV 1610A as part of their Rome semester.*

International Studies

18 credit hours to be satisfied through completion of any combination of the following:

- Courses offered by St. John's which are based outside the U.S. such as Study Abroad courses
- Courses that have an international and/or comparative focus as their primary area of study. (HIS 1000C and ENG 1100C CANNOT be used for the minor)
- A maximum of two courses at St. John's in a foreign language

Journalism

18 credit hours including JOU 1000 (or COM 1001), JOU 2300, (or COM 2301), JOU 1402 or JOU 1500 and 9 credits of JOU courses

Legal Studies

18 credits including LES 1100, 1101, 1102, 1015 and 6 credits selected from the following: CUS 1107, CRJ 3112, or any LES elective except LES 1005, 1006, 1022

Lodging Management

18 credits from HMT 1000; 1001; 1030 or MGT 1001; and 9 credits from HMT 1002, 1045, 1055, 1065, 1072, 1074. (Any HMT course can be taken once student has completed MGT 1001.)

Mass Communications

18 credit hours including COM 1001 and 15 credits chosen from offerings in mass communications, advertising, communications, journalism, public relations and television and film

Mathematics

(Designed for students in the CUS major.)

A minor in Mathematics is a 30-credit minor that requires 12 credits to be chosen from Mathematics courses numbered MTH 1009 or above, (except MTH 1021) in addition to the core Mathematics requirement. MTH 1011 is required

Media Graphics

COM 2290 (or FNA Electronic Media) plus 15 credits chosen from the following (at least 12 credits must be taken from College of Professional Studies courses): COM 3292, 3294, 3295, ART 1105, 1110, 1130, 1290, 2125

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.

Networking and Telecommunications

18 credit hours including CUS 1115, 1116, CSS 1005, NET 1011, 1015 and 3 credits from NET 1021 or higher

Photojournalism

18 credit hours including PHO 2100, 2200, 2201, 3200, 4200, 4600

Public Relations

18 credit hours including ADV 2301, PRL 2100, 2301, 3400, 4600, and 3 credits from COM 2209, COM 2290 or COM 2301

Sport Management

18 credit hours including SPM 1001 plus 15 credits chosen from SPM 1003, 1004, 1006, 1010, 1014, 1018, 1022, 1032

Television Studies

18 credits including TVF 1200 and 2200 plus 12 credits selected from: TVF 1501, 1502, 2202, 2203, 2204, 2301, 2302, 2303, 2402 TVF 3200, 3203, 3204, 3303, 4200, 4205 COM 2401, 2500

Tourism Manangement

18 credits including HMT 1005; (1030 or MGT 1001); (1070 or 1071); and 9 credits from HMT 1000, 1061, 1073, 1074, 2001A (Any HMT course can be taken once student has completed MGT 1001.)

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*

John Otero, M.A., *Director of Cyber Security Systems*

Frank Servas, Jr., MPhil. *Director of Student Advisement and Program Review*

Criminal Justice and Legal Studies

Jeffery Grossman, J.D., Ph.D., *Chair, Criminal Justice Program and Legal Studies*

Howard Abadinsky, Ph.D., *Assistant Chair, Criminal Justice Program and Legal Studies*

Antoinette Collarini Schlossberg, Ph.D., *Director of Undergraduate Criminal Justice Program*

Bernard Helldorfer, J.D., *Director of the Legal Studies Program*

Angelo Pisani, Ph.D. *Director of Undergraduate and Graduate Criminal Justice, (SI)*

English and Speech

Claire O'Donoghue, M.A., *Chair, English and Speech*

Sport Management

Glenn Gerstner, M.B.A., *Chair, Sport Management, Director of the Graduate Sport Management Program*

Terrence Eddy, Ph.D., *Director of the Undergraduate Sport Management Program*

Humanities

Craig Baron, Ph.D., *Chair, Humanities*

General and Liberal Studies

Jack P. Franzetti, Ph.D., *Director of the Liberal Arts Program*

Mass Communication

Richard Thomas, M.F.A., *Chair, Mass Communication, Journalism and Television, Film Studies*

Judith Cramer, Ph.D., *Director of the Communication Arts Program*

Deborah Greh, Ed.D., *Director of the Communication Arts Program, Staten Island*

Steven Jarmon, M.A., *Director of the Public Relations Program*

Mark Prendergast, M.A., *Director of the Journalism Program*

John Swan, M.B.A., *Director of the Advertising Communications Program*

Alla Baeva, M.A., *Director of the TV and Film Studies Program*

Social Sciences

Louis Gesualdi, Ph.D., *Chair, Social Sciences*

Joan Tropnas, 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. *Credit: 3 semester hours.*

1008 Fundamentals of Accounting II

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).*

Intermediate Accounting classes are offered through the Tobin College of Business

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.*

Administrative Studies (ADS)

(Queens, Staten Island, Distance Learning)

2000 Leadership Development

An interactive exploration of personal leadership development involving active learning on the part of each student as an essential component of this course. The course will examine a broad range of areas associated with effective leadership, including leadership language, theory and style.
Credit: 3 semester hours.

3000 Internship in Administrative Studies

Prerequisites: Permission of the Director/Chair, completion of at least one Business course, one Technology course, and two Social Science courses. Must be a Junior or Senior, and have a minimum GPA of 2.5. *Credit: 3 semester hours.*

Advertising Communication (ADV)

(Queens)

2100 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.* (cf.: MKT 1002)

2301 Advertising Copywriting I

Prerequisite: ADV 2100. 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.*

2400 Creative Strategy and Consumer Research in Advertising

Prerequisite: ADV 2100. A synthesis of consumer behaviors, perceptions, and segmentation will be utilized to develop highly targeted audiences and relevant creative strategies that will result in ads that resonate with potential consumers. Through the use of in-class lectures, readings, real world examples, industry expert guest speakers and a team based, "creative work plan" project, advertising students will become familiar with the process of account planning and the tools and practices necessary to manage the process of delivering efficient, effective, creative strategies in advertising. *Credit: 3 semester hours.*

2500 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.*

3200 Advertising Production

Prerequisite: ADV 2100. This course engages students to explore and collectively solve an applied advertising problem. Students

learn fundamental creative concepts and digital design production techniques for print, web, and broadcast with the goals of conceptualizing, designing and producing actual ads. *Credit: 3 semester hours.*

3301 Advertising Copywriting II

Prerequisite: ADV 2301. 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 an advertising agency. *Credit: 3 semester hours.*

3400 Integrated Advertising Communication

Prerequisite: MKT 1001 and ADV 2100. 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.*

3401 Advertising Media Planning

Prerequisite: ADV 3400. 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.*

4402 Modern Account Management

Prerequisite: ADV 3400 and Senior Status, Advertising Majors Only In an evolving world of advertising, traditional methods of the advertising account executive are simply not enough to lead increasingly sophisticated Integrated Advertising Communications teams. Advertising students will become familiar with the tools and practices necessary to manage the process of delivering efficient, effective, brand-focused IAC advertising programs. *Credit: 3 semester hours*

4600 Advertising Portfolio

Students are provided with an opportunity to develop a digitally designed, print-based portfolio book, a multimedia-based web portfolio, and/or a broadcast reel. Final grading is assessed on completion of an effective portfolio(s) that meets advertising industry standards. Students are free to use a variety of digital tools to create their advertising portfolios. *Open to juniors and seniors only.* (Cf: PRL 4601) *Credit: 3 semester hours.*

4601 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.*

5001 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.*

5002 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.*

5003 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.*

5004 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.*

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.*

1008 Anatomy and Physiology

An introduction to the anatomy and physiology of the human body. The major systems of the body will be studied, emphasizing structures, functions, and mechanisms. Topics will be supplemented with clinical information and terminology relevant to the healthcare profession. *Credit: 3 semester hours.*

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.

1025 Real Estate Finance

Prerequisite: BLW 1001. Real Estate Finance is a business law and finance course examining federal, state and local laws which pertain to the real estate industry. It includes the topics of estates in land, forms of ownership, easements and covenants, transfer of ownership, land contracts, deeds, mortgages, leases, liens, and property taxes. The primary goal of the course is to familiarize students with the history and practice of real property law and finance and the fundamental legal and financial requirements and issues that are encountered in the management of real estate.
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. Intersession 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.

1050 Legal Aspects of the Entertainment Industry

Prerequisites: BLW 1001 and 1005. Entertainment Industry Law is a theory law course examining the legal environment of the major branches of the entertainment industry. Students will examine the application of laws and regulations deriving from contract, tort, labor, intellectual property, agency, privacy,

and other areas to various branches of the entertainment business, such as film, television, radio, live theater, music, and publishing.
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. Intersession 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.

Communication Arts (COM)

(Queens, Staten Island)

1001 Introduction to Mass Communications

An examination of the role of the mass media significant aspects of contemporary life as they relate to culture, politics, and education.
Credit: 3 semester hours.

1002 Multimedia Communication

This course is designed to introduce students to critical thinking, writing, and media skills necessary to communicate effectively. A multimedia survey course which integrates critical thinking and writing skills with the sounds and images of media platforms such as radio, television, and the Web. Student will apply theory and skills in effectively target audiences. *Credit: 3 semester hours.*

2201 Introduction to Broadcasting and Announcing

Prerequisite: SPE 1000C. An introduction to the radio environment and radio broadcaster's role. Students acquire skills in audio recording, analysis, interpretation and communications in a variety of announcing projects. Laboratory fee: \$30. *Credit: 3 semester hours.*

2204 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.*

2209 Survey of Television Production

A general overview of the TV production process: studio and field, editing, graphics and performance. Designed both for

noncommunication and communication majors who do not intend to progress to more advanced television classes. (*Not open to TVF majors*) *Credit: 3 semester hours.*

2280 Introduction to Motion Picture Graphics and Animation

Prerequisite: COM 1001. 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.*

2290 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.*

2401 New Media

Prerequisite: COM 1001. An examination of the electronic and digital technologies of mass media. Topics include the technological background of cable, satellites, social media, fiber optics, digital television. *Credit: 3 semester hours.*

2402 The Business of Radio

Prerequisite: COM 1001. The commercial and public aspects of radio broadcasting, including ratings, research, selling, advertising/underwriting promotion, public relations, and technical operations. *Credit: 3 semester hours.*

2403 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.*

2404 Law of Public Communication

Prerequisite: BLW 1001. A survey of contract law and the role of government regulation relating to the communications industry. *Credit: 3 semester hours.*

2405 Ethical Values for Communications

Prerequisite: COM 1001. The ethical concepts and problems involved in print media, radio, television, film, theater and advertising. *Credit: 3 semester hours.*

2500 Visual Aesthetics

Prerequisite: COM 1001. 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.*

2570 Video Games and Gaming

An overview of the history and genres of video games, and of the video game industry,

critical analysis and evaluation of the content of games and the social and emotional aspects of gaming. Attention will be given to the social and ethical implications of human-computer interactions. *Credit: 3 semester hours.*

2600 Seminar in Communications Research

Prerequisite: COM 1001. 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.*

3101 International Communications: Europe

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.*

3102 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.*

3103 International Communication and Global Development

Prerequisite: Juniors and seniors only. Students will learn how communication plays a central role in global development in a pluralistic society. This course encompasses a broad range of theoretical and historical studies of communication and media, their role in shaping and effecting public policy, and understanding development communication, development of global communication structures; a particular focus will be paid to development media and the inter-relationship between communication and development, and advocacy communication. *Credit: 3 semester hours.*

3202 Radio Production Workshop

Prerequisite: SPE 1000C and COM 2201. 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.*

3281 Motion Graphics I

Prerequisite: COM 2280. 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.*

3283 Animation I

Prerequisite: COM 2280. Students learn fundamentals of 2d animation, content development in animation and new design concepts utilizing current animation software. *Credit: 3 semester hours.*

3284 3-D Animation

Prerequisite: COM 3283. 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.*

3292 Publication Graphics

Prerequisite: COM 2290. 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 COM 3292. *Fee: \$30. Credit: 3 semester hours.*

3294 Web Design and Development

Prerequisite: COM 2290. 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.*

3295 Advanced Graphics

Prerequisite: COM 3281. 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.*

3296 Multimedia Screen Design

Prerequisite: COM 2290. 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.*

3402 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.*

4281 Motion Graphics II

Prerequisite: COM 3281. 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.*

4600 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.*

4601 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.*

4701, 4702, 4703 WSJU Radio Practicum

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.*

5001 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.*

5002 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.*

5003 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.*

5004 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.*

7000 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.*

8001 Mass Media in Russia

This study abroad course examines history, politics, structure, business and content of mass communication and media industries in Russia. During the course, students will contrast and compare mass media in the former Soviet Union and in the present Russian Federation with that of the United States. *Credit: 3 semester hours.*

Computer Science (CUS) (Queens)

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.*

1107 Computer Applications in the Law Office

Prerequisite: LES 1100. 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.*

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.*

1115 Computer Programming Fundamentals I

Introduction to computer programming concepts and applications using a current, object-oriented programming language. *Credit: 3 semester hours.*

1116 Computer Programming Fundamentals II

Prerequisite: CUS 1115. An intensive treatment of programming techniques, algorithmic problem solving, and software design. Topics include fundamental data types, objects and classes, control structures, arrays,

and object-oriented design. *Credit: 3 semester hours.*

1123 Assembler Language

Prerequisite: CUS 1116. 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.*

1126 Introduction to Data Structures

Prerequisite: CUS 1116. Introduction to data structures concepts, including lists, stacks, queues, and trees using Java. Students will learn how to implement algorithms to perform specific tasks such as sorting and searching, and will also explore the use of graphical user interfaces. *Credit: 3 semester hours.*

1131 Business Data Management

Prerequisite: CUS 1126. 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.*

1145 Unix Operating System

Prerequisite: CUS 1126. 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.*

1148 Introduction to XML

Prerequisite: CUS 1126. A review of XML source documents, Document Type Definitions, XSD Schemas, XSLT (the presentation technology), XPATH, XML Web services (includes UDDI, WSDL Contracts, and DISC Advanced C#.NET Programming and Web Service). *Credit: 3 semester hours.*

1151 Advanced Data Structures

Prerequisite: CUS 1126. 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 1126. 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 1126. 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.*

1156 Software Design Methods

Prerequisite: CUS 1126. Intermediate software design in an object-oriented environment. Students will learn effective software design and development methods, including test-

driven development, object-oriented design, the role of concurrency, and the use of frameworks and design patterns. *Credit: 3 semester hours.*

1159 Advanced C#.NET Programming and Web Services

Prerequisite: CUS 1126. A review of the Microsoft.NET Framework 3.0; fundamentals of the C# programming language; an in-depth review of classes, data types, keywords, inheritance and polymorphism; operator overloading, struts and interfaces, object-oriented programming strings and regular expressions, exception handling, event-driven programming, and properties. *Credit: 3 semester hours.*

1161 Logical Design

Prerequisite: CUS 1126. 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 1126. 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 1126. 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 1126. 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 1116. 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 1156. 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 1126. 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 1126. 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 Web Enabled Databases and ASP. NET

Prerequisite: CUS 1165 or HCI 1021. An introduction to web enabled databases and web services programming utilizing the services of ASP.NET 2005, the .NET Framework 2.0, C#.NET, and Active Data Objects (ADO.NET). Students will learn about ASP.NET events, server-side controls, both basic and advanced controls. Tracing, debugging, and error handling in ASP.NET is examined. Students also learn to apply the fundamental concepts of Web Data Access, while interacting with databases and XML files. Additionally, Application Logic and Configuration focuses on deployment using XML Config files. *Credit: 3 semester hours*

1171 Distributed Operating Systems

Prerequisite: CUS 1126. 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 1126. An introduction to designing and programming web pages. Topics will include elements of HTML, graphics, tables, frames, forms, CGI Scripts and JavaScript applications. Additional related topics will be explored as they become popular Internet authoring tools. *Credit: 3 semester hours.*

1173 Dynamic Web Page Development

Prerequisite: CUS 1172. A second course in designing and programming web pages. Topics will include JavaScript objects, the theory and history of DHTML, controlling the placement and appearance of objects on a web page, dynamic content and styles, image object properties and event handlers, and cross-browser web page design. Additional related topics will be explored as they become popular Internet authoring tools. *Credit: 3 semester hours.*

1174 Artificial Intelligence

Prerequisite: CUS 1126. 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.*

1176 Electronic Commerce

Prerequisite: CUS 1116. 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.*

1178 Service-Oriented Architecture, Technology, and Design

Prerequisites: CUS 1148, CUS 1159, 1165, 1169. An intensive introduction and review of the evolution of Service-Oriented Architecture and Web Services. Utilization of the services of XML, SOAP, WSDL, the .NET Framework, and J2EE. Interoperability between diverse platforms, systems, and programming languages. *Credit: 3 semester hours.*

1179 Data Mining

Prerequisite: CUS 1165 or HCI 1021, MTH 1014. 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 1126 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 1126. 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.*

1185 Data Security and Cryptography

Prerequisite: CUS 1116. 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 1126. 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 1126. 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 1126. 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.*

1194 Special Topics in Computer Science

Prerequisites: CUS 1126 and the permission of the Director. Selected topics from recent advances in computer science and technology. Course content will vary from year to year. Students must be juniors or seniors to register. *Credit: 3 semester hours.*

1196 Individual Research: Topics in Hardware

Prerequisite: CUS 1126 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 1126 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.*

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.*

2007 Crime Scene Investigation

This course will introduce students to the basic scientific techniques applied in crime scene investigation. Emphasis will be placed on crime scene protection and the development, collection, packaging, and processing of physical evidence found at the crime scene. The writing of evidence reports and preparation for testifying in court will also be major focuses of the course. *Credit 3 semester hours.*

2009 Crime Mapping

This course will introduce students to the use of geographical information systems to conduct spatial analysis of crime and other events. Focus will be on creating maps to display analysis results. Students will learn the theoretical framework, analytic procedures, and skills necessary to study, design, and implement crime prevention programs using crime mapping techniques. *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.: HCS 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 Use and Abuse

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 HCS 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. *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.
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. Intercession 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. Intercession and pre-session only. (SI)

3204 Crime Mapping Practicum

Through a series of step-by-step exercises, students will be introduced to crime mapping using ARCGIS software. The major focus will be on designing maps and using them for crime prevention and analysis. *Credit: 3 semester hours. Intercession and Pre-Session only*

3205 Emergency Preparedness, Response and Planning for Hazardous Materials

This course will provide a basic understanding of techniques for in-house or on-site emergency response contingency planning. Students will develop plans that emphasize assessment, equipment requirements, collateral support agreements and actual response. Definitions will be covered which will promote and facilitate discussions concerning planning and response and provide a framework upon which the student can engage in problem formulation. *Credit: 3 semester hours.*

3206 Terrorism and Emergency Management

The purpose of this course is to investigate the role of emergency management in response to the growing threat of domestic and international terrorism. To achieve this goal the course will define what terrorism is, discuss why politically motivated acts of violence occur, and provide an overview of terrorists groups and their tactics of intimidation and fear. The course will also uncover the effects of terrorism (including those emanating from weapons of mass destruction) and compare how their consequences are both similar to and different than other types of natural and technological disasters. Utilizing recent legislation and policies regarding crisis and consequence management as a framework, the steps that emergency management agencies and others are taking to deal with terrorism are identified.
Credit: 3 semester hours.

3207 Emergency Management and Homeland Security Law

This course is designed to provide an overview of homeland security law and policy. Emergency response, emergency management, and terrorism after 9/11 will be discussed. Several topics including the law for first

responders, incident management, weapons of mass destruction, volunteers, Governors' powers, FEMA, Department of Homeland Security, civil rights, and international anti-terrorism efforts will be explored. *Credit: 3 semester hours.*

3208 Sociology of Disaster

The focus of this course will be on human behavior in a natural and man-made disaster e.g., hurricanes, tornados, earthquakes, floods; and chemical spills, nuclear power plant accidents, riots, etc. Case studies of a number of disasters will be used to illustrate the material discussed. In addition, students will be introduced to the emerging profession of "emergency management and contingency planning" and acquire an understanding of the general precepts of disaster planning. *Credit: 3 semester hours.*

3209 Computer Applications in Emergency Management

This course provides the student with an introduction to the use of computer technology in emergency management. Spreadsheets, database applications, and electronic communications will be covered. Specific computer programs currently used in use for contingency planning, tracking chemical inventories and response resources, modeling of toxic plumes, and decision making during disasters will be explored. Hazard and risk evaluation will be covered along with attendant hazard identification, vulnerability analysis, risk and consequence analysis. *Credit: 3 semester hours.*

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 Forensic Psychology II

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.*

4108 Criminal Justice Classical Writings

In this seminar for seniors, the classical writings in the field of criminal justice will be analyzed. The original writings from authors such as Cesare Beccaria, Felix Frankfurter and John Augustus, which pertain to the development of criminal justice legislation, the judiciary, police, corrections, and criminology that have had a major impact on the development of the system, will be read and discussed in relation to contemporary developments in the field. *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 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 Security Systems (CSS) (Queens)

1001 Introduction to Information Security

An introduction to the various technical and administrative aspects of information security and assurance. Topics covered include understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. *Credit: 3 semester hours.*

1005 Fundamentals of Cyber Security

Issues involving hackers, malware, social theories, protocols, firewalls, and intrusion detection will be addressed. The prevention and containment of intrusion incidents, the incident response process, and the forensic examination of a computer will be discussed.
Credit: 3 semester hours.

1006 Management of Information Security

Prerequisite: CSS 1005. Information security management logistics, consisting of organizational, process, operational, and technology domains. The main focus will be on the analysis and management of information security systems and their architectures
Credit: 3 semester hours.

1008 Healthcare Information Security

Prerequisite: CSS 1005 or HCI 1001: Introduction to the computer and networking methodologies used within healthcare environments to achieve healthcare privacy and the security of electronic medical records.
Credit: 3 semester hours.

1011 Network Security

Prerequisites: CSS 1005 and NET 1011. Network security fundamentals, including network defense, network auditing, psychological approaches to social engineering attacks, Web application attacks, penetration testing, data loss prevention, cloud security, and disaster continuity planning.
Credit: 3 semester hours.

1012 Network Perimeter Security

Prerequisites: CSS 1011. An examination of the critical defensive technologies needed to secure network perimeters. The main focus will be on network security threats and goals, advanced TCP/IP concepts, router security, intrusion detection, firewall design and configuration, IPSec and virtual private network (VPN) design. *Credit: 3 semester hours..*

1015 Wireless Security

Prerequisite: CSS 1011. An understanding of how wireless technology is used to commit crimes will be considered with emphasis on their prevention. The student will have hands-on involvement with common tools used to attack wireless systems in order to recognize and understand how to defend against them. The course will address issues involving hackers, malware, and intrusion detection.
Credit: 3 semester hours.

1018 SQL and Cloud Database Security

Prerequisite: CUS 1005 and CUS 1165. Techniques and industry accepted methodologies for achieving database security, with emphasis on essential best practices in cloud and Big Data security. Various security breaches related to web attacks, SQL injection, and Cross Site Scripting (XSS) will be analyzed.
Credit: 3 semester hours.

1021 Cyberlaw and Ethics

Prerequisite: CSS 1005. 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.*

1025 Intermediate Linux and UNIX Security

Prerequisites: CSS 1011, CUS 1145: An examination of the principal methods for maintaining the security and integrity of the UNIX and Linux operating systems.
Credit: 3 semester hours.

1032 Cyber Threats and Detection

Prerequisite: CSS 1011. An examination of protocols, scanners, rootkits, trojans, worms, and viruses as they are used in the commission of a network intrusion. An overview of the prevention and containment of an intrusion incident as well as the methodology of the incident response process will be presented.
Credit: 3 semester hours.

1091 Computer Security Systems 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 security systems.
Credit: 3 semester hours.

Digital Forensics (DFR) (Queens)

1001 Introduction to Digital Forensics

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 Network Forensics

Prerequisite: DFR 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: DFR 1001. 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.

1011 Advanced Computer Forensics

Prerequisites: DFR 1001 and CSS 1005. Identification and preservation of digital evidence via advanced techniques applied to various operating systems, including those on mobile devices, Linux, Macintosh, and virtual environments. Topics include: file structure, boot process, computer forensic tools, digital evidence controls, data acquisition, metadata analysis, registry analysis, and image file recovery. *Credit: 3 semester hours.*

1015 Digital Incident Response and Crisis Management

Prerequisites: DFR 1001 and CSS 1005. Techniques used to prepare for and execute a proper digital incident response involving corporate or governmental organizations. Topics include contingency planning, how to profile an intruder's digital fingerprints, proper identification of digital evidence, and deploying of appropriate resources during a major network intrusion investigation.
Credit: 3 semester hours.

1021 Malware Analysis and Reverse Engineering

Prerequisite: DFR 1001, CSS 1011 and CUS 1116. Concepts and techniques that will prepare students to become effective malware analysts. Topics include basic malware characteristics and propagation, attack vectors, and reverse engineering of malware from

multiple sources using programming languages such as JavaScript and VBScript. *Credit: 3 semester hours.*

1031 Forensic Investigation of Wireless Networks and Mobile Devices

Prerequisite: DFR 1011. Methods of identifying, tracking, and apprehending cyber criminals who utilize wireless networks and mobile devices such as PDA, iPod, iPhone, Android, and BlackBerry to commit cybercrimes. Students will learn how to collect and process evidence in a forensically sound manner, and will gain hands-on experience working with case studies. *Credit: 3 semester hours.*

Dramatic Arts (DRM)

1200 Introduction to Acting Technique

This course will introduce students to the "actor's process," with concentrate on the actor developing the basic skills of imagination, focus, sensory awareness, expressiveness and working collaboratively with fellow actors. Special emphasis will be given to internal and external demands of a performance, including the actor being aware of his or her emotional and physical habits which could occlude a performance. Students will be expected to prepare and perform monologues and scenes, and the class will culminate with the actor performing a scene with a fellow actor before an invited audience. *Credit: 3 semester hours.*

1505 Actors on Film: Silent Era to Contemporary Cinema

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 aesthetic development. *Credit: 3 semester hours.*

2200 Intermediate Acting Technique

Working in a studio setting, students will sort through the creative and theoretical challenges actors face in developing honest and persuasive performances for both the stage and camera. The first half of the course will be devoted to students honing their creative and professional skills by working collaboratively with their fellow actors in groups of two or more. The second half of the semester will concentrate on students making the transition from the stage to the camera, first by way of monologues then in scenes. As part of this process, students are expected to direct and block their performances for the camera, understand on-camera terminology, specific angles and framing, and how an on-camera performance differs from one prepared for the stage. Finally, students should be continuously crafting their creative techniques for performing, developing their artistic and theoretical philosophy of acting, and demonstrating a critical eye for how to "read" a performance. *Credit: 3 semester hours.*

3200 Acting For Film

(Prerequisites: DRM 1200, TVF 2202) This course will build upon the acting techniques and on-camera performance skills learned in Introduction to Acting Technique and Television Performance with greater emphasis on the actor's capacity to deconstruct and interpret a character, script analysis, directing and acting for the camera with a focus on the language of film. Students will also study acting as a social and ethical exercise toward understanding groups and individuals. Laboratories will concentrate on the actor's ability to develop a relationship to the dramatic text, his or her character, and the willingness to explore the scope of human emotions that ultimately influence a performance. A survey of Stanislavsky's "The Method" and Sanford Meisner, Lee Strasberg, Jerzy Grotowski (among others) will also be covered. *Credit: 3 semester hours.*

3300 Playwriting

This course is designed to expand the actor's creative and critical understanding of performance by teaching him or her to write for the stage. Through the reading of plays, class workshops and collaboration with his or her fellow actors, students will sort through the artistic, theoretical and professional challenges of developing and writing an original one-act play for public exhibition. *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.*

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.*

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.*

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.*

1050 Financial institutions of the European Union

This course is designed to acquaint the student with the types and functions of financial institutions within the Union. The institutions studied will be the European Central Bank, the European Investment Bank, and the European Investment Fund. The goals of the European Bank for Reconstruction and Development will also be studied. The role of the Court of Auditors will also be examined, as will the aims and the tools of FIN-NET, the Cross-border Out-of-Court Complaints Network for Financial Services Disputes Settlement System. *This course is offered exclusively online. Credit 1 semester hour.*

1060 Making Sense of Market Data and Economic Indicators

Pre-requisite: ECO 1001. Designed to introduce economic indicator analysis, this course will examine where the economy is in the business cycle and place each indicator in a framework offering better understanding of the seemingly contradictory market reactions to released indicators. It will provide skills for interpreting and reporting on government and corporate data and critically analyze news and data from financial and economic news sources. *Credit: 3 semester hours.*

1061 Financial Services Regulations

Financial Services Regulation examines the banking and financial services industries, including studies of the most highly regulated functions of banks and other financial firms, the reasons for regulating each of the key areas or functions, the agencies regulating the industries, and the regulations relating thereto. The primary goal of the course is to familiarize students with current financial services regulation from enforcement and compliance perspectives. *Credit: 3 semester hours.*

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.*

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.*

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 470 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.*

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). *Intercession 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.*

1074 Writing about Music: Pop, Rap, Rock, and More

Prerequisites: ENG 1000C and ENG 1100C. In this writing intensive course, students will learn to write about popular music in its various forms: pop, rock, rap, jazz, etc. Students will develop their skills at writing features, profiles, reviews, and interviews. *Credit: 3 semester hours.*

1076: Italian-American Literature

This course explores the depiction of Italian-American identity in fiction, non-fiction, and poetry by Italian-American writers beginning with narratives of immigration to current work by assimilated writers. Challenging stereotypes, this course explores the changing family relationships, gender definitions, and social and political concerns expressed in the literature. The contribution this literature makes to American literature will be explored. *Credit: 3 semester hours.*

1078 The Literature and Language of Sports

Prerequisites: ENG 1000C, ENG 1100. This course will examine sport as subject, symbol, motif, and metaphor in literary and artistic texts including novels, short stories, plays, poems, essays, painting, and film. The writing-intensive course will analyze the intersection of literary texts and sport to discover what sport reveals about our culture and character. Students will be offered opportunities to develop their skills at writing creative and critical essays. *Credit: 3 semester hours.*

1079: The Harlem Renaissance

This course begins in the roots of the Renaissance: the Great Migration, and explores the three stages of the Harlem Renaissance: the Bohemian Renaissance (1917 through 1923), the Talented Tenth Renaissance (1924 to mid-1926), and the Artists’ Renaissance (mid-1926 through 1935). The course’s focus will be the entire New Negro Arts Movement of the early 20th century and will include reading, studying, and analyzing Renaissance essays, which present the competing ideas and philosophies of the period; a sampling of poetry, novels, and/or plays of the era; the influence of music, especially blues and jazz, on literary works; and the period’s nexus to civil rights progress. Also explored will be the parallel mass movement led by the charismatic Marcus Garvey, which is a separate but contemporaneous social force. Students will engage literature through reading, studying, discussing, assessing, and writing about the essays, poems, novels, and/or plays selected. *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 can contact AAMI for full course descriptions.

Healthcare Informatics (HCI) (Queens)

1001 Introduction to Healthcare Informatics

An introduction to information technology as it is applied to health care and health related organizations. An examination of how information is captured, converted and stored in machine readable form and used in the various facets of the health care system; the impact of Electronic Medical Record (EMR) and mobile computing on the healthcare system. *Credit: 3 semester hours.*

1002 Healthcare Information Flow and Data Management

Prerequisites: CUS 1115, HCI 1001. A study of the flow and use of health information through healthcare processes and across healthcare systems, through the generation of information, documentation of encounters, and subsequent storage and access. An in depth examination of the role of electronic documents in healthcare information systems in relation to privacy, confidentiality, information security and the Health Insurance Portability and Accountability Act. *Credit: 3 semester hours.*

1011 Medical Terminology and Healthcare Classifications

A study of the grouping and classification of health-related terminology, and its encoding in machine-readable representation for storage and access; the design of messages for various tasks and information systems. An exploration of MeSH, SNOMED and UMLS, using health data terminologies. *Credit: 3 semester hours.*

1015 Data Standards, Vocabularies and Interoperability in Healthcare

Prerequisites: HCI 1001 and CUS1126. Discussion of the nomenclatures, vocabularies, and ontologies that are used to represent medical information, and the data standards that are used for interchange of clinical data. Issues and problems in clinical data interoperability, both within and between healthcare organizations will also be discussed. *Credit: 3 semester hours.*

1021 Healthcare Database Management Systems

Prerequisites: CUS 1116 and HCI 1002. A study of the design of databases used in healthcare. Types of database architectures, normalization techniques, file and access techniques, query and update languages, data integrity, use of health record systems, and applications of databases to support the healthcare system. *Credit: 3 semester hours.*

1022 Healthcare Enterprise Systems

Prerequisite: HCI 1021. A study of healthcare enterprise systems used for patient support, decision support, and administrative processes; diagnostic imaging systems; data integration; application integration; web services; human-computer interface design; system integration; system evaluation; HL7 messaging; distributive health care technologies. *Credit: 3 semester hours.*

1091 Healthcare Informatics 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 healthcare informatics. *Credit: 3 semester hours.*

Health and Human Services (HHS) (Queens)

3000 Introduction to Health and Human Services

This course introduces the student to the field of Health and Human Services. It will identify the various professionals in the field and it will examine topics such as the U.S. Health Care System, the role of government in health care, and behavioral and psychotherapeutic approaches to assisting people in need. *Credit: 3 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.*

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.

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 19th-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 20th 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.

1041 War and Peace

This course will be a history of causes and consequences of war and peace. It will survey the evolution of war, its changing patterns and its effect on the human experience in modern times. Issues and questions related to how and why nations go to war and the human cost and consequences of war will be emphasized.

Cf: HON 1041. *Credit: 3 semester hours.*

1042 American Military History: 1917-2003

The course examines and analyzes American military history from 1917 to 2003. The students will apply critical thinking and decision-making skills to military problems. Ethical issues in U.S. military engagement will be discussed.

Credit: 3 semester hours.

Homeland and Corporate Security (HCS) (Queens, Staten Island)

1001 Introduction to Homeland Corporate Security

An analysis of various types of investigation and protection organizations, departments and services. (Cf. CRJ 4104.)

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.

Credit: 3 semester hours.

1003 Corporate Assests Protection and Safety

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 Security 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 Security Concepts and Organizational Leadership

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 Security Investigations

Contemporary developments in scientific devices and techniques that relate to the fields of security, safety and investigation.

(Cf. CRJ 3104.) *Credit: 3 semester hours.*

1008 Global Threats to Security

The phenomenon of globalization has resulted in a blurring of the lines between threats to security as being a domestic or foreign issue. This course seeks to explain globalization as it relates to security and provide students with understanding of the various challenges and threat that result from the phenomenon. In addition, various methods of addressing these threats on an international scale will be covered.

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 Intelligence Gathering Analysis and Protection

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.

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: HCS 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 Legal Aspects of Modern Security Investigation

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 Critical Infrastructure and Key Resources Protection

This course provides an overview of the challenges associated with the protection of key national resources. Students will examine vulnerability and risk reduction strategies, contingency planning, and strategic partnership models as they are applied to the critical infrastructure sectors (Water, Power and Energy, Information and Telecommunications, Chemical Industry, Transportation, Banking and Finance, Defense Industry, Postal and Shipping, Agriculture and Food, Public Health, and Emergency Services).

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.

1020 Terrorism and Emergency Management

The purpose of this course is to investigate the role of emergency management in response to the growing threat of domestic and international terrorism. To achieve this goal the course will define what terrorism is, discuss why politically motivated acts of violence occur, and provide an overview of terrorists groups and their tactics of intimidation and fear. The course will also uncover the effects of terrorism (including those emanating from weapons of mass destruction) and compare how their consequences are both similar to and different than other types of natural and technological disasters. Utilizing recent legislation and policies regarding crisis and consequence management as a framework, the steps that emergency management agencies and others are taking to deal with terrorism are identified. (Cf.: CRJ 3206.)
Credit: 3 semester hours.

HCS 1021 Emergency Management and Homeland Security Law

This course is designed to provide an overview of homeland security law and policy. Emergency response, emergency management, and terrorism after 9/11 will be discussed. Several topics including the law for first responders, incident management, weapons of mass destruction, volunteers, Governors' powers, FEMA, Department of Homeland Security, civil rights, and international antiterrorism efforts will be explored. (Cf.: CRJ 3207.) *Credit: 3 semester hours.*

HCS 1022 Sociology of Disaster

The focus of this course will be on human behavior in a natural and man-made disaster e.g., hurricanes, tornados, earthquakes, floods; and chemical spills, nuclear power plant accidents, riots, etc. Case studies of a number of disasters will be used to illustrate the material discussed. In addition, students will be introduced to the emerging profession of "emergency management and contingency planning" and acquire an understanding of the general precepts of disaster planning. (Cf.: CRJ 3208.) *Credit: 3 semester hours.*

HCS 1023 Computer Applications in Emergency Management

This course provides the student with an introduction to the use of computer technology in emergency management. Spreadsheets, database applications, and electronic communications will be covered. Specific computer programs currently in use for contingency planning, tracking chemical inventories and response resources, modeling of toxic plumes, and decision making during disasters will be explored. Hazard and risk evaluation will be covered along with attendant hazard identification, vulnerability

analysis, risk and consequence analysis. (Cf.: CRJ 3209.) *Credit: 3 semester hours.*

Hospitality Management (HMT) (Queens, Staten Island)

1000 Introduction to the Hospitality Industry

A survey course of the hospitality industry to a historical perspective of the industry, organizational structure of the industry, place of the industry in both the local and national economy and current and future trends for 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. A study of food and beverage service with emphasis on general management functions. Topics include service styles, practices, and principles and procedures in food and beverage service operations. *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.*

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.*

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.*

1010 Hospitality Human Resource Management

Prerequisites: HMT 1000, MGT 1001. As the very nature of hospitality service is people, this course provides an overview of human resource management emphasizing its application in the hospitality environment. Topics include planning, recruitment, selection, placement, training, supervision, compensation

and benefits, motivation, performance appraisals, productivity of employees, workforce diversity, employment and labor law specific to the hospitality industry. *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.*

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 Global Leadership in Hospitality Management

Prerequisite: HMT 1000. A study of

management principles and effective leadership in global hospitality environments. Topics include the application and development of international policies, regional analysis of social and work environment, global business ethics, leadership principles, and conflict management strategies to accommodate individual and organizational changes. *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.*

1063 Event Management Practicum: Community-Campus Partnerships

Supervised participation in event management at instructor-approved venues through hands-on involvement in the planning and staging of one or more special events. Special emphasis will be placed on institutional events relevant to academic service-learning activities. *Credit: 3 semester hours.*

1065 Convention and Meeting Management

Prerequisites: HMT 1000, MGT 1001. A study of convention and meeting planning principles and procedures with emphasis on program development and coordination, budgeting, marketing, public relations, food and beverage elements, hospitality functions, current practices, and technology advances as related. *Credit: 3 semester hours.*

1070 Current Issues in Hospitality and Tourism

Prerequisite: HMT 1005. Analysis of current issues in the hospitality and tourism industry with emphasis on historical, current and future trends, and their short- and long-term implications for the management. *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.*

1074 Gaming Operations Management

This course provides an overview of the operation and management of commercial casinos and casino hotels focusing on the internal and external environment of the current gaming industry. Topics include: Historic development of gaming, organizational and business structure of a casino hotel, casino hotel operations, government regulations, casino marketing and design, gaming consumer behavior, economic and social impact of gaming. *SPECIAL NOTE: CLASSES MAY BE OFFERED EXTERNALLY UNDER INSTRUCTOR'S SUPERVISION. SITE VISITS WILL REQUIRE ADDITIONAL FEES.* *Credit: 3 semester hours*

1075 Hospitality Information Technology

Prerequisites: HMT 1000; CUS 1102. A study of technology used within the hospitality environment. Emphasis is placed on cutting technology for managing every aspect of hospitality operations, as well as best practices in web, mobile, and social media. *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.*

1155 Global Leadership in Management Strategies: Hospitality and Tourism Perspectives

A study of effective leadership emphasizing management principles and strategies for success in the global business environment from the hospitality and tourism perspectives. Topics include global entrepreneurship, leadership and business practices, multicultural organizational values and constituencies, professional ethics, and interdisciplinary approaches to complex global issues. *Credit: 3 semester hours. Intersession and pre-session only. Site visits with additional fees will apply.*

2005A International Travel and Tourism: Italy

A survey of international travel and tourism to study Italian tourism and learn how the tourism industry works in Italy. Topics include: international travel, major tourism destination regions in Italy, cultural aspects of tourism, current trends and management issues specific to the travel and tourism industry in Italy. *SPECIAL NOTE: THIS IS A STUDY ABROAD COURSE OFFERED IN ITALY, ADDITIONAL FEES WILL BE REQUIRED.* *Credit: 3 semester hours.*

2022A Italian Culture Through Food and Wine

Profile of Italian history and culture through the analysis of gastronomic documents and literary texts that span from the ancient Greeks to contemporary times. Special emphasis will be given to the study of the regional cuisines and wines, and their development. *Credit: 3 semester hours. A study-abroad mini-session course. Additional program fees apply.*

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 Behavioral Health in the Community

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)****1000 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.*

1200 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.*

1400 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 COM 2406. Credit: 3 semester hours.*

1402 Ethics and Law in Journalism

Prerequisite: COM 1001 or JOU 1000. A study of the ethical and legal problems involved in the print media, radio, TV and other media. *Credit: 3 semester hours.*

1500 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.*

1501 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.*

1502 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.*

1504 Religious Journalism

Prerequisite: JOU 2300 or JOU 2312 and THE 1050. Students learn sociological concepts and methods used to analyze the world religions and the changing place of religion in American and global public life. This course approaches the issue from cultural and institutional perspectives, focusing on such topics as civil religion, church-state relations, the role of congregations in local communities, and religious voluntary and philanthropic concerns. Students learn that reporting on religion requires: respect for the role of faith in people's lives, immense curiosity about religion and a willingness to learn — and keep learning — about it, an abiding sense of fairness and balance, a commitment to covering all kinds of diversity of faith, both within a particular denomination and outside of it, and the ability to accurately and fairly describe the nuances of different beliefs. *Credit: 3 semester hours.*

2300 News Reporting and Writing for Print and Online Media

Prerequisite: JOU 1000 or COM 1001. An intensive introduction to the principles and techniques of reporting and writing news for print and online media. Multimedia storytelling, like any good account of people, issues and events, is rooted in the art of solid news reporting and clear writing. Building upon the principles of journalism learned in JOU 1000 (Introduction to Journalism), the course provides students with a practical introduction to the work of a journalist for both traditional print media like newspapers and emerging digital media, and prepares them for advanced reporting and news writing in JOU 3300 (*Feature Reporting and Writing*). *Credit: 3 semester hours.*

2307 The Craft of Interviewing

Prerequisite: JOU 2300 or COM 2301. 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.

2312 News Reporting and Writing for Television and Radio

Prerequisites: JOU 1000 or COM 1001. An introduction to the techniques and principles of writing and producing news copy for electronic media. Adding to the techniques and principles learned in JOU 2300 (News Reporting and Writing for Print and Online Media), it provides students with a writing foundation that is expanded upon in JOU 3301 (Advanced Reporting and Writing for Television and Radio). *Credit: 3 semester hours.*

3300 Feature Reporting and Writing

Prerequisite: JOU 2300. Advanced training and practice in the reporting and writing of in-depth feature articles that concern public and community affairs, crime, human interest stories, and profiles. Special emphasis will focus on the use of research of public and private documents, and other sources of information. *Credit: 3 semester hours*

3301 Copy Editing

Prerequisite: JOU 2300. 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.

3302 Magazine Journalism

Prerequisite: JOU 1400 or JOU 3300. 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.*

3303 Business Journalism

Prerequisite: JOU 1400 or 3300. 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.

3304 Sports Writing

Prerequisite: JOU 2300 or COM 2301. A study of and practice in writing sports stories and feature articles for newspapers.
Credit: 3 semester hours.

3305 Online News

Prerequisite: JOU 2300 or 2312. An introduction to the ways journalists use computers to discover, access, retrieve and evaluate information from the Internet and government, organizational, commercial and other databases; how they use computers in survey research and content analysis; and

how they organize the information in properly written news and investigative articles.
Credit: 3 semester hours.

3309 The Journalist as Critic

Prerequisite: JOU 2300 or JOU 3312. 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.*

3310 Investigative and In-Depth Reporting

Prerequisite: JOU 2300. 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.

3311 Crime Reporting

Prerequisite: JOU 2300 or JOU 2312. 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.*

3312 Advanced News Reporting and Writing for Television and Radio

Prerequisite: JOU 2312. This course is an extension of JOU 2312 (News Reporting and Writing for Television and Radio). Students learn a variety of more complex news gathering, reporting, interviewing and writing techniques used in electronic media. The amount and complexity of work required make this course appropriate only for advanced journalism majors. *Credit: 3 semester hours.*

4301 International Reporting

Prerequisite: 3.25 GPA in major and JOU 3300 or permission of instructor. Students are prepared for the task of reporting international news, on scene or from afar via modern communications technology. Students learn journalistic techniques and become familiar with key issues and logistics involved in working outside their home countries, in print, visual, aural, online or across platforms.
Credit: 3 semester hours.

4302 Opinion Writing

Prerequisite: JOU 2300 or 2312 or 3300 or 3312. An introduction to the techniques, principles, history, legal issues and ethical concerns involved in the editorials, columns and other forms of journalistic opinion writing and presentation in various media.
Credit: 3 semester hours.

4600 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.

4601 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.*

4701 Practicum I: Print and Online

Prerequisite: JOU 1000 and JOU 2300. A laboratory course designed to offer journalism majors the experience of working on a traditional and/or online college newspaper. Students regularly report and write articles for publication. *Credit: 3 semester hours.*

4702 Practicum II: TV and Radio

Prerequisites: JOU 1000 and JOU 2312. A laboratory course designed to offer journalism majors the experience of working on a television or radio newscast. They regularly report, write, and produce stories for air. *Credit: 3 semester hours.*

5001, 5002, 5003, 5004 Journalism Internship

Prerequisite: Permission of the Director
Credit: 3 semester hours each.

Language and Culture (LAC) (Queens)**1000C Language and Culture (formerly 1013C)**

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.

1050 Language and Culture: Human Rights

This course will examine relevant conflicts arising from cultural differences, including ethnic, religious, gender, sexual orientation, and class. Students will analyze The Universal Declaration of Human Rights and its subsequent conventions as norms; this yardstick will be applied to problems and issues of human rights and social justice. This course will study intercultural communication in the international arena and on the interpersonal level with students examining basic concepts such as culture, communication, intercultural perception, and gender as culturally formed. Barriers to intercultural communication, such as ethnocentrism and racism, will be explored as will cultural imperialism and globalization, and the role of media in intercultural communication. *Credit: 3 semester hours.*
Intersession only.

Legal Studies (LES)

(Queens, Staten Island)

1100 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.

1101 Legal Writing

Prerequisite: LES 1100 This course will introduce students to numerous legal writing formats. Students will apply standard English and legal drafting principles to a wide variety of writing assignments, including business letters, case briefs, pleadings, legal memoranda, wills, contracts, and regulatory materials. Ethical considerations and the significance of these documents as they relate to the practice of law will be reviewed.

Credit: 3 semester hours.

1102 Legal Research

Prerequisite: LES 1101 This course is an introduction to legal research using both the law library and computer-assisted research. The course will focus on the research of state and federal statutes and regulations, court opinions and administrative law determinations.

Students will learn to use secondary sources such as digests and encyclopedias to research case law as well as learn how to check the status of a particular case. The course will also introduce students to computer-assisted research using Westlaw, Lexis and other internet sources. Students will apply critical thinking skills to analyze researched materials.

Credit: 3 semester hours.

1003 Tort Law

Prerequisite: LES 1100. A preliminary investigation of tort law, including personal injury, products liability and defamation.

Credit: 3 semester hours.

1004 Litigation Practice (Civil)

Prerequisite: LES 1100. 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 1101, 1102 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

Prerequisite: LES 1005 and permission of the Director. *Credit: 3 semester hours.*

1007 Family Law

Prerequisite: LES 1100. 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 1100. 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 1101 and LES 1102. 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 1101. Understanding the means and processes involved in the transmission of personally controlled wealth.

Credit: 3 semester hours.

1011 Real Estate Law I

This course will teach future paralegals and legal assistants who will be entering a law office practice in the area of real estate law the basic tenets of the law. Students will become proficient in the law of agency, estates and interests, deeds, and closings and will also learn to file real estate closing documents through the use of technology such as the ACRIS system required in the City of New York.*

Credit: 3 semester hours

**This course will qualify students for 30 credit hours towards a New York State Real Estate Salesperson's License.*

1012 Real Estate Law II

This course will give future paralegals and legal assistants who will be entering a law office practice in the area of real estate law a more sophisticated understanding of the law. Students will become proficient in the law of residential and commercial interests, transfer of property through sale, estates and court orders, leases and evictions. Students will also perform every aspect of a real estate sales closing and prepare documents with the use of technology such as the ACRIS system required in the City of New York.*

Credit 3 semester hours

**This course will qualify students for 45 credit hours towards a New York State Real Estate Salesperson's License.*

1013 Bankruptcy and Debtor—Creditor Practice

Prerequisite: LES 1101. 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 1101. 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 1100. 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 1100. 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 1100. 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 1100 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 1100. 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 1100. 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 1100 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 1100. 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 1100. 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 Education Law

This course will teach the essentials of education law found in federal and state statutes, cases and regulations. Federal and state courts and administrative agency decisions on topics such as searching students' lockers, freedom of expression, discipline and the rights of students with disabilities will be explored. The course will teach skills necessary to assist in the representation of schools, students, and their custodians in various judicial and administrative proceedings. *Credit: 3 semester hours.*

1030 International Law

Prerequisite: LES 1100 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 and Appellate Advocacy

An opportunity to simulate the experience of preparing for and conducting both a trial and an appeal in the fictitious State of Moot. Students will act as parties, witnesses, advocates and jurors with the professor serving as the judge. Students will be required to research legal issues, draft motions and briefs, prepare and examine witnesses, conduct trials and present oral arguments. *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, 1042. *The following are law related courses:* LES 1005, 1006, 1008, CRJ 1016, 1017, 1038.

1042 Legal Issues and the University's Mission, with Syllabus

This course will teach students to use paralegal skills to study and work in a chosen area of the law that relates to an aspect of the University's mission. The course will include an overview of the American legal system's impact on Catholic, Vincentian and metropolitan issues and will identify current points of controversy and opportunity. *Credit 3 semester hours.*

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.

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.

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.*

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 Enterprise

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.*

1027 International Implications for Organizational Behavior

This course is designed to break down the conceptual, theoretical, and practical boundaries that limit our ability to understand and work with people in countries and cultures around the world. It will also help students to understand the complexities of managing people in international settings, while specifically focusing on the human relationships in a cross cultural setting. *Credit: 3 semester hours. (Mini-session only)*

1050 Organizational Management in the EU

Various profit and not-for-profit organizations operating in the European Union need management that is diverse and skilled in global activities. Students examine management practices in EU member nations. Management functions of planning, organizing, leading and controlling, and decision-making in a complex context of diverse cultures, languages and currencies are considered. Large, small and medium sized enterprises are considered. Staffing, social responsibility and sustainability are considered. American organizations with divisions in the EU are compared with organizations operating in their home nations. *This course is offered exclusively online. Credit 1 semester hour.*

1051 European Union – International Business

This course is designed to introduce the student to the concepts of international business as it pertains to the European Union (EU). The overall concepts of international business strategy and international exchange systems will be discussed along with the role played by the environments of culture, politics, law and regional economics within the EU and surrounding areas. This course is offered exclusively online. *Credit 1 semester hour.*

1065 Business on Wall Street

The overall objective of this course is to provide a basic understanding of the American business system. Wall Street is the World Financial Center of business. In this course students will learn about the daily operations of the New York Stock Exchange, Depository

Trust, Standard and Poor's and the Securities and Exchange Commission. *Credit: 3 semester hours. (Mini session only)*

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. (Cf: ADV 2100) *Credit: 3 semester hours.*

1010 The Marketing of Fashion

This course introduces the student to the products and concepts of Fashion Marketing, also defined as Lifestyle Marketing. The course will include the manner in which marketing both creates and interprets the needs and wants of society. The overall concept of fashion marketing will be discussed along with the role the consumer plays and how fashion marketing functions in a global arena. *Credit: 3 semester hours. (Mini session only)*

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; im-proper 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. Systems of linear equations; matrices and determinants; vectors and vector spaces; 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.*

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.*

Networking and Telecommunications (NET) (Queens)**1001 Data Communications**

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. *Credit: 3 semester hours.*

1011 Networking Fundamentals

Prerequisite: NET 1001. 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.*

1015 Routers and Router Concepts

Prerequisite: NET 1011. An introduction to router concepts and terminology, including router components, configuration, and introduction to LAN switching, routed and routing protocols. *Credit: 3 semester hours.*

1021 Switching, Design Practice and LAN Design

Prerequisite: NET 1015. Advanced router configuration, LAN switching theory, VLANs, advanced LAN concepts and LAN Switching Design. *Credit: 3 semester hours.*

1025 WAN Technologies and WAN Design

Prerequisite: NET 1021. WAN (Wide Area Network) concepts, technology, protocols, configuration, and operation. *Credit: 3 semester hours.*

1031 Wireless Networking

Prerequisite: NET 1011. Wireless technologies and the implementation of these technologies in wireless networks. Emphasis is placed on the areas of design, planning, implementation, operation, and troubleshooting. *Credit: 3 semester hours.*

1035 Network Operating Systems

Prerequisite: NET 1015. An introduction to basic network operating system (NOS) concepts, NOS management and administration, and network security. Physical components, network services and troubleshooting are also treated in depth. Overviews of the Windows NT/2000, Windows XP, Linux, and Novell NetWare systems are provided. Students will explore a variety of topics including installation procedures, security issues, back-up procedures and remote access. Network Operating Systems is an intensive introduction to multi-user, multi-tasking network operating systems from both generic and vendor specific perspectives. *Credit: 3 semester hours.*

1041 Voice Over IP (VoIP)

Prerequisite: NET1015. The telephony infrastructure: how it was built and how it works today, the major concepts concerning voice and data networking, transmission of voice over data, and IP signaling protocols used to interconnect with current telephony systems. *Credit: 3 semester hours.*

1051 Networking Regulation

Prerequisite: NET 1015 or CUS 1124 or 1126. United States laws as applied to networks, telecommunications, and computers. International regulations will be studied as needed. *Credit: 3 semester hours.*

1091 Networking 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 networking and telecommunications. *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 Media Ethics

Prerequisites: PHI 1000C. This course is designed for students planning careers in a variety of mass media such as advertising, print, electronic and photojournalism, public relations, and television and film. It will prepare them to confront and resolve ethical issues that they may encounter as media practitioners.
Credit: 3 semester hours.

1025 Bullying and Moral Responsibility

Prerequisites: PHI 1000C. A philosophical and moral inquiry into the contemporary issue of bullying. The nature of bullying will be explored as a foundation for moral evaluation through the application of traditional ethical theories. Close attention will be paid to 21st century bullying, cyber bullying. Subsequent to the drawing of ethical conclusions, students will collaborate with public relations practicum students on an academic service learning project, developing an anti-bullying on campus campaign. *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.*

1050 Logic

An introduction to the principles of formal and informal reasoning that are essential to the development of skills needed to critique arguments, construct sound powerful arguments, and recognize and avoid common fallacies. *Credit: 3 semester hours.*

3000C Metaphysics

See description under University Core Courses.
Credit: 3 semester hours.

Photojournalism (PHO)

2100 Digital Photography Fundamentals

This course will introduce students to the fundamentals of digital photography. As an introductory course, emphasis will be on students mastering the language, mechanics, techniques and formats (RAW, DNG, TIFF and JPEG) of digital photographic production, while developing their compositional and aesthetics skills in taking pictures. Experimentation will be encouraged so students begin to develop an individual style. A review of career opportunities for the professional photography will also be discussed. (A DSLR is required.)
Credit: 3 semester hours.

2200 Digital Darkroom

Prerequisite: PHO 2100. This course will build upon the skills acquired in Digital Photography Fundamentals with greater emphasis placed on developing an individual style and a deepened appreciation of composition, subject matter and lighting techniques. Students will master the process of digital photographic production using digital darkroom software; i.e., how to import and organize digital assets into libraries, edit metadata, and build digital catalogs. The bulk of the course, but will be on students retouching photographs, creating good black and white prints and exploring more experimental and aesthetic versions of their work. Production for web portfolios, slideshows, and time-lapse movies will also be covered. (A DSLR is required.)
Credit: 3 semester hours.

2201 Photojournalism

Prerequisites: PHO 2100 and PHO 2200. This course will instruct students on the history, principles and practices of photojournalism, as well as using photography as a means of documenting, communicating and translating the course of human events. Students will examine and debate photojournalistic ethics and the law, as well as learn about historical and contemporary photojournalists. (Cf. JOU 1200) (A DSLR is required.) *Credit: 3 semester hours.*

3200 Commercial Digital Photography

Prerequisites: PHO 2100 and PHO 2200. This course will emphasize students developing an aesthetic style with a deepened appreciation composition, subject matter and lighting techniques as they apply to photographing for magazine features, catalog and web illustration, and public relations. Through this course, students will develop a critical understanding of historic and contemporary photographers, and their influence on modern attitudes and popular culture. The work of photographers Annie Leibovitz and Richard Avedon will be explored in depth. Students will be encouraged through a variety of assignments to explore different forms of portrait and illustration photography, and create a final project that demonstrates strong technique and individual aesthetics. (A DSLR is required.) *Credit: 3 semester hours.*

4200 Documentary Photography

Prerequisites: PHO 2100, PHO 2200, PHO 2201. This course examines documentary photography as a medium for exploring and examining the individual, social and political complexities of modern life. Students will be asked to critically study the impact the extended photo essay has had on our perceptions of the American and global identities. The goal is to get students thinking about the power the visual image has in communicating broad as well as narrow ideas of human interactivity. Students will be responsible for creating a photo documentary of their own choosing but will be subject to instructor's approval. This project will be presented in a printed book, web gallery and photo Podcast. (Cf. JOU 1200). (A DSLR is required.) *Credit: 3 semester hours.*

4600 Digital Photography Portfolio

Prerequisites: PHO 2100, PHO 2200, PHO 2201, PHO 3200, PHO 4200. This course will concentrate on students creating three, unique traditional and digital photography portfolios, a résumé and other branding materials to prepare them for a career in professional photography. Areas covered will be traditional print portfolios as well as digital portfolios such as slideshows, Podcasts, PDF books and web galleries for presenting and exhibiting their work. Current market opportunities for the professional photographer will be covered in depth. (A DSLR is required.)
Credit: 3 semester hours.

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.*

Public Relations (PUBR)

(Queens)

2100 Principles of Public Relations

This survey course introduces students to the theory, history, and practice of public relations. Coverage includes examination of the public relations function and its role within all types of organizations. Students examine ethics and study the range of roles and responsibilities of a public relations practitioner. *Credit: 3 semester hours.*

2301 Public Relations Writing

In this course students learn about the theory and practice of public relations writing by completing a range of communication writing pieces including pitch letters, fact sheets, backgrounders, news releases, and brochures. Students learn critical skills of the field and examine all types of print, broadcast, and internet writing techniques. *Credit: 3 semester hours.*

3250 Corporate Video Design and Production

Corporate video design and production engages students to use digital video technology, graphic design, editing, web design, and animation to create corporate video projects. The course focuses on teaching

students how to develop an idea and client brief, execute pre-production (script writing and planning), production (location and shooting), post-production (editing, graphics, voice-overs, music, animation, and output), and Web publishing to various social media platforms and their own video portal Website. *Credit: 3 semester hours.*

3400 Public Relations Strategies

Students learn from case study analysis and apply this knowledge to pragmatic communications problems and planning. Students develop general communication strategies, use public relations actions to support managerial decisions, and evaluate the effectiveness of public relations activities. *Credit: 3 semester hours.*

3401 Public Relations Practicum

This advanced public relations course introduces and involves students in the applied theories, concepts, technology, interpersonal skills, and writing skills used in organizational communication. Focus is on practical application of exploring and executing the role of the corporate (in-house) and non-profit public relations professional while working on a pro bono project with a sponsor organization. *Credit: 3 semester hours.*

3402 Special Event Publicity

Prerequisites: PRL 2100, PRL 2301, HMT 1061
This advanced public relations course will introduce and involve students in the special event publicity and planning process within corporate communications departments. This course engages the student to use of strategy and writing to publicize corporate events. Students will examine aspects of promoting and executing a successful special event: the planning stages, production schedules, external publicity, and on-site event coverage for corporate in-house events, fund raisers, trade shows, and annual meetings. *Credit: 3 semester hours.*

4600 Seminar in Public Relations Campaigns

This course focuses on the development of public relations campaigns and examines event planning. Students participate in team based projects that utilize client and audience research, which culminate in the creation and execution of action-based communication campaigns. *Credit: 3 semester hours.*

4601 Public Relations Portfolio Seminar

This course provides students with an opportunity to develop a digitally designed, print-based portfolio book, and a multimedia-based web portfolio. Instruction includes conceptualization through personal reflection, categorization of works, and production of a public relations portfolio for print and the Internet. Portfolio-based interview techniques, resume and cover letter development and professional interviewing and presentation skills are covered. Students use a variety of

digital tools to create their portfolios. (Cf: ADV 4600.) *Credit: 3 semester hours. Open to juniors and seniors only.*

5001, 5002, 5003, 5004 Public Relations Internship

Prerequisite: Permission of Director or Chair.
Students gain public relations job experience in leading corporations and agencies in the entertainment, music, sports, human services, marketing, non-profit, government, and public relations sectors. Interns work in off-campus settings performing public relations activities that help introduce them to the profession. *Credit: 3 semester hours. Open to juniors and seniors only.*

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.

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 Principles 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: SPM 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

For description see SPM 1301. *Credit: 6 semester hours.*

1008 Sports in America—17th to 20th 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 Sport Psychology

An introduction to the interdisciplinary area of sport psychology. Students will examine the applications of psychological principles in sport settings. Topics include sport-focused examinations of personal and social psychology, health and well-being, and the growth and development of athletes and teams.

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.

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.

1018 Sport Communication

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 1301. *Credit: 3 semester hours.*

1021 Internship in Sport Management

For description, please see SPM 1301. *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.

1032 The Economics of Sport

Prerequisite: ECO 1001. A study of contemporary sport 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.*

1033 Sport Ethics and Social Justice

An analysis of the meaning of social justice and how it is applicable to the sport industry. The course considers the question of when, where, under what conditions, and how sports might become a vehicle for promoting social change nationally and internationally. The role and responsibilities of athletes, leagues, governing bodies, corporations, governments, and non-for-profit organizations are examined. *Credit: 3 semester hours.*

1034 Sport Sales Management

An examination of effective sales management practices in the sport industry. A required part of the course is a practicum in which students will participate in sales and/or fundraising efforts with a professional, intercollegiate, or charitable sport organization. *Credit: 3 semester hours.*

1050 Principles, Philosophy, and Organization of Athletics in Education

An introduction to the integral role of athletics in general education. Topics include state, local and national regulations and policies related to athletics; legal considerations; function and organization of leagues and athletic associations in New York State; personal standards for the responsibilities of the coach as an educational leader; public relations; general safety procedures; and general principles of school budgets, records, purchasing and use of facilities. *Credit: 3 semester hours.*

1051 Health Sciences for Coaching

This course is an overview of health sciences applied to athletic spot/anatomy, exercise physiology, and sport psychology. The physical condition in 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.*

1052 Theories 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.*

1053 Practicum in Athletic Coaching

Supervised study and participation in coaching at the secondary school. *Credit: 3 semester hours.*

1201 Olympic Games in the 21st Century

This course provides a general knowledge of the global platform in which sport is performed and consumed within the Olympic Movement. *Credit: 3 semester hours. Intersession and pre-session only.*

1301, 1302, 1303, 1304, 1305, 1306 Internship

Prerequisite: Permission of Chair or Program Director. Field experience with a sport organization under the supervision of a faculty member to develop knowledge and skills in the application of sport management theory in a non-classroom setting. Qualified students must complete a total of 9 to a maximum of 18 internship credits. *Credit: 3 semester hours.*

SPM 2000 courses are International Sport Management Study Abroad Courses

2000A International Sport Management: 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.* Study abroad course – additional fees will apply.

2004A International Seminar in Sport Management: Italy

An intensive cross-cultural experience in international sport management held in Italy. Includes educational tours to international sport organizations, facilities, and events and other cultural landmarks in Rome, Florence, and Naples. *Credit: 3 semester hours.* Intersession and pre-session only. Study abroad course – additional fees will apply.

2005A Sport in Russia: History and Development

An intensive cross-cultural experience in international sport management held in Russia. It includes educational tours to leading sport organization, facilities, and events. The development of the industry will be traced from its roots in the former Soviet Union to contemporary Russia. *Credit: 3 semester hours.* Study abroad course – additional fees will apply.

Television and Film (TVF) (Queens)

1200 Introduction to Production

Required for all production 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.*

1230 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.*

1400 Motion Picture Industry Practices I

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.*

1501 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.*

1502 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.*

1503 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.*

1504 Film Rhetoric

Prerequisite: TVF 1400. 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.*

1506 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.*

1507 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.

1508 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.

1509 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.*

1510 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.*

1511 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.*

2200 Television Production I

Prerequisite: TVF 1200. 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.*

2202 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.*

2203 Editing: Final Cut

Prerequisite: COM 2209 or TVF 1200. A hands-on workshop in non-linear editing technique using Final Cut Studio. Students learn to master both the technical and aesthetic aspects of the craft by doing their own editing projects. *Laboratory fee \$30. Credit: 3 semester hours.*

2204 Editing: Avid

Prerequisite: COM 2209 or TVF 1200. A hands-on workshop in non-linear editing techniques using AVID Media Composer. Students learn to master both the technical and aesthetic aspects of the craft by doing their own editing projects. *Laboratory fee \$30. Credit: 3 semester hours.*

2301 Screenwriting: 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.*

2302 Screenwriting: Documentary

Prerequisite: ENG 1000C and ENG 1100C. An examination of the forms and techniques of documentary, educational and other nonfiction film and video productions. Students develop scripts from treatment to completed screenplay. *Credit: 3 semester hours.*

2303 Screenwriting: Narrative

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.*

2402 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.*

2403 Broadcast Operations

Prerequisite: MCC 1000 An examination of the electronic and digital technologies of mass media. Topics include technological background of broadcast, cable, satellite, computers, fiber optics, and digital television. *Credit: 3 semester hours.*

3200 Television Production II

Prerequisite: TVF 2200. 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.*

3203 Documentary Production

Prerequisite: TVF 2201. A production class covering the conception, pre-production, production and post-production of the documentary form. *Credit: 3 semester hours.*

3204 Television Field Production

Prerequisite: TVF 2201. 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.*

3220 Film Production

Prerequisite: TVF 2201. 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.*

3303 Advanced Screenwriting

Prerequisite: TVF 2303 or TVF 2301. 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.*

3404 Producing Film and Television

Prerequisite: TVF 1400 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.*

3405 Film and Television Production Management

Prerequisite: TVF 2209 or 2200 or 1400. 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.*

4200 Television Production III

Prerequisite: TVF 3200. An in-depth examination of the advanced skills required in the use of professional video equipment. *Laboratory fee: \$30. Credit: 3 semester hours.*

4205 Directing Film and Television

Prerequisite: TVF 2200 (or 3220) and 2201. Introduces the processes of directing single 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.*

4206 Television Program Development

Prerequisite: TVF 3200 and 2201 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.*

4220 Digital Camera Production

Prerequisite: TVF 3220. 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. *Laboratory fee: \$60. Credit: 3 semester hours.*

4601 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.*

4602 Senior Project II

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 seniors only.

4701, 4702, 4703 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.

4704, 4705, 4706 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.*

5001 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.*

5002 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.*

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 Deuteronomic 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.

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.*

1054 Christian Philosophical Theology

Prerequisite: THE 1000C. A historical overview of the Catholic philosophical/theological tradition with special attention given to the contemporary relevance of the "faith and reason" approach to understanding God, the world and human existence. *Credit: 3 semester hours.*

1055 Religion and Popular Culture

Prerequisite: THE 1000C. An examination of how religion influences and is influenced by popular culture. Students will study such topics as theories in the study of religion, the diversity and stability of American and global faiths, and religion and its impact on various aspects of popular culture, including sport, film, politics, and routine. *Credit: 3 semester hours.*

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Robert Vella, *Adjunct Assistant Professor Business Law*, B.B.A., Hofstra University, J.D., Hofstra University School of Law

Mark Ventimiglia, *Adjunct Assistant Professor Marketing/Management*, B.S., M.B.A., St. John's University

Joseph Valenzano, *Associate Professor of Theology*, B.A., M.Div., Mary Immaculate Seminary; M.S.Ed., St. John's University

Mercurio Veltri, *Adjunct Assistant Professor of Criminal Justice*, B.S., St. John's University

Kareem Vessup, *Adjunct Instructor of Criminal Justice*, B.A., J.D., St. John's University

Joseph Voná, *Adjunct Assistant Professor Business Law*, B.S., State University of New York at Albany, J.D., St. John's University School of Law

Alan B. Wachtel, *Instructor of Philosophy*, B.A., Clark University, M.A., St. John's College, M.A., Marquette University

Thomas Ward, *Associate Professor of Criminal Justice*; B.S., M.A., John Jay College of Criminal Justice; D.P.A. Nova Southeastern University

May A. Webber, *Associate Professor of Philosophy*, B.A., M.A., St. John's University; Ph.D., New York University

Susan Weber, *Associate Professor of Mass Communication*, B.A., SUNY, Brockport; M.F.A., New York University

Jeffrey R. Weiser, *Adjunct Associate Professor of Mass Communications*, B.A., Ohio State University; M.A., New Science University

Gregory A. Wilson, *Associate Professor of English*, B.A., M.A., University of Connecticut; Ph.D., Brandeis University

Robert L. Wolejsza, *Adjunct Assistant Professor of Mass Communications*, B.S., St. John's University

Earl Woods, *Professor Emeritus of Philosophy*, B.A., St. John's University; M.A. Columbia University; Ph.D., Fordham University

Glenn Yost, *Adjunct Instructor of Criminal Justice*, B.S., St. John's University; J.D., New York Law School

Michael Zanca, *Adjunct Instructor of Sport Management*, B.S., University of California at Los Angeles; M.S., New York University

Valerie Zurawski, *Adjunct Associate Professor of Psychology*, B.A., Long Island University; M.A., CUNY, City College; Ph.D., CUNY, Graduate Center

University Libraries

Administrators

Dermot Cooper, *University Records Manager*, B.A., City College, CUNY; M.L.S., St. John's University

Shilpa Karnik, *Assistant Director, eServices*, B.S., Parle College (Bombay, India); B.S., M.L.S., St. John's University

Theresa M. Maylone, *Dean of University Library*, B.A., Syracuse University; M.S., Pratt Institute

Ismael Rivera-Sierra, *Director*, Davis Library, B.S. Agricultural Economics, University of Puerto Rico, Mayagüez Campus; M.S. Library Science, Florida State University

Blythe E. Roveland-Brenton, *Associate University Librarian for Collections and University Archivist*, B.A., Binghamton University; M.L.S., St. John's University; M.A., Ph.D., University of Massachusetts-Amherst

Galina Spicehandler, *Librarian/Cataloger*, Davis Library, B.A./M.A., Leningrad State Institute of Theater, Music and Cinematography (Russia); M.L.S., Pratt Institute

Richard E. Waller, *Web Librarian*, Davis Library, B.S. Virginia Commonwealth University; M.S.L.S., Columbia University

Maureen B. Weicher, *Electronic Resources Librarian*, B.A., Barnard College; M.S., CUNY, Baruch College; M.L.I.S., Pratt Institute Faculty

Muhammed Billah, *Associate Professor*, B.S., Diploma in LIS, M.A. in Library Science, University of Dhaka; M.L.S., St. John's University; M.A., Queens College, CUNY

Cynthia D. Chambers, *Associate Professor and Head of Information Management*, B.A., Capital University, Ohio; M.L.S., Kent State University; M.T.S., Trinity Lutheran Seminary

Lois Cherepon, *Associate Professor* (Staten Island), B.A., Rutgers College; M.A., State University of New York at Binghamton; M.L.S., Rutgers University

Joan D'Andrea, *Associate Professor and Library Development Officer*, B.A., M.L.S., St. John's University; M.A., C.W. Post Center of Long Island University

Anna M. Donnelly, *Associate Professor*, B.A., St. John's University; M.S., Columbia University; M.A., New York University

Caroline Fuchs, *Associate Professor*, B.A., M.A. (English), M.A. (History), Queens College of the City University of New York; M.L.S., St. John's University

Lucy Heckman, *Associate Professor and Head of Reference*, B.A., M.L.S., St. John's University; M.B.A., Adelphi University

Ann M. Jusino, *Associate Professor* (Staten Island), B.A. Villanova University; M.L.S., Rutgers University; M.A. College of Staten Island

William Keogan, *Associate Professor*, B.A., M.A., Queens College of the City University of New York; M.L.S., St. John's University

P. Charles Livermore, *Associate Professor*, B.A., College of Wooster, Ohio; M.L.S., Columbia University; M.B.A., Rutgers University

Andrea C. McElrath, *Associate Professor* (Staten Island), B.S., Western Connecticut State University; M.L.S., Southern Connecticut State University; M.A.L.S., CUNY, Staten Island

Mark Meng, *Associate Professor, Director*, Staten Island Library, B.A., Chongqing Architectural Engineering Institute, People's Republic of China; M.L.S., Ph.D., Rutgers University

Andrzej Sankowski, *Professor and Director of Collections and Information Management*, L.L.M., Jagiellonian University, Poland; M.L.S., Columbia University; M.A., Queens College

Kathryn Shaughnessy, *Associate Professor*, B.A., Loyola College; M.A. Fordham; M.L.S., St. John's University

Arthur Sherman, *Associate Professor*, B.A., Manhattan College; M.L.S., M.A., Queens College of the City University of New York; M.A. St. Joseph's Seminary, Yonkers

Victoria Tamborrino, *Associate Professor*, B.S., M.S./M.L.S., St. John's University

Connie Thorsen, *Associate Professor*, B.A., University of Iowa; M.L.S., St. John's University; M.S., Queens College, CUNY

Anthony Todman, *Associate Professor*, B.S., Boston University; M.L.S., Pratt Institute; M.S., Iona College

Ben Turner, *Associate Professor*, B.A., Concordia University; M.L.S., University of British Columbia; M.A., Hunter College, CUNY.

Tian Xiao Zhang, *Associate Professor*, B.A., Hunan Normal University; M.A., Fordham University; M.L.S., St. John's University

Law Library

Administration

Martin Cerjan, *Associate Dean for Library and Technology Services*, B.A., University of Michigan at Ann Arbor; J.D., M.S.L.S., University of North Carolina at Chapel Hill

Joseph P Hinger, *Associate Director for Technical Services*, B.A., M.L.S., University of Pittsburgh

Professional Staff

Astrid Emel, *Senior Circulation Librarian*, B.A., M.L.S., St. John's University

Rosemary LaSala, *Reference/Government Collections Librarian*, B.A., M.L.S., St. John's University

William H. Manz, *Senior Research Librarian*, A.B., College of the Holy Cross; M.A., Northwestern University; M.L.S., Long Island University; J.D., St. John's University

Antonio Ramirez, *Reference Librarian*, LL.B., Universidad Catolica Andres Bello; J.D., Duke University; M.L.S., St. John's University

Allan Ryan, *Assistant Director of Technical Services*, B.A., Providence College; M.L.S., CUNY, Queens College; M.A.L.S., St. John's University

Arundhati A. Satkalmi, *Senior Research Librarian*, B.S., M.S., University of Poona; M.L.S., M.A., St. John's University

Barbara G. Traub, *Head of Reference and Instructional Services*, B.A., J.D., SUNY, Buffalo; M.L.S., Long Island University

Academic Service-Learning

The Office of Academic Service-Learning (AS-L) was founded in 1995. It is now a part of the Vincentian Institute for Social Action (VISA). VISA was launched by the University to more visibly embed St. John's Catholic and Vincentian mission into the educational experience of its students. VISA provides an organizational focus for a variety of new and ongoing programs through which faculty and students can work together to explore the causes of and develop solutions for poverty and social injustice throughout the world.

Using Academic Service-Learning, faculty engage students in serving in the community to fulfill the learning goals and objectives of their courses. The service is used as a means for students to better understand course concepts. Reflection activities tie together what is learned in the classroom to the service performed in the community. While reflecting on their service experience, students are also able to gain insight into how their service in the community fulfills the St. John's mission as a Catholic and Vincentian university.

Academic Service-Learning can be incorporated in both graduate and undergraduate courses across all disciplines and at all campuses, as well as in courses taught globally and online. For further information on Academic Service-Learning contact Lynn Stravino, Director, at (718) 990-7902 or stravinl@stjohns.edu.

Campus Safety

The Department of Public Safety's primary role at St. John's University is to act as a deterrent to crime. St. John's Public Safety officers engage in routine motorized and foot patrols on a 24-hour basis. You can view the University's campus crime statistics at http://www.stjohns.edu/campus/publicsafety/annual_report.

You can also access this information at the United States Department of Education website located at www.ope.ed.gov/security. If you have any questions or require additional information, please contact the Department of Public Safety at (718) 990-6281.

Student Consumer Information

The following is a summary of the Student Consumer Information that is available to students. Please refer to www.stjohns.edu/about/general/consumer_information.stj for additional and the most up to date student consumer information.

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records. They include the right to: (1) inspect and review educational records; (2) request an amendment to these records; (3) consent to disclosures of personally identifiable information in these records; (4) restrict disclosure of information designated as directory information that may be released without consent of the student; and (5) file a complaint with the U.S. Department of Education for alleged failure by St. John's University to comply with FERPA requirements. Information regarding FERPA is located at www.stjohns.edu/campus/handbook/chapter6/requirements/files.stj.

FERPA provides that "Directory Information" may be released to any person without the written consent of the student, unless the student has requested that such information not be disclosed. For further information go to www.stjohns.edu/campus/handbook/chapter6/requirements/information.stj.

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

Dorothy Schmitt
Associate Director
Center for Counseling and Consultation
Tel (718) 990-6384
Fax (718) 990-2609

Staten Island campus

Kimberly Palmieri-Mouded
Associate Dean of Student Life
St. John's University
Office of Student Life
300 Howard Avenue
Staten Island, NY 10301
Tel (718) 390-4345
Fax (718) 390-4531

Campus Security Report/ Missing Persons Procedures/ Fire Prevention

Statistics are available for the prior three years concerning crimes that occurred on campus, in or on non-campus buildings or property, public property or residence halls. You can view the University's campus crime statistics at www.stjohns.edu/campus/publicsafety/annual_report.

The Advisory Committee on Campus Safety will provide upon request all campus crime statistics as reported to the United States Department of Education. You can also access this information at the United States Department of Education website located at www.ope.ed.gov/security. If you have any questions or require additional information, please contact the Department of Public Safety at (718) 990-6281.

Procedures for reporting a missing person are available on the University's website at www.stjohns.edu/campus/publicsafety/annual_report. Printed copies of the statistics and missing student procedures are available upon request.

Information on fire safety policies is located at www.stjohns.edu/campus/publicsafety/annual_report.

Graduation Rates

Student Right to Know/ Completion and Graduation Rates

GRADUATION RATES WITHIN 150% of normal time – Fall 2006 Full-time cohort	All*	Baccalaureate/ PharmD Seeking Students
Overall	59%	59%
Gender:		
Male	56%	56%
Female	61%	61%
Ethnicity:		
Black	46%	46%
Asian	67%	67%
Hispanic	57%	57%
White	63%	63%
Non-Resident	76%	76%
Unknown	50%	50%
By Aid		
Recipients of Federal Pell Grant	54%	54%
Recipients of a subsidized Stafford Loan who did not receive a Pell Grant	61%	61%
Students who did not receive either a Pell Grant or a subsidized Stafford Loan	62%	62%
4 yr. Average	58%	58%
Student Athlete 2006 Grad Rate: 63%		
Student Athlete 4 yr Class Rate: 57%		

*All includes students pursuing a
Baccalaureate/ Pharm.D. degree as well as
those pursuing an Associate degree

Athletic Program Participation Rates and Financial Support Data

Completion and graduation rates for students who receive athletically related student aid and the annual Equity in Athletics Disclosure Act Report that contains participation rates, financial support and other information on men's and women's inter-collegiate athletic programs can be located at www.redstormsports.com/genrel/010809aae.html or at <http://ope.ed.gov/athletics/>

Retention Rates

Seventy-six percent of all Associate, Baccalaureate and Pharm.D. seeking freshmen who entered in Fall 2011 returned in Fall 2012. Seventy-six percent of Baccalaureate and Pharm.D. first-time degree seeking freshmen who entered in the Fall 2011 returned in the Fall 2012.

Student Body Diversity (Full-time Undergraduates – Fall 2012)

Gender:

- 48% Male
- 52% Female

Ethnicity

- 19% Black
- 19% Asian
- 16% Hispanic
- 35% White
- 4% Two or More Races
- 5% Non-Resident (International)
- 2% Unknown

44% of this population were Federal Pell Grant Recipients

Teacher Education Preparation Programs

Our teacher preparation program is approved by the New York State Education Department and is accredited by the Teacher Education Accreditation Council (TEAC).

A student spends an average of 28 hours a week student teaching depending on the program. The most current pass rates are available at <https://title2.ed.gov/View.asp>

Copyright Infringement Policy and Sanctions

Sharing copyrighted works without the owner's permission is illegal and in violation of University policy. Copyrighted works may include songs, films, television shows, video games, software, and other original creative works. Information on University policy can be found at www.stjohns.edu/about/general/consumer_information.stj

Complaint Resolution for Online Learning

St. John's University is committed to providing online learning students with an exceptional education experience that is transparent, efficient, stimulating and fair. If, as a prospective or current student, you feel that your experience with a online learning course or program for the University has not lived up to those standards, you may register a complaint. Information on the process can be found at www.stjohns.edu/academics/graduate/distancelearning/about/120507_complaint_resolution_students.stj

Other General Institutional Information

St. John's University Alcohol and Drug Policy

www.stjohns.edu/campus/handbook/chapter6/drugs

Placement Rates

For detailed information on placement rates, please visit: www.stjohns.edu/policies

Financial Aid

For additional information on Financial Aid offered at St. John's University, please refer to the Financial Aid section of this bulletin or visit www.stjohns.edu/services/financial

Vaccination Policy

St. John's University's policy on vaccinations can be found at www.stjohns.edu/about/general/consumer_information.stj

Voter Registration

St. John's University makes voter registration forms available to their students at locations throughout the University. Additional information and links to registration forms can also be found at www.stjohns.edu/about/general/consumer_information.stj

Officers of Administration

Joseph L. Levesque, C.M., B.A., M.Div., Mary Immaculate Seminary; M.A., Manhattan College; S.T.D., Catholic University of America; *Interim President*

Gerard H. Luttenberger, C.M., B.A., M.Div., Mary Immaculate Seminary; M.A., Creighton University; S.T.L., S.T.D., Fribourg University; *Executive Vice President for Mission*

Martha K. Hirst, B.A., M.U.P., New York University; *Executive Vice President, Chief Operating Officer and Treasurer*

Robert A. Mangione, B.S., Phm., M.S., P.D., Ed. D., St. John's University, *Provost and Professor of Pharmacy*

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 Secretary*

Beth M. Evans, A.B., Muhlenberg College; M.P.A., New York University, *Vice President for Enrollment Management*

Dorothy E. Habben, B.A., Adelphi University; M.A., St. John's University; Ph.D., New York University, *Vice President and University Secretary*

Mary T. Harper Hagan, B.A., Trinity College, *Senior Vice President for Human Resources and Strategic Planning*

Sharon Hewitt Watkins, C.P.A., B.S., New York University; M.A., Columbia University; *Vice President for Business Affairs and Chief Financial Officer*

Kathryn T. Hutchinson, B.A., College of St. Benedict; M.S., St. John's University; Ph.D., Teachers College of Columbia University; *Vice President for Student Affairs*

Joseph E. Oliva, Esq., B.S., J.D., St. John's University, *General Counsel*

Jerrold Ross, B.S., New York University; M.S., Queens College, CUNY; Ph.D., New York University; D.Hum. (Hon.), Emerson College, *Academic Vice President, Staten Island Campus and Dean, The School of Education*

Recognition/Accreditation

Accreditation Council for Pharmaceutical Education (ACPE)

Accreditation Review Commission on Education for the Physician Assistant (ARC-PA)

American Association for Accreditation of Laboratory Animal Care (AAALAC)

American Bar Association (ABA)

American Chemical Society (ACS)

American Library Association (ALA)

American Psychological Association (APA)

American Speech-Language-Hearing Association (ASHA)

Association of American Law Schools (AALS)

Council for Accreditation of Counseling and Related Educational Programs (CACREP)

Joint Review Committee on Education in Radiologic Technology (JRCERT)

Middle States Association Commission on Higher Education (MSCHE)

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

National Association of Schools of Arts and Design (NASAD)

Teacher Education Accreditation Council (TEAC)

The Association to Advance Collegiate Schools of Business (AACSB International) (Business and Accounting)

The University maintains membership in some 200 professional organizations.

Founded by the Vincentian Community.

Chartered by the Board of 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 houses the Law Library, Law Admission, Law Career Services, Elder Law Clinic, Moot Court Room, classrooms, faculty and administration offices, student lounges, 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, Professional Development and Training Center, Asian Studies, Department of Student Life, Student Financial Services, Criminal Justice Program. It also contains faculty and administration offices and an auditorium.

Carnesecca Arena the athletic center, houses the main gymnasium seating over 5,000 people, an auxiliary gymnasium, fitness center, various athletic activity rooms, and coaches' offices, the Little Theatre, classrooms for hygiene and physical education and the ticket office. The Belson Soccer Stadium and varsity baseball field are also located on the Queens campus near Carnesecca Arena.

Chiang Ching-Kuo Hall houses the University Career Services.

Council Hall houses the Welcome Center.

Newman Hall houses the University's executive administration offices, the Provost's office, University Ministry, Information Technology, Computer Center, Enrollment Management, Institutional Research, and International and Graduate Admission.

Residence Village is an on-campus housing environment that contains six residence buildings; Carey Hall, DaSilva Hall, Century Hall, Donovan Hall, Hollis Hall, and O'Connor Hall. Montgoris Dining Hall is also located in the village, as well as the Learning Community, women's softball field, Health Offices and the Customer Service Center.

St. Albert the Great Hall houses the College of Pharmacy and Health Sciences, the science departments, Environmental health and Safety. It also holds classrooms, science laboratories, faculty offices, an auditorium and the animal care facility.

St. Augustine Hall houses the University Library, University Archives, Library and Information Sciences, Academic Commons, Café, Writing Center, Health and Education Resource Center, Computer Training Education Lab, Honor's Lounge, Language Laboratory and the University Freshman Center.

St. John the Baptist Hall houses St. John's College of Liberal Arts and Sciences, the Graduate Division of Arts and Sciences, ESL Program, the Division of Special Opportunity Programs and the Global LanguageCulture Center. It also contains the Offices of the Liberty Partnership and Gear up Program, fine arts studies, photography dark rooms, classrooms and faculty offices.

Lourdes Hall houses the Offices of Global Studies, the Vincentian Institute for Social Action and the Ozanam Scholars.

St. Louise de Marillac Hall Campus Ministry, a closed circuit Television Center, classrooms, faculty offices, Office of University Events, the Counseling Center, Psychology Department, an auditorium and the main food court. The Marillac Food Court seats over 500 people. The University bookstore is located on the lower level.

St. Thomas More Church is located in the Great Lawn and is the spiritual center of the Queens campus. During the academic year Mass is celebrated Monday through Friday as well as Sunday. The University Chaplain is also housed in this facility.

St. Vincent de Paul Hall is a student residence hall. It also houses the Undergraduate Admission and the Vincentian Center for Church and Society, the Ozanam Lounge and a Café.

Sullivan Hall houses The School of Education, the Academic Technology Center, classrooms, lecture rooms, seminar room, special purpose teaching facilities and laptop repair and Computer Lab.

Sun Yat Sen Hall houses the Chung-Cheng Art Gallery, the Faculty Club and the Asian Library. Office of Global Studies and The Center for Language

Taffner Field House has a direct access to Carnesecca Arena. It houses two recreational basketball courts with varsity basketball courts, locker rooms and lounges, weight training room, medical training room, team classrooms, offices of the basketball coaches and recreational sport offices.

Townhouses This recently built apartment style student residences houses near 300 students. The complex features stone entry gates and courtyards to each of the five houses.

The Second Lt. Thomas J. McDonald Reserve Training Center is named for a distinguished alumnus of St. John's College of Liberal Arts and Sciences 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. Department of Facilities/Design and Construction, Public Safety, StormCard office, Printing and Distribution Services and the University mail Services are housed here.

University Center houses the offices of Institutional Advancement, Alumni Relations, Marketing and Communications and Human Resources.

The D'Angelo Center is the newly constructed student and academic center. It houses active learning classrooms, a large auditorium, seminar rooms, cafeteria and a coffee house, student organizational lounges, student government offices, student publication, a large central seating area, center for student services, game lounge, a large multi-purpose room, print coop, student offices and Student Life offices.

Off Campus Facilities

DePaul Houses is an off-campus dormitory with apartment-style living, 35 units, altogether housing 89 students.

Seton Complex is an off-campus facility, houses the Speech and Hearing Clinic, the Reading Clinic and the Center for Psychology Services. On the 2nd, 3rd and 4th floors are student apartment style housing, 20 units with a total of 94 beds.

Dr. Andrew J. Bartilucci Center is an off-campus facility, it houses classrooms and administrative offices for the Emergency Medical Service Institute, Physician Assistant program, the Radiological Science and Clinical Laboratory Science program, Master of Public Health program.

Henley Road Residence

The residence is a newly constructed seven-story building. The building surrounds a landscaped plaza and is just minutes from the Queens Campus. The facility includes 66 apartment-style suites accommodating 435 students. Student lounges are located on every floor, and a laundry facility is housed in the lower level.

Manhattan Campus

The Manhattan Campus is located in Downtown Manhattan, in the heart of the Financial district. The building is 10 stories high. The lower five floors house an enclosed atrium, 31 classrooms, a cafeteria, fitness center, Public Safety, Chapel, library, Auditorium, Computer Labs, Administrative offices, The Peter J. Tobin College of Business Graduate Office, The School of Education and the St. John's College of Liberal Arts and Sciences and the School of Risk Management. The upper floors are dormitory rooms for 199 residential beds.

Oakdale Campus

The Oakdale Campus is located on 175 acres, and it houses the Library Science and School Psychology Graduate programs of St. John's College of Liberal Arts and Sciences as well as The School of Education. The campus includes two classroom buildings; St. Joseph's Hall and the Graduate Academic Center all together with 18 classrooms. The Centennial Hall Theatre building is a one-story building that seats 400 people. The Br. Miguel Center is a two-story Administration building provides offices for faculty and administrators as well as a computer laboratory. The St. Benilde Library building located adjacent to the classroom building. The first floor also houses a library information sciences and a computer laboratory. St. Joseph Hall houses the gymnasium and fitness center includes a full size basketball court. At the center of the Campus is the Mansion, a three-story building that provides conferencing and dining. The cafeteria provides seating for 284.

Rome Campus

The Rome, Italy campus is located in the Prati neighborhood, a short walking distance to Vatican City. The newly renovated facility includes classrooms, a computer lab, a library, laundry facilities and administrative offices. The dormitory accommodates 125 students. The students have access to spacious lounge spaces and kitchens areas on all of the dormitory floors. An internal courtyard provides outdoor activity and study space for students.

Paris Campus

The Paris, France campus is located in the popular and centrally located St. Germain district. The newly renovated facility includes classrooms, a seminar room, computer lab, library, dining room, student lounge and administrative offices. Students have their own laundry room in the building. The dormitory accommodates 96 students.

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 all buildings on campus via our wireless network.

The Campus Center contains the administrative office for Student Life, the Health Services 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 an atrium seating area. The gymnasium is located on the upper level.

DaSilva Academic Center contains technology equipped classrooms, St. John's College of Liberal Arts and Sciences 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 Academic Vice President, Office of the Assistant Vice President, and Executive Director of Operations/Facilities, St. John's College of Liberal Arts and Sciences Dean's Office, Office of Alumni Relations, School of Education Counseling Lab, mailroom conference room and the Campus Boardroom.

Kelleher Center houses the Office of Admission, Student Enrollment Services, the Campus Bookstore, the Fitness Center, the Kiernan Suite, first floor student lounge and conference/meeting rooms.

Lavelle Hall contains technology-equipped classrooms, the St. Vincent de Paul Chapel, an office for Campus Ministry, classrooms, Career Center and Speech and Pathology.

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 a student lounge area that provides gallery space for student and local artist and VISA/ OZANAM Scholars Administrative Offices.

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 Black Box Theater 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 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

INT 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.

IRT 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, or 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.

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