



ST. JOHN'S UNIVERSITY

Undergraduate Bulletin

2023–2025

December 5, 2023

St. John's University Undergraduate Bulletin

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This is your official guide to academic policies and regulations at St. John's University. Students are required to familiarize themselves with this bulletin. Primary responsibility for knowing and fulfilling all requirements rests on every individual student. The bulletin in effect at the time of admission or readmission governs degree requirements.

The University reserves the right to change or modify its schedule of tuition and fees and to withdraw, cancel, reschedule or modify any course, program of study, degree, or any other requirement in connection with any of the foregoing.

St. John's University does not discriminate on the basis of race, color, national or ethnic origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity or expression, disability, religion, age, status in the uniformed services of the United States (including veteran status), marital status, status as a victim of domestic violence, citizenship status, genetic predisposition or carrier status, or any other category protected by law, in its programs and activities.

The following person has been designated to handle student inquiries regarding disabilities: Jason Luchs, Associate Director, Office of Disability Services, Marillac Hall, Room 134, 8000 Utopia Parkway, Queens, NY 11439, luchsj@stjohns.edu; 718-990-6867.

The following person has been designated to handle inquiries regarding non-discrimination and is the Title IX coordinator: Danielle Haynes, Director of Equal Opportunity, Compliance and Title IX, 8000 Utopia Parkway, Queens, NY 11439, haynesd1@stjohns.edu; 718-990-2660.

The following person has been designated a deputy Title IX coordinator: Jackie Lochrie, Senior Associate Dean for Student Services, 8000 Utopia Parkway, Queens, NY 11439, lochriej@stjohns.edu; 718-990-6568.

The following person has been designated a deputy Title IX coordinator: Kristin Quinn, Senior Associate Athletic Director/Senior Women Administrator, 8000 Utopia Parkway, Queens, NY 11439, quinnk@stjohns.edu; 718-990-6736.

Inquiries concerning non-discrimination may be referred to the Title IX coordinators or to the Office for Civil Rights, United States

Department of Education. Visit <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the U.S. Department of Education office that serves your area, or call 1-800-421-3481.

Other bulletins and brochures of St. John's University and up-to-date academic information may be obtained by contacting:

Office of Admission

St. John's University
8000 Utopia Parkway
Queens, NY 11439
1-888-9STJOHNS

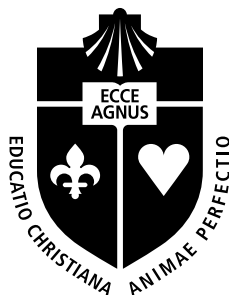
www.stjohns.edu

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

St. John's University
101 Astor Place
New York, NY 10007
1-888-9STJOHNS

USE OF THE NAME OF ST. JOHN'S UNIVERSITY

Students of St. John's University, either individually or collectively, shall not, without the written consent of the proper authorities, use the name of St. John's University or any of its units in any activity of whatsoever kind outside of the regular work of the school. Violation of this rule is regarded as sufficient cause for dismissal.



ST. JOHN'S UNIVERSITY

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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

The Lesley H. and William L. Collins
College of Professional Studies

8000 Utopia Parkway
Queens, NY 11439
1-718-990-2000

101 Astor Place
New York, NY 10007
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Contents

Academic Calendars.....	3
Admission	4
Expenses.....	6
Withdrawal and Refunds	7
Academic Information and Regulations.....	8
Approved Programs of Study.....	8
Office of the Registrar	10
Study Abroad Programs.....	14
Division of Academic Support Services	15
Financial Aid.....	17
Student Support Services and Resources	26
Core Curriculum.....	31
St. John's College of Liberal Arts and Sciences.....	33
The School of Education.....	85
The Peter J. Tobin College of Business	95
College of Pharmacy and Health Sciences	114
The Lesley H. and William L. Collins College of Professional Studies	144
General Information.....	210
Officers of Administration.....	213
Recognition/Accreditation.....	213
Directions	215
Index	217

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 2023–2025

2023 Fall Semester

August

30 **Wednesday:** First Day of Classes

September

2 **Saturday:** No Classes
4 **Monday:** Labor Day–University Closed–No Classes.
6 **Wednesday:** Last day to drop/add classes.
15 **Friday:** Last day to submit a diploma application for September 2023 degree conferral
19 **Tuesday:** Last day to drop a class without transcript notation
20 **Wednesday:** Withdrawal period begins
29 **Friday:** September 2023-degree conferral day

October

9 **Monday:** Fall Mini Break–University Closed– No Classes
10 **Tuesday:** **Monday Classes Meet**
18 **Wednesday:** Mid-term grades due for first-time and first year students

November

6 **Monday:** Last day to withdraw from a class or apply for pass/fail option
8 **Wednesday:** **Friday Classes Meet**
10 **Friday:** Veterans Day Observed–University Closed–No Classes
11 **Saturday:** Veterans Day–University Closed–No Classes
22 **Wednesday:** Thanksgiving Recess– No Classes
23–25 **Thursday- Saturday:** Thanksgiving Recess–University Closed- No Classes

December

7 **Thursday:** Snow/Study Day–No Classes
8 **Friday:** Snow/Study Day–No Classes
9 **Saturday:** Saturday Classes Held
11–16 **Monday-Saturday:** Final Examination/ Assessment Week

2024 Spring Semester

January

TBA Makeup Examination– permission of the Dean required
15 **Monday:** Martin Luther King, Jr. Day–University Closed–No Classes
17 **Wednesday:** First Day of Classes
19 **Friday:** Last day to submit diploma application for January 2024 degree conferral
23 **Tuesday:** Last day to drop/add classes
31 **Wednesday:** January 2024–degree conferral date

February

6 **Tuesday:** Last day to drop a class without a transcript notation
7 **Wednesday:** Withdrawal period begins
19 **Monday:** Presidents' Day–University Closed–No Classes
26–March 2:
Monday–Saturday: Spring Break–No Classes

March

13 **Wednesday:** Mid-term grades due for first-time and first year students
28–April 1:
Thursday-Monday: Easter Recess–University Closed–No Classes

April

2 **Tuesday:** Last day to withdraw from a class or apply for pass/fail option
3 **Wednesday:** **Monday Classes Meet**
30 **Tuesday:** Snow/Study Day–No Classes

May

1 **Wednesday:** Snow/Study Day–No Classes
2–8 **Thursday- Wednesday:** Final Examination Week/Assessment Week
17 **Friday:** Graduate Level Commencement Ceremony for St. John's College of Liberal Arts and Sciences, College of Pharmacy and Health Sciences, The Lesley H. and William L. Collins College of Professional Studies 10 a.m. Carnesecca Arena, Queens Campus
17 **Friday:** Graduate Level Commencement Ceremony for The School of Education, The Peter J. Tobin College of Business 4 p.m. Carnesecca Arena, Queens Campus
19 **Sunday:** Undergraduate Commencement Ceremony 10 a.m. Great Lawn, Queens Campus

2024 Fall Semester

September

2 **Monday:** Labor Day- University Closed–No Classes
4 **Wednesday:** First Day of Classes

October

14 **Monday:** Fall Mini Break–University Closed– No Classes
16 **Wednesday:** **Monday Classes Meet**

November

5 **Tuesday:** Presidential Election–University Closed– No Classes
11 **Monday:** Veterans Day–University Closed–No Classes
27 **Wednesday:** Thanksgiving Recess–No Classes
28-30 **Thursday-Saturday:** Thanksgiving Recess–University Closed–No Classes

December

12 **Thursday:** Snow/Study Day–No Classes
13-19 **Friday-Thursday:** Final Examination/ Assessment Week

2025 Spring Semester

January

20 **Monday:** Martin Luther King, Jr. Day–University Closed–No Classes
22 **Wednesday:** First Day of Classes

February

17 **Monday:** Presidents' Day–University Closed–No Classes

March

3-8 **Monday-Saturday:** Spring Break–No Classes

April

17-21 **Thursday-Monday:** Easter Recess–No Classes
23 **Wednesday:** **Monday Classes Meet**

May

6 **Tuesday:** Snow/Study Day–No Classes
7 **Wednesday:** Snow/Study Day–No Classes
8-14 **Thursday–Wednesday:** Final Examination/Assessment Week
16 **Friday:** Graduate Level Commencement Ceremony for St. John's College of Liberal Arts and Sciences, College of Pharmacy and Health Sciences, The Lesley H. and William L. Collins College of Professional Studies 10 a.m. Carnesecca Arena, Queens Campus
16 **Friday:** Graduate Level Commencement Ceremony for The School of Education, The Peter J. Tobin College of Business 4 p.m. Carnesecca Arena, Queens Campus
18 **Sunday:** Undergraduate Commencement Ceremony 10 a.m. Great Lawn, Queens Campus

First Year Admission

Admission is determined by the applicant's previous academic performance, satisfactory achievement on standardized tests (where applicable), letters of recommendation and other factors that suggest academic potential and motivation. To apply for admission, students must provide the following documents:

- Completed application for undergraduate admission
- Official high school transcripts for all secondary schools attended
- Official standardized test scores, including SAT or ACT scores (where applicable)

Students applying to the Pharmacy program are also required to provide signed technical standards, an essay, and two letters of recommendation including one from a math or science teacher. The technical standards are typically completed as part of the admission application.

Students applying to Illustration and Photography are also required to submit a portfolio for admission consideration into these programs.

Applicants with high school equivalency diplomas (based on the General Education Development tests) are considered for admission. They must submit an official copy of the GED scores and diploma for admission consideration.

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 one semester are required to include a statement of activity explaining their activities during the gap in education. The statement of activity is typically completed as part of the admission application.

It is recommended that first-year applicants to the University complete the following course requirements upon graduation from high school:

- English 4 credits
- Social Studies/History 4 credits
- Mathematics 3 credits
- Science 3 credits

Students interested in The Peter J. Tobin College of Business are encouraged to complete four credits of mathematics.

New York State home-schooled students and students who graduate from an online high school must submit a letter of substantial equivalency from the Superintendent of Schools. Homeschooled students and students who graduate from an online high school must submit a final copy of their academic transcript from a State recognized Home School Agency or online high school and a letter from the local school district verifying graduation upon enrolling at the University.

Alternatively, home-schooled students and students who graduate from an online high school may provide official GED scores and transcript to

satisfy enrollment requirements. Students home schooled outside of the United States must submit a NACES member evaluation.

The Office of Admission reserves the right to request additional documentation and to waive certain requirements as part of the admission process.

Test-Optional Admission

Qualified students applying for first year admission can choose whether or not to submit ACT or SAT scores as part of their application for admission. Applicants who apply test-optional will be evaluated based on their overall academic record, including grades earned in academic course work, performance in honors and Advanced Placement courses. In addition, other factors will include letters of recommendation, co-curricular activities, community service, and other achievements.

International students, home-schooled students, US citizens who have attended an international secondary school, students applying to select majors, and prospective student athletes may not be eligible to apply test-optional. The Office of Admission reserves the right to require standardized test scores of any applicant as part of the admission process.

Application Deadlines

The University operates on a rolling admission basis with the following early action deadlines for fall admission.

Early Action	December 1
Applications received after February 1 will be reviewed on a rolling admission basis.	
Applications for spring admission are accepted on a rolling admission basis.	

Pharm.D. Major

Early Action	
(first year students)	December 1
Regular decision	
(first year students)	February 1
Regular decision	
(transfer students)	March 1
First time first year applications will be accepted on a Rolling Decision basis after February 1. Select academic programs may close upon reaching capacity.	

All applications and supporting documentation must be postmarked by December 1 for the Early Action deadline, by February 1 for the regular decision deadline, and March 1 for a transfer student deadline for fall entry.

International students applying to the Pharm.D. program may be required to submit official SAT or ACT scores for admission.

Bio-Optometry

First-year students interested in Bio-Optometry are considered for admission into the Biology major at St. John's University. Qualified

applicants will be contacted by the Deans Office in St. John's College of Liberal Arts & Sciences to complete the application for process for SUNY College of Optometry.

The deadline to apply for fall admission to the Bio-Optometry program is December 1.

International Student Admission

Qualified international students are eligible for admission to all undergraduate programs of the University. Such candidates must have superior academic records, and show proof of English language proficiency if their native language is other than English.

The Office of Admission reserves the right to request additional documentation and to waive certain requirements as part of the admission process.

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

The Office of Admission reserves the right to request additional documentation and waive certain requirements as part of the admission process.

First Year Applicants: A formal application must be submitted along with the following credentials:

- Official academic records and/or official certificates from the Ministry of Education or secondary school
- Official examinations results, if taken, directly from the examining board
- Demonstrate English proficiency by submitting score reports for the Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS), Duolingo, SAT or ACT score reports
- SAT or ACT score reports are required for students wishing to compete at the NCAA level, and for students applying to the Pharmacy program (Pharm.D.), Actuarial Science, Speech Pathology, Bio-Optometry. The University reserves the right to require SAT or ACT scores for additional programs as necessary.
- SAT or ACT scores are required if the applicant's entire high school education is completed in the U.S. and/or their native language is English.
- It is strongly encouraged that a letter of recommendation from an advisor and a personal statement or essay is submitted.
- Students who are home-schooled outside of the U.S. need to submit a NACES member evaluation.

International Transfer Applicants: A formal application must be submitted along with the following documents:

- Official university/post secondary school records
- Course-by-course evaluation from a National Association of Credential Evaluation Services (NACES) approved agency
- Official academic records or official certificates/results from the Minister of Education or secondary school
- Official examination results, if taken, directly from the examining board
- 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), International English Language Testing System (IELTS) or Duolingo
- SAT or ACT score reports are required if wishing to compete at the NCAA level.
- Course-by-course evaluation from a National Association of Credential Evaluation Services (NACES.org) approved agency.

Transfer students applying to programs offered by The Peter J. Tobin College of Business or College of Pharmacy and Health Sciences must submit a World Educational Services (wes.org) course-by-course evaluation.

First year and Transfer applicants who are academically admissible, but have not demonstrated satisfactory English proficiency, may be conditionally admitted through the English Language Institute (ELI). 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.

Transfer Student Admission

A transfer student is considered a student that graduated from high school and enrolled at another college or university after high school graduation. If a student attended another college or university as a non-matriculated student they are still considered a transfer student.

External Transfer Students

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 August 1 for the fall semester and December 1 for the spring semester.

The deadline to apply to the Pharmacy program as a transfer applicant is March 1 for the fall semester. Transfer applications are not accepted for the Pharmacy program 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:

- A completed transfer application and official college transcripts.
- If an associate degree was not completed, the student must also provide a final high school transcript with graduation date.
- A letter explaining interim activities if the student has been out of school for one or more semesters.

The Office of Admission reserves the right to request additional documentation and to waive certain requirements as part of the admission process.

St. John's University students who have not been in attendance at St. John's University for a semester or more, and have not attended another college or university in the interim may be considered as candidates for readmission. Eligible students must submit the following information:

- Completed readmission application
- Official final high school transcript with date of graduation.

Students who have taken courses at another institution after leaving St. John's are required to apply as a transfer applicant to be considered for admission to St. John's.

Pre-College Opportunity Programs

College Advantage Program

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 and/or state aid purposes.

Early Admission Program

Early Admission is a collegiate program designed to provide an opportunity for qualified students to complete their first 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 students 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 the Director of Pre-Admission Programs, 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 Newman Hall, Room 155. For information contact 718-990-6565.

Scholars Program

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 is given by the Director Pre-Admission Programs

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.

Enrollment Requirements

First year requirements:

Applicants must submit:

- Official final high school transcript, including date of graduation
- Proof of Graduation
- Official standardized test scores (if applicable)
- GED scores and diploma (if applicable)
- Other documents as required by the University

Home-School and Online High School Requirements:

- Students must submit a final copy of their academic transcripts from a State Recognized Home School Agency
- New York State home-schooled students must submit a letter of substantial equivalency from the Superintendent of Schools or a GED diploma and transcript
- Students home-schooled outside of New York State must submit a letter from the local school district or state of residency verifying graduation or a GED diploma and transcript.
- Other documents as required by the University

Transfer Student Requirements:

- Final college transcript
 - If an associate degree was not completed, the final high school transcript including graduation date.
- * Other documents as required by the University.

Application Fee and Enrollment Deposit

All candidates who have been accepted by St. John's University must confirm their intention to enroll by submitting a non-refundable deposit of \$300. Students residing on campus must also submit a non-refundable deposit of \$400 to secure housing. The \$300 and \$400 deposit is non-refundable but is credited toward tuition and room and board upon registration. St. John's University adheres to the National College Enrollment Deposit Day recognizing May 1 as the official deadline for submitting enrollment deposits for the fall semester. *All deposits are non-refundable.

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.

Health requirements:

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 accordance 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.*

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 Visa and all resident students to have adequate health 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 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 universityhealthplans.com.

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

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

Please direct any questions to: The Office of Student Financial Services at 718-990-2000 for the Queens campus or University Health Plans at 1-833-251-1134.

* Health insurance rates will be announced in April of each year. Please refer to the University webpage under Tuition for up-to-date information.

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. MasterCard, VISA and Discover are currently accepted by the Office of Student Financial Services, or the Office of Enrollment Services on the Staten Island campus.

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 or be issued a diploma. 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, fees, and room and board rates will be announced in April of each year. Please refer to the University webpage under Tuition for up to date information.

The University General Fee is charged per semester, which 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.

The Student Activity Fee per semester supports student organizations in accordance with procedures set by the Student Government.

The University Technology fee is assessed to all registered undergraduate and graduate students

per semester regardless of modality and includes but is not limited to the use and maintenance of the technology infrastructure, including wireless networking, general classroom technology, online content and specialized technology in lab spaces. The fee will also help fund new innovative teaching spaces and continue to infuse technology into learning spaces, exposing all registered students to the latest technology.

Individual courses may carry a laboratory or studio fee. Please refer to the course offerings section on the SJU website for specific fee information.

Room and Board Withdrawals

Room and Board Withdrawal percentages will be announced in June for the Fall semester and in January for the Spring semester. Please refer to the University webpage under Tuition for up to date information.

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

Withdrawal from Courses and Tuition Refunds

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

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

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

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

**Tuition refund percentages will be announced in June for the Fall semester and in January for the Spring semester. Please refer to the University webpage under Tuition for up to date information.*

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

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 stjohns.edu/admission-aid/tuition-and-financial-aid/payment-options 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.

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.

For information regarding dual degree programs, please contact The Office of Admission.

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
Art History	1003.00	BA
Asian Studies	0301.00	BA
Asian Studies/ Accounting	0301.00/0502.00	BA/MS
Asian Studies/ Business Admin	0301.00/0506.00	BA/MBA
Biochemistry	0414.00	BS
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
Communication Studies	0601.00	BA
Communication Studies/Law	0601.00/1401.00	BA/JD
Computing and Machine Learning	0799.00	BS
Critical Race and Ethnic Studies	4901.00	BA
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
	1501.00/1501.00	BA/MA
English/Business Admin	1501.00/0506.00	BA/MBA
English/Law	1501.00/1401.00	BA/JD
Environmental Science	0420.00	BS

Environmental Sustainability & Decision Making	2299.00	BA
Environmental Sustainability & Decision Making/Law	(2299.00/1401.00)	BA/JD
Financial Mathematics	1703.00	BS
French	1102.00	BA
French/Business Admin	1102.00/0506.00	BA/MBA
French/Law	1102.00/1401.00	BA/JD
French/Library and Information Science	1102.00/1601.00	BA/MS
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
Italian/Library and Information Science	1104.00/1601.00	BA/MS
Mathematical Physics	1902.00	BS
Mathematical Physics/ Business Admin	1902.00/0506.00	BS/MBA
Mathematics	1701.00	BA
	1701.00	BS
Mathematics/ Law	1701.00/1401.00	BA/JD
Philosophical-Theological Studies	5623.00	CERT
Philosophy	1509.00	BA
Philosophy/Law	1509.00/1401.00	BA/JD
Photography	1011.00	BFA
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	2001.00/2209.00	BA/MA
Psychology/Criminology and Justice	2001.00/2009.00	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
Spanish/Library and Information Science	1105.00/1601.00	BA/MS
Speech Pathology and Audiology	1220.00	BA
Speech Pathology and Audiography/ Law	1220.00/1401.00	BA/JD
Theology (Religious Studies)	1510.00	BA
	1510.00/1510.00	BA/MA
Theology/Law	1510.00/1401.00	BA/JD

Staten Island campus

Major Name HEGIS Code Credentials

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
Environmental Sustainability and Decision Making	2299.00	BA
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
	1701.00/1401.00	BA/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
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

Adolescent 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/ MSD
Childhood Education Grade 1–6/Teaching Children W/Disab In	0802.00/0808.00	BSED/ MSD
Childhood		

The Peter J. Tobin College of Business

Queens campus

Major Name HEGIS Code Credentials

Accounting	0502.00	BS
Actuarial Science	1799.00	BS
Interdisciplinary Business	0501.00	BS
Business Analytics	0503.00	BS
Economics	2204.00	BS
Finance	0504.00	BS
International Management	0513.00	BS
Management	0506.00	BS
Marketing	0509.00	BS

Staten Island campus

Major Name HEGIS Code Credentials

Accounting	0502.00	BS
Interdisciplinary Business	0501.00	BS
Finance	0504.00	BS
Management	0506.00	BS
Marketing	0509.00	BS

Manhattan campus

Major Name HEGIS Code Credentials

Actuarial Science	1799.00	BS
Interdisciplinary Business	0501.00	BS

The Tobin Fast-Track programs provide an economic and competitive advantage to undergraduate students by reducing the financial burden of their graduate business degree. All Tobin students majoring in any of the above undergraduate disciplines who meet the required minimum grade point average for graduate study can progress into the Tobin Master of Science programs (accounting, actuarial science, business analytics, enterprise risk management, entrepreneurship and innovation, finance, global management, risk and financial advisory, risk management and risk analytics, and taxation) or the Master of Business Administration programs. Select non-Tobin undergraduates may also take advantages of the opportunities provided by our Fast-Track programs and pursue our Master of Business Administration degree in five years. The Fast Track programs provide an opportunity for St. John's University undergraduates to take up to four graduate business classes during their senior year, students only need to complete the remaining seven graduate business classes (21 credits for M.S. programs) or eight graduate business classes (24 credits for MBA programs) in their fifth year. Applications for the Fast Track

programs should be completed by the end of a student's third year of study and admission is based primarily on the student's undergraduate academic performance.

College of Pharmacy and Health Sciences

Queens campus

Major Name HEGIS Code Credentials

Biomedical Sciences	0499.00	BS
Clinical Laboratory Sciences	1223.00	BS
Nursing	1203.00	BS
Pharmacy	1211.00	PHARM
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. 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 via St. John's University Information System (UIS) through <https://signon.stjohns.edu>

E-Bills are sent to students after each registration period. Student 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 their entire program if payment is not made by the due date.

Students may change their registration with the approval of their Dean. 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 whichever grade is deemed appropriate based on the student's attendance and participation.

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 <https://signon.stjohns.edu>. Forms related to processes such as adding and dropping classes, requesting permission to

study outside the University, and transferring from one school/college of the University to another are also available via UIS through <https://signon.stjohns.edu>. Students are encouraged to consult the University web site and the Office of the Registrar site on a regular basis.

Registration and Liability

Apart from first-semester students and certain students in "block" programs of study, students select their own classes via the St. John's University Information System (UIS, through <https://signon.stjohns.edu>)

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

When you complete your registration, you are fully liable for your registration both academically and financially. You must notify us officially if you will not attend St. John's after your registration is complete.

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, through <https://signon.stjohns.edu>) For information on payment options, please visit <https://www.stjohns.edu/admission/tuition-and-financialaid/payment-options> or contact the Office of Student Financial Services. Students who have no payment due or a refund due must complete their registration process by confirming registration for the semester by going to the "View/Confirm Term Bill" section via the UIS account through <https://signon.stjohns.edu>

DegreeWorks

Student advisement reports powered by DegreeWorks is a web-based program that enables students to easily track academic progress. The report is an unofficial guide and source of information on degree requirements. The information on advisement reports is in "real-time"—accurate at the point in time the report is run. For more information, please visit <https://www.stjohns.edu/academics/office-registrar>

Withdrawing from Class

You may drop or add a class via UIS through <https://signon.stjohns.edu> 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 first three weeks of the semester, you may 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.

If you would like to drop a class after the third week of the semester, it will be noted as a withdrawal (WD) on your transcript. 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. This mark does not calculate into your GPA. Please consult the academic calendar for the last day to withdraw from a class. 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).

Internal Transfers

Undergraduate matriculated students can transfer to another Undergraduate degree program in the University if they meet the requirements of that college or school.

Students wishing to transfer from one University college or school to another must complete the Internal Transfer Request Form via UIS through <https://signon.stjohns.edu>. Students wishing to transfer from one degree program to another within the same college (change of major) must seek approval from the Dean's Office but do not need to complete the Internal Transfer Request Form.

If a student who applies for an internal transfer decides not to proceed with the transfer, they must officially request to withdraw the application in writing to the Office of the Registrar.

Credit Hour Guidelines

All St. John's University degree and certificate programs are approved by the New York State Education Department (NYSED). Therefore, all courses and degree programs at the University must comply with Section 50.1 (c) of the New York State Commissioner of Education Regulations.

The University's method for awarding credit for courses in degree and certificate programs follow NYSED guidelines, which are based on the U.S. Department of Education's definition of credit hour.

The Dean of each school is responsible for assuring that their school/college establishes, maintains, and follows appropriate procedures and protocols for assigning credit hours. The procedures and protocols must meet these minimum guidelines:

- Each school/college must maintain procedures, written and web-accessible, pertaining to the assignment of credit hours for all courses offered, regardless of the format or modality of instruction. This includes but is not limited to traditional lectures, individual voice or music instruction, online courses, and any other offering that can result in earned credit.
- Each school/college must document that its procedures provide for the assignment of credit hours for each course the School offers based on the following criteria:
 - Stated objectives for student learning, including (but not limited to) acquisition of content knowledge, key competencies, (such as skill in oral or written communication), or analytic reasoning skills;
 - Hours of instruction proposed for the course;
 - Hours of supplementary assignments and student effort that are anticipated to take place outside the classroom. This can include estimated time spent on reading, writing, laboratory or studio assignments, preparation for examinations, etc.

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 with substantiating evidence on why they could not attend. 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.

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 and an F will be calculated in the GPA. 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 credit-bearing course will not earn any credit for it. *Students may not audit a course which they subsequently would be required to complete for their degree.* Auditors are expected to attend class sessions 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 from the student's Dean. 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 submit passing work. Undergraduates approved for the "Pass-Fail" option who complete failing work are assigned the mark **X**. Undergraduates approved for the "Pass-Fail" option who miss their final examinations are assigned the mark of **ABX**.
- Undergraduates not exercising the "Pass-Fail" option who miss their final examinations are assigned the mark of **ABF**. 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) is intended for students who stopped attending so early in the semester that there is insufficient or no basis for assigning a grade. Students who attended class throughout the semester cannot receive a **UW**. Students may not request this mark.
- The mark of **AU** (audit) 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)

Grade Point Average Hours (GPA Hours): GPA hours are credit hours used to calculate student's GPA. Only credits with standard letter grades are included in GPA hours, including F and ABF grades. P, X, ABX, UW, WD, AU grades are not included in GPA hours.

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

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

Total Quality Points are computed by multiplying the quality points of the grade in a 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:

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

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

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

The sum of all quality points earned is divided by the total number of GPA hours.

For example,

53 Quality Points = 3.785 GPA

14 GPA hours

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 are not 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.

Repeat of Failing Grade Policy

This one-time grade replacement policy applies only to undergraduate courses in which the student initially enrolled in, during or after the Fall 2015 semester. It is the student's responsibility to register for a repeat course once they have received the appropriate Dean's office or advisor's permission.

A current undergraduate matriculated student may repeat an undergraduate course at St. John's in which a grade of F was received. While both the failing grade and the repeat grade will appear on the student's transcript, only the most recent grade will be used to compute the cumulative GPA. A discontinued course may not be repeated by substitution of a "comparable" course.

A repeated course:

- Must be taken at St. John's University and in the same grading mode (i.e. conventional letter grade) as the original course. A conventional course with a failing grade cannot be repeated as an independent study course.
- Must be taken within four academic years of the course failure.
- The repeated course must be the same course as the original course taken. Ex. CHE 2640 (Advanced Organic Chemistry II) and HON 2640 or CHE 2640H (Honors Advanced Organic Chemistry II) are not the same course and is not permissible under this policy.

This one-time-repeat grade replacement policy will not allow students who have previously been dismissed from a particular program/major to be reinstated. Grades of all courses, including repeated F grades, will be calculated in the index for honors for graduation.

Exceptions:

- Any final course grade of F that was received because of a University disciplinary action due to academic dishonesty or any other infringement against the University's Academic Honor Pledge will remain on the student's transcript and will be calculated into the cumulative GPA regardless of a subsequent course repeat. In this case, the grade for the repeated course will also be factored into the cumulative GPA.
- Pre-College courses (i.e. College Advantage, courses taken in high school for college credit) are not covered under this policy.

Impact of Policy on Financial Aid

- For Financial Aid Satisfactory Academic Progress (SAP) purposes repeat course credits will be added to the attempted/earned credit totals and both grades will be used in a calculation of

the cumulative GPA.

- For Academic Scholarships, the cumulative GPA measure for renewal purposes will be based on the cumulative GPA with only the most recent grade computed. It is important to note that renewability also requires students to be in good academic standing and meet SAP requirements.

Repeat of Passing Grade Policy

Beginning with the Spring 2020 term, currently enrolled undergraduate matriculated students may repeat previously passed coursework taken as of the Fall 2019 term and forward. When a course is repeated, the grade and credits of the first course no longer count towards degree requirements even if the repeated grade is lower than the initial grade. While both grades will appear on the students' transcript, only the repeated grade will be used to compute the cumulative GPA. Students must be aware that under certain conditions (e.g. application to a graduate program, calculation of graduation honors) the original grade may be re-calculated into the GPA.

Students can repeat a course previously taken only once.

It is the students' responsibility to seek advice and permission from their respective dean regarding to the registration of a repeated course. Students must be aware of their financial aid status and any other unintended consequences that may result from the repeated grade (e.g. loss of financial aid). Students must complete the "Undergraduate Repeat Course Request Form" which must be signed by the dean and filed with the Office of the Registrar. It will be the students' responsibility to register properly for a repeated course with their dean at the time of registration.

Discontinued courses may not be repeated by substitution of a "comparable" course.

A repeated course:

- Must be taken at St. John's University and in the same grading mode (i.e. conventional letter grade; Pass/Fail) as the original course.
- A conventional course cannot be repeated as an independent study course.
- Must be taken within four academic years of the original course.
- Will not be covered by financial aid packages during summer sessions.
- The repeated course must be the same course as the original course taken. Ex. CHE 2640 (Advanced Organic Chemistry II) and HON 2640 or CHE 2640H (Honors Advanced Organic Chemistry II) are not the same course and is not permissible under this policy.

The repeat course policy will not allow students who have previously been dismissed from a particular program/major to be reinstated.

Exceptions:

- Any final course grade of F that was received because of a University disciplinary action due to academic dishonesty or any other infringement against the University's Academic Honor Pledge will remain on the student's transcript and will be calculated into the

cumulative GPA regardless of a subsequent course repeat. In this case, the grade for the repeated course will also be factored into the cumulative GPA

- The University or the individual colleges reserve the right to restrict or prohibit students from repeating one or more courses.
- Pre-College courses (i.e. College Advantage, courses taken in high school for college credit) are not covered under this policy.
- Graduate courses are not covered under this policy.

Financial Aid Implications that Students Should Consider:

- Repeating a course may impact financial aid. Students understand that they are responsible for evaluating impact and financial benefit of repeating course work.
- Federal aid only allows for one repeat of a previously passed course.
- For New York State financial aid eligibility, repeat courses for non-failures cannot be used in determination of fulltime status; therefore you may not be eligible for state aid for a term in which a course is repeated.
- There are lifetime limits and maximum eligibility and aggregate amounts associated with federal programs.
- For Financial Aid Satisfactory Academic Progress (SAP) purposes repeat course credits will be added to the attempted/earned credit totals. For federal aid purposes both grades will be used in the calculation of the cumulative GPA.
- For Academic Scholarships the cumulative GPA measure for renewal purposes will be based on the cumulative GPA with only the most recent grade computed. Renewability also requires students to be in good academic standing and meet SAP requirements.

Academic Leave of Absence Policy

St. John's University recognizes that students may have to interrupt their course of study either for compelling personal reasons or to take advantage of special academic opportunities not available at the University. For these reasons, an undergraduate student in good academic standing may request an academic leave of absence.

A request for an academic leave of absence must be made through the Dean of the student's school. A student may request a leave for one semester or for two consecutive semesters. Under special circumstances, a student may request an extension beyond one year. If granted, the term academic leave of absence will appear on the student's transcript for the approved semester(s).

Students granted an academic leave of absence will not have to re-apply to the University for the semester(s) for which the leave is granted. Should the student not return for the semester immediately following the academic leave of absence, the student will have to re-apply to the University.

Students who desire campus housing on their return from an academic leave of absence are

responsible for notifying the Residence Life Office of their intention with sufficient advance notice.

An undergraduate student granted an academic leave of absence may not receive financial aid through the University for that period unless the Dean who approved the leave, has done so specifically for the purpose of study outside the University, and the student has received approval through a consortium agreement.

No credits earned elsewhere during that period will be eligible for transfer back to St. John's University.

For information on applying for a Health-Related Leave of Absence (HRLA) www.stjohns.edu/section3.

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.

Academic Progress or Promotion:

Credits Completed Class

1-24	First Year	(1Y)
25-55	Sophomore Year	(2Y)
56-90	Junior Year	(3Y)
91+	Senior Year	(4Y)

Academic Progress or Promotion PHARM D students:

Credits Completed Class

1-30	First Year	(1Y)
31-61	Second Year	(2Y)
62-94	Third Year	(3Y)
95-131	Fourth Year	(4Y)
132-162	Fifth Year	(5G)
163+	Sixth Year	(6G)

Recommendation of the Subcommittee on Pharm. D. progression for promotion, promotion on probation, or dismissal for poor scholarship are based on the students' GPA.

Conditions of promotion in the College of Pharmacy and Health Sciences are found in the College's section of this Bulletin.

Graduation Requirements

Students must complete the following semester hour minimums for graduation:

St. John's College of

Liberal Arts and Sciences	Hours
Bachelor of Arts	120
Bachelor of Science	120
Bachelor of Fine Arts	132

The School of Education

Childhood Education	123
Adolescent Education	120
Bachelor of Science in Education	132-145

The Peter J. Tobin College of Business

Bachelor of Science	120-122
Bachelor of Science	120-123

College of Pharmacy and Health Sciences

Doctor of Pharmacy	201
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Biomedical Sciences	121
Clinical Laboratory Sciences	138
Nursing	128
Radiologic Sciences	128
Toxicology	127

The Lesley H. and William L. Collins College of Professional Studies

Bachelor of Arts	120
Bachelor of Science	120
Associate in Arts	60
Associate in Science	60

An overall GPA of 2.0 and a GPA of 2.0 for all courses in the major and minor areas are required by your college.

The University conducts one commencement ceremony 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 have their degrees awarded on the last business day in January and will be eligible to participate in the May exercises.

For graduation with honors, a student must have fulfilled the obligation of conducting themselves in a manner appropriate with the University's function as a Catholic institution of higher education and must have obtained the following GPA:

<i>Summa Cum Laude</i>	3.85
<i>Magna Cum Laude</i>	3.70
<i>Cum Laude</i>	3.50

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

Grades of all courses taken by students, including internal and external transfer students and original grades of all repeated courses will be calculated in the index for honors for graduation.

Students enrolled in a Bachelor's/J.D. program will be considered for honors for September degree conferral since 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.

Application for Diplomas

The University confers degrees three times a year: September, January, and May. 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 via UIS through <https://signon.stjohns.edu>. Please note that your diploma

will not be ordered until you have submitted your diploma application online. Applications must be submitted online no later than two weeks prior to Graduation. Certain holds on a student's account may 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.

Dean's List

To qualify for the notation of Dean's List on a student record, a student must have completed 24 credits within the academic year and achieved a GPA of 3.4, including courses taken under the Pass-Fail option. The University Registrar is responsible for the notation of Dean's List on undergraduate student records for all units of the University at their respective campuses.

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.

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 www.va.gov/

The Office of Student Financial Services certifies the enrollment of veterans and their dependents for educational benefits. Students seeking to obtain more information can contact the Office of Student Financial Services at 718-990-2000.

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 Conduct Process. In all disciplinary situations, the right of students to due process is observed.

Study Abroad Programs

Western Europe Semester

This unique semester takes place in three of Western Europe's great cities. Students have the opportunity to take 12–18 credits in three consecutive five-week modules; one each in Paris, France, Rome, Italy, and Limerick, Ireland. Focused on the University's core curriculum with a unifying theme of "migration" courses include offerings in Languages and Literatures, Philosophy, Theology, and Fine Arts. The program also includes special options for second-year Tobin students in the fall and for second-year Pharmacy students in the spring.

St. John's Semester in Paris

The Semester in Paris 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 international internships. The program also includes coursework for Biology, Chemistry, Fashion Studies and Hospitality Management students.

St. John's Semester in Rome

Study at St. John's campus in the 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 also 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 international internships. Major-specific courses are offered in Education, Psychology, Government, and Politics.

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), Chile (PUC-Chile), Colombia (Universidad de los Andes), Costa Rica (Universidad Veritas), England (the University of Leicester and Leeds Beckett University), Jamaica, Barbados, and Trinidad and Tobago (the University of the West Indies), Japan (Sophia University), Spain (Ramon Llull University), Sweden (Uppsala University), and Switzerland (Eastern Switzerland University of Applied Sciences). Semester and yearlong programs are available. Tuition and fees are paid to St. John's University, and all other costs are paid directly to the host institution.

Short-Term Programs for

Undergraduate Students

Our programs help students re-define their winter intersession, spring and summer breaks. Through faculty-directed, student-focused options, we offer opportunities to engage new cultures as an integrated part of major, core 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, spring or summer break as part of a full-semester class. For example, Tobin's Global Destination Courses (GDCs) would focus on content in one of the business disciplines, such as International Business, Marketing, or Accounting during the spring in New York, then engage in related hands-on learning through site visits to top businesses in countries such as Brazil, England, or Singapore during the semester breaks. Programs vary each year, so please check the OIE website for the latest details: www.stjohns.edu/studyabroad. In recent years, undergraduate programs have studied in locations as diverse as Argentina, China, Cuba, India, Finland, Guatemala, Morocco, 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 Study Abroad 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 at studyabroad.stjohns.edu.
2. Provide an official copy of their transcript from their home institution(s).
3. Provide written approval from their home institution. 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 International Education
Campus Center, Room B18
(Staten Island Campus)
Marillac Hall, Room 210 (Queens Campus)
Tel. 718-990-6105

Division of Academic Support Services

University Honors Program

The University Honors Program offers a challenging academic experience to select students enrolled in St. John's College of Liberal Arts and Sciences, the Collins College of Professional Studies, the School of Education, and the College of Pharmacy and Health Sciences. Honors classes feature innovative teaching and are generally smaller than their non-honors counterparts which enables stronger interaction with the professor and promotes classroom discussion. Though based in the Core Curriculum, the program also offers honors courses across the schools and colleges of the university. The program actively encourages community service, and many faculty members teaching honors courses include Academic Service Learning as a component of the syllabus. In addition, the program enables a high level of student-faculty engagement through presentations, specialized advisement, and support of independent research.

University Honors Program students are among the most involved in campus leadership activities. Each semester, its members have the opportunity to attend many events, programs, and activities, including performances in Manhattan, on-campus lectures, faculty research presentations, targeted workshops and more. The students also have exclusive access to the honors lounge in the library. At the end of the academic year, the University Honors Program awards an Honors Certificate to each student who has completed thirty credits in the program and a special "University Honors Program" notation, (in cursu honorum, "in an honors curriculum") appears on the final transcript and the diploma.

For additional information, contact Dr. Rachel Hollander or Mr. Robert Pennacchio at 718-990-7554 or by email at honors@stjohns.edu.

Representative Honors (HON) Course Offerings*

University Core:

- First Year Seminar
- First Year Writing
- Literature in a Global Context
- Emergence of a Global Society
- Public Speaking
- Philosophy of the Human Person
- Metaphysics
- Perspectives on Christianity
- Scientific Inquiry

Major Classes and Electives:

- Introduction to Mass Communication
- Introduction to the Criminal Justice System
- Creativity and the Arts
- Intensive French I/II
- Ethics
- Introduction to Logic

- Foundations of Education
- Introductory Psychology
- Child Psychology
- Adolescent Psychology
- Fundamentals of Biology I and II + Lab
- General Chemistry I and II + Lab
- Organic Chemistry I and II + Lab
- Argumentation: Inquiry and Advocacy
- Introduction to Buddhism
- Christian Marriage
- Moral Theology of Health Care
- Women and Theology
- Psychology and Religion

** Please note that not all honors courses listed are offered each semester and that additional courses may be added or substituted..*

Graduate Admission Assistance Program (GAAP)

This program provides assistance to students and recent graduates seeking admission to graduate programs and guidance for applications for prestigious scholarship and fellowship competitions. GAAP also oversees the campus nomination process for scholarships and fellowships such as Rhodes, Marshall, Fulbright, Goldwater, Truman, and JK Watson. GAAP sponsors an intensive summer research program that financially supports student research with faculty mentoring. GAAP is a resource for students interested in enhancing their academic profiles for graduate programs.

For information contact gaap@stjohns.edu.

To learn more, visit: <http://www.stjohns.edu/about/administrative-offices/provost/graduate-admissions-assistance-program>.

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 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 136. For information call 718-990-6763.

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, tutoring, career exploration, cultural and social activities, mentoring, and financial aid guidance.

The SSS program may provide grant-in-aid to current SSS Participants who are receiving the Federal Pell Grant award and who demonstrate a financial need. 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 a U.S. citizen or U.S. national, meet federal income eligibility guidelines, have neither parent graduated from a four-year college, have a documented disability, or meet the residency requirements for federal aid. They must also be enrolled or accepted to St. John's University full-time, have completed an SSS application and interview, and demonstrate a need for academic support.

Students who are accepted into the SSS program are encouraged to engage in periodic activities and workshops. The SSS program is located in St. John Hall, Room 133. For information, contact 718-990-1371.

Ronald E. McNair Scholars Program (Queens Campus)

The McNair Scholars Program is a federally funded TRIO Program, sponsored in part by 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.

Upward Bound

As one of eight Federal TRIO Programs under the United States Department of Education, Upward Bound at St. John's University provides fundamental support to participants in their preparation for college entrance. The program provides opportunities for participants to succeed in their pre-college performance and in their higher education pursuits. Upward Bound serves high school students from low-income families, and high school students from families in which neither parent holds a bachelor's degree. The program's objectives are to build a collaborative structure of community support; to develop and

implement an educationally cohesive program of developmental and academic courses; to provide innovative, challenging, and sound supportive services; and to expose the students to a world of alternative ways of living and working. Specifically, the St. John's University's Upward Bound Program provides sixty Long Island City High School students with an array of services including: academic enrichment classes, tutoring, mentoring, college and career preparation workshops, college tours, cultural and educational field trips. Students in the program are eligible to receive these services throughout their high school career. The program is conducted primarily on the Long Island City High School campus which allows students to thrive in a familiar environment while developing essential skills for academic and professional success. Special program activities take place at St. John's University in order to acclimate students with the college experience. The office is located in St. John Hall, room B13. For information call 718-990-2532.

The Global Language and Culture Center

The Global Language and Culture Center, located in St. John Hall 104–106 is one of St. John's University's Academic Support Services acting as a resource center where students, enrolled or not in a language class, can come to practice one of the 10 languages currently offered at the 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 among peers.

At the Center, students enrolled in Phonetics and Language Acquisition classes do the lab practice mandated by the Department of Communications Sciences & Disorders under the supervision of a tutor. 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 also receive individual tutoring to improve their grades, or engage in group activities under the guidance of a native or near-native speaker of the language: grammar, pronunciation, writing workshops, round table conversations in the selected language, or workshops to prepare for an internship abroad. During the academic year, 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.

Writing Across Communities:

Writing Across Communities supports faculty and students who strive to use writing to sustain diverse academic, cultural, civic, and professional communities across and beyond the university. We work on a variety of initiatives including weekly writing groups for faculty and graduate students to support their research and writing; and full-day and extended stay writing retreats which help to foster community and collaboration among faculty. We also offer multi-week writing workshops for graduate students on dissertation writing and a How to Write a Journal Article in 12 Weeks workshop for faculty each spring. In addition, Writing Across Communities hosts nationally recognized experts in the field of Writing Studies, Rhetoric, and Composition for on-campus talks and workshops. We offer a range of professional development workshops focused on the teaching of writing recognizing the rich and diverse language practices of our communities.

University Writing Center

Our mission at the University Writing Center is to help students take charge of their voice, purpose, and process as writers. Face-to-face or online, we support writers across all disciplines, backgrounds, and levels of experience, from first-year to graduate students. Our consultants, themselves St. John's students, offer one-on-one sessions for working on any kind of writing—academic assignments, papers, discussion posts, dissertations, lab reports, applications, creative pieces—to help writers strengthen their critical thinking, written expression, and linguistic style. Rather than focusing on “fixing” writing, we help student writers direct their writing practice and make their own decisions about what they want to communicate and how they want to express it. Students may visit for one session to work on a single assignment or come in continuously for longer-term support. We also provide a quiet space for working on writing independently. We believe that who you are—your languages, gender, race, community, background—is central to the writing you do, and we're here to help students bring that identity to their writing. Find more information and meet our staff at www.stjohns.edu/writingcenter.

Office of Student Financial Services

The Office of Student Financial Services is committed to providing students and their families with the information they need to navigate the financial aid and payment process.

Office Contact Information

Office of Student Financial Services
718-990-2000
studentfinancialserv@stjohns.edu

Office location: Queens Campus, Bent Hall
(Entrance across from Caronesse Arena)

The Office of Student Financial Services is responsible for the administration of all student financial assistance programs at the University.

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). The FAFSA analysis is designed to assess the family's financial strength and determine the student's need for financial assistance. A student's need will be calculated as Cost of Attendance minus Student Aid Index less other financial assistance.

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 housing. 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 housing and food. 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 Student Aid Index 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. A scholarship applicant may file the FAFSA and TAP application if they would like to be considered for need-based aid.

Students filing the FAFSA should be sure to designate St. John's University, Federal School Code #002823.

Students should file the FAFSA form as soon as possible after October 1. The 2024-2025 FAFSA will be available in December 2023 instead of the usual October 1st date.

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.

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.

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 renewed 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 a renewal during the period of time such student is enrolled in the undergraduate portion of the degree program.

Provost Scholarships

are partial scholarships. Academic renewal criteria: a student must maintain a cumulative 3.0 index at the end of each academic year.

Scholastic Excellence Scholarships

are partial scholarships. Academic renewal criteria: a student must maintain a cumulative 3.0 index at the end of each academic year.

St. Vincent DePaul Scholarships

are partial scholarships. Academic renewal criteria: a student must maintain a cumulative 3.0 index at the end of each academic year.

Academic Achievement Awards

are partial scholarships. Academic renewal criteria: a student must maintain a cumulative 3.0 index at the end of each academic year.

Academic Promise Awards

are partial scholarships. Academic renewal criteria: a student must maintain a cumulative 2.75 index at the end of each academic year.

University Transfer Scholarships

are partial scholarships for new transfer students, based on academic records. Transfer students must have earned a minimum of 12 credit hours from an accredited institution. Academic renewal criteria: a student must maintain a cumulative 3.0 index at the end of each academic year.

Transfer Distinction Award

Transfer students that are scheduled to earn an Associate Degree from a community college prior to enrolling at St. John's University are eligible to receive a \$20,000 award. The award will be renewed, as long as the student remains continuously enrolled as a full-time undergraduate student and maintains a 2.0 index at the end of each academic year. 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.

Catholic High School Scholarship

As a Catholic university, we support families who are committed to a Catholic education. This award is automatically awarded to incoming first-year students who will be graduating from a Catholic high school and entering St. John's in the fall. Student must be registered full time each semester and the award will be renewed for up to four years of continuous undergraduate study as long as recipient remains in good academic standing.

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.

Catholic Scholars Program

Catholic scholars take part in a four-year developmental program that translates faith into action. Prospective first-year students apply for this scholarship. 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.

Award will be renewed for up to four years of undergraduate study as long as recipient remains in good academic standing.

Service Scholarships

The University has created service scholarships to honor the brave men and women of the U.S. Armed Forces, United States Police Department, and United States Fire Department, who dedicated their lives to the service of others. Awards offered to first time first-year and transfer students who are dependent children of service members entering the University as of the Fall of 2018. Students are automatically considered for these awards based on their parent's occupation as indicated on the Undergraduate Admission application. The University reserves the right to verify parent's occupation. Awards are renewable for up to four years of continuous undergraduate study: renewability is contingent on student maintaining satisfactory academic progress.

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. Grants are not automatically renewable. Students must continue to meet grant specific eligibility requirements. Grants are only available for fall and spring terms. Grants are not available for summer or winter terms.

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. Three-in-One Family grant discount cannot be applied towards Law School tuition.

Student Success Grants are awarded to students who show academic promise to succeed at St. John's University. Students are automatically reviewed for this grant upon admission. Academic renewal criteria: a student must maintain a cumulative 2.5 index at the end of each academic

year. This grant is renewable for up to four years of continuous fulltime undergraduate study at St. John's.

The University reserves the right to adjust all institutional aid programs including scholarships and grants.

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 \$5,665 a year to full-time dependent undergraduates, and \$500 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 St. John's school code is 0751.

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 2015–16 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, terrorist 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 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 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.

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.

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.

All NYS aid programs are contingent on New York State regulatory/budgetary approval.

Satisfactory Academic Progress Requirements for New York State Aid Recipients

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

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

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

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

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

Second Year of TAP Payment: 75% of a minimum

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

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 their own expense in a given semester. By so doing, students will hopefully make up the deficiency and be eligible to receive their 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 the FAFSA Submission Summary (FSS).

As long as St. John's University is listed on the student's FSS and no corrections have been made to the original information submitted, the student may keep the summary for their 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 aid only applicable towards credits applicable to student's degree.

All Federal aid programs are contingent on Congressional actions and budgetary process.

Federal Pell Grant Program

This is a federal financial aid program providing financial assistance to needy post-secondary school students. The 2023-24 maximum federal Pell award is \$7,395 per year. When a student files FAFSA, their 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. **All credits must be applicable to student's degree.** Funding and eligibility subject to federal legislative changes.

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 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

The Federal Work-Study (FWS) program is a federally funded part time job program for college students that demonstrates need as determined by filling the FAFSA. The program creates employment opportunities both on and off campus for students to earn funds to assist with their educational expenses. Students are responsible for finding qualified employment to earn funds offered. Funds earned are not applied to students account but are paid via a bi-weekly paycheck. The Federal work-study eligibility in your Financial Aid Package does not guarantee you a job. There are a limited number of FWS jobs available. Job openings are posted on the University's Student Employment webpage along with information about the online job application process. The earlier you complete the on-line application process the greater your chances for FWS employment.

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 Direct Student Loan?

Federal Loans are a major form of self-help aid for students. As part of your Financial Aid Package, you may be offered a federal loan. A loan must

be repaid in full, including any interest and fees. Student loans have long repayment periods and generally repayment will not begin until you leave school. Interest rates vary, depending on the type of loan you borrow. The promissory note you sign will contain the exact terms of the loan you are borrowing. Keep your copy for reference. St. John's University in accordance with federal regulation reports all loan borrowing, student enrollment status and changes in enrollment status to the National Student Loan Data System (NSLDS).

How Do I apply for a Federal Direct Student Loan?

Three Simple Steps:

Step 1: Accept: Go to your St. John's University UIS account at www.stjohns.edu/UIS and enter your User ID, and PIN, click on "Login". Select the financial aid tab. Click on My Award Information. Select award by Aid year (current aid year). Accept Award Offer.

Step 2: Complete: Go to studentaid.gov and sign in with your FAFSA ID. Select Entrance Counseling and complete

Step 3: Sign-On: the same website, studentaid.gov select Sign Master Promissory Note and complete.

Important note for both Step 2 and Step 3:

Select "New York" as the School State and "Saint John's University" as the school name. *Your loans will be credited to your account only after the completion of all three steps.

What is the difference between a subsidized and unsubsidized loan?

Subsidized Loan: the federal government pays the interest on the loan until the student enters their grace period; the time they are no longer enrolled on at least a half-time basis. Repayment begins six months after you cease to be enrolled at least half-time (including leave of absence).

Unsubsidized Loan: the federal government does not pay the interest on the loan while a student is in school as it does for the subsidized loan. Interest accrues and must be paid or capitalized during periods of enrollment in school and /or deferment.

How is the Interest Rate of Federal Loans calculated?

The interest rate for all federal student and federal PLUS loans disbursed on or after July 1, will be calculated annually by the federal government based on the 10 year Treasury note index. For more information on rates go to <https://studentaid.gov/understand-aid/types/loans/interest-rates>

Are there any fees associated with these loans?

An origination fee of the total loan is assessed and deducted prior to loan disbursement. Origination fees are determined by the US Department of Education and are subject to change on an annual basis. Loans credited to the student's account will be less than the loan amount borrowed due to these US Department of Education mandatory fees.

Maximum Annual Loan Amount 2023–2024

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

Is there a federal loan processing deadline?

In accordance with federal guidelines St. John's University may not originate a loan for a period in the academic year in which a student is no longer enrolled. Therefore, students enrolled for the academic year who are interested in borrowing a loan must complete the loan process within the academic year. Students who enroll for one semester in an academic year must complete the process within the period of enrollment for the semester.

Loan Proration

Federal regulations requires St. John's to prorate Federal Direct Loans for undergraduate students when the student is enrolled in a program that is one academic year or more in length, but the student is in a remaining period of study that is shorter than the full academic year. This will mostly affect students that will graduate from their program of study at the end of summer or fall semesters.

Loan Proration formula: Number of credit hours enrolled for a semester, divided by the number of credit hours in an academic year (24) multiplied by the annual Federal Direct Loan limit for the student's grade level.

Examples:

$$\left(\frac{12}{24}\right) \times \$500 = 2750$$

$$\left(\frac{15}{24}\right) \times \$500 = 3437.50$$

Subsidized and unsubsidized loans are calculated separately in order to determine the maximum for each loan.

Are there any federal loans available to parents?

The Federal Direct PLUS Loan from the US Department of Education for parents of undergraduate dependent students who meet general eligibility and credit requirements. Your FAFSA must be on file at St. John's. The maximum

amount a parent may borrow for the academic year will be indicated in the student's Financial Aid Package.

How does a parent apply for a Federal Direct PLUS Loan?

Applications for Federal Direct PLUS loans are processed online through the US Department of Education student loan website at studentaid.gov. Once signed in, the borrower must click "Apply For Aid" and then select "Apply for a PLUS Loan" to begin.

PLUS Process consists of four easy steps:

Step 1: Personal Information: Personal information of the parent borrower.

Step 2: Student & Loan Info:

- Select the Award year
- Parent PLUS borrowers must enter the information of the student for whom the loan is for
- Select "NEW YORK" as the school state and "SAINT JOHN'S UNIVERSITY" as the school name
- Enter a requested loan amount

The borrower enters a specific amount to borrow for the school year or may elect to borrow the maximum amount for which they are eligible. The maximum amount the PLUS borrower may request is included in the St. John's Financial Aid Package.

If the borrower later determines that they do not need the entire amount applied for, they may cancel or reduce an un-disbursed loan at any time. A disbursed Federal Direct PLUS loan may be cancelled or reduced within thirty days of the date of disbursement. A St. John's Loan Change Form is available online at stjohns.edu/services/financial. The amount the borrower chooses to apply for will not affect the result of the application. When choosing an amount, the borrower should only borrow what is really needed and remember that loans must be repaid.

Step 3: Review Application

Step 4: Credit Check & Submit: Authorize the review of credit history and submit the application.

When will the borrower be notified of the result of the application and credit check?

The borrower will be notified immediately of the result. If approved, the borrower will be directed to complete a Master Promissory Note (MPN) if a Federal Direct PLUS MPN has not been completed previously.

What are the options for the Parent PLUS borrower denied for a Federal Direct PLUS loan?

- Parent borrowers can opt for additional unsubsidized loan eligibility for the student.
- Parent borrowers can opt to provide documentation of extenuating circumstances and appeal the decision.
- Parent PLUS loan borrower can opt to obtain an endorser with a more favorable credit history to act as a co-signer. The endorser must complete a process, similar to the original application, either online or through the mail. The online process requires that the endorser have a Federal Student Aid ID. The borrower who has been denied will automatically be mailed a paper Endorser Package. Both processes require that the endorser know the Loan Reference ID which will be provided to the denied borrower via email or can be viewed by the denied borrower when signed onto StudentLoans.gov.
- Parent borrower if approved based on extenuating circumstances or who has an endorser will be required to complete a PLUS Counseling session.

How will the student receive the loan funds?

Once an application has been approved and a MPN has been properly completed, the student will be given credit by St. John's for the amount approved for disbursement less all applicable fees. The approved amount will be split equally between the fall and spring semesters. Funds will be disbursed by the federal government to the student's St. John's account at the beginning of each semester according to the disbursement schedule set by St. John's University.

How is the interest rate on federal PLUS loans calculated?

The interest rate for all federal PLUS loans disbursed on or after July 1st will be calculated annually by the federal government based on the 10-year Treasury note index.

What fees, if any, are associated with these loans?

An origination fee is assessed and deducted prior to loan disbursement. Origination fees are determined by the U.S. Department of Education. Since the origination fee is deducted before the federal government disburses the loan to St. John's, the amount credited to the student's account will be less than the loan amount borrowed.

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.

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 hours	60% of scheduled credit hours
91 credit hours and above	70% of scheduled credit hours

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: 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.

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

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

- 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

In the Pharm.D. program starting with the 2016 entering class any grade below a C in a professional course is considered failing and must be repeated.

In the professional year of the Clinical Laboratory Science program, a grade of C+ or better is considered passing, program guidelines allow students to repeat one failed course.

Grade Changes

Students who receive aid on a conditional or probationary basis must resolve all incomplete grades before the Office of Student Financial Services can make a final determination that they meet the satisfactory academic progress guidelines. The student must notify the Office of Student Financial Services once their final grades have been posted.

Repeat or Remedial Courses

If a course is repeated or remedial, credits for each time the student registers will be added to the attempted/earned credits total. Both grades received will be used in the calculation of the cumulative GPA.

Transfer Credits

Transfer Credits accepted for the student's academic degree are counted when measuring the maximum time frame to complete the degree. Also, transfer credits reflected on a student's St. John's academic transcript are counted as both attempted and earned credit hours for SAP purposes.

Double Majors and/or Minors

Students who receive permission from their dean to pursue a double major/minor will be expected to complete all degree requirements before reaching 189 attempted hours.

Change of Major or Change of Degree

Students who change their major within the same degree, or who change their educational objective and begin pursuing a different degree without

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.

having earned the first degree, must still adhere to the 150 percent time frame allowed. All previous course work must be included in each review of academic progress for federal and/or St. John's University financial aid.

Readmit

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.

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 students 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 their status for the following semester.

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

Withdrawal from the University

Students are strongly encouraged to reach out to the Office of Student Financial Services, if considering a withdrawal from courses, to discuss the possible impacts of a withdrawal. A withdrawal from courses could affect a student's eligibility for Title IV Aid as outlined below and in subsequent terms. Students who decide to withdraw from a course should see their academic advisor to complete a Change of Program Form.

Return of Federal Title IV Aid

Students who withdraw from all courses, either officially or unofficially in a semester/term, on or before completing 60% of the semester/term and who have received federal title IV funds in the form of a Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Teacher Education Assistance for College and Higher Education (TEACH) Grant, Federal Direct Loan and/or Federal PLUS loan, in accordance with federal regulation are required to have their eligibility for those funds reviewed. The University is required to apply a federally mandated formula to determine how much of the federal funding was "earned" up to the determined date of the student's withdrawal. This review and calculation is referred to as a "Return of Title IV Aid Calculation."

Federal regulations mandate that federal Title IV funds disbursed in excess of the "earned" amount must be returned to the federal government by the university and/or the student. If a student received a refund from the Office of Student Financial Services, that was to be used for educationally related expenses, the student may be required to return all or a portion of the funds to the University. This portion represents funds that were intended to pay for educationally related expenses through the end of the semester/term. The amount to be returned to the University will be determined by federal formula.

The amount to be returned to the federal government will be calculated based on the date the student officially withdrew from classes or the determined date of an unofficial withdrawal. A student who fails to officially notify the academic advisor of intent to withdraw from classes and fails to earn grades for all classes is considered an unofficial withdrawal. In the case of an unofficial withdrawal, the withdrawal date will be computed as the last date the student was involved in an academically related activity or the 50% point in the term in the event that a last date of academic activity is not available. "Academically related" is defined as academic participation in a course such as submitting an assignment, taking an exam or participating in an online academic-related discussion. Academic activity is not considered to be simply logging into a course or academic counseling or advisement.

Determining Federal Title IV Aid Earned

To determine the amount of federal aid a student earned, the Office of Student Financial Services will first calculate the student's percentage of the semester/term attended. The calculation is based on the number of days the student attended classes divided by the number of days in the semester (excluding breaks of 5 days or more). That percentage is then calculated, together with other required elements including the institutional cost, and total federal funds received or that a student was eligible to receive, to determine the amount of federal aid a student is eligible to retain.

Any "unearned" federal Title IV aid must be returned to the federal government. The University will return the unearned funds and will adjust the student's semester/term bill accordingly. Students will be responsible to repay the University due to an outstanding balance resulting from the return.

Post-Withdrawal Disbursement

A student may be entitled to a Post-Withdrawal disbursement if the student withdrew prior to the disbursement of Title IV funds. The institution will notify the student if they are eligible for a Post-Withdrawal disbursement of loan and/or grant federal funds. A student may opt to accept or decline an offer of a Post-Withdrawal disbursement of grant or loan funds if the student desires to save the funds for enrollment at another institution.

Module Programs

A course that does not span the entire length of a semester is considered a module course. Students who are enrolled in module courses and cease attendance in any course are considered to have withdrawn and may be subject to a Title IV recalculation unless the student notifies the University in writing of their intent to enroll in another module that falls within the same enrollment period. The confirmation of the student's intent to re-enroll must be submitted by the student within two weeks of receiving communication from the Office of Financial Services. If the student does not begin attendance in the later course, then the student will be considered to have withdrawn and a Title IV recalculation will be completed.

Return of Federal Title IV Aid Allocation

Funds that are returned to the federal government are used to reduce the outstanding balances in individual federal program. Federal regulation requires that "unearned" funds be returned in the following order:

1. Federal Unsubsidized Direct Loan
2. Federal Subsidized Direct loan
3. Federal Perkins Loan (Program currently not funded)
4. Federal Direct Parent Loan (PLUS)
5. Federal Direct Grad PLUS
6. Federal Pell grant
7. Federal SEOG

8. Federal TEACH Grant
9. Iraq Afghanistan Service Grant

Important Notes

Withdrawal from courses could also affect your institutional aid eligibility based on the type and amount of funding received and the resulting tuition liability. Be sure to discuss review this information with the office of Financial Services. A withdrawal could also affect your Satisfactory Academic Progress standing impacting future aid eligibility.

Your loans may go into repayment once you withdraw from school. It is important to pay close attention to communications about loan repayment. Be sure to make payments on time in order to avoid the possibility of default that could result in the loss of future federal aid eligibility.

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. Calculations will be done to determine if any of the aid will need to be returned or adjusted. 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 aid. To make sure the student understands the possible impact on their financial aid, they are encouraged to consult with a financial aid counselor prior to withdrawing from courses.

Scholarship Recipients

- Undergraduate St. John's scholarship recipients are required to maintain a minimum cumulative grade point average in order to have their scholarship renewed.
- Law/Graduate academic scholarship terms are monitored by the individual schools. The student must contact their academic dean regarding scholarship terms.

Important Notice: The University reserves the right to adjust the SAP Policy in order to ensure continued compliance with federal regulations. Students will be notified of any changes to the policy and should monitor stjohns.edu/services/financial

Resources for Students

1. **St. John's University** provides a variety of training programs, events, activities and services that enhance and support the efforts of students. stjohns.edu/academics/centers

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2. **Academic Support** provides services that are available to help students achieve academically. stjohns.edu/academics/provost/resources/academic_support_for_your_students.stj
 3. **Campus Ministry**
stjohns.edu/about/vincentian/ministry
 4. **The Center for Counseling and Consultation** is dedicated to helping St. John's students. stjohns.edu/services/studentwellness/services

Student Support Services and Resources

Alumni Relations

The Office of Alumni Relations is dedicated to keeping our more than 195,000 graduates connected to each other and to St. John's University. It strives to continually enhance services and develop new programs to engage St. John's alumni. Realizing that today's students are tomorrow's alumni, it encourages alumni to mentor our current students by offering them opportunities to share their personal expertise and experiences. Graduates and supporters of the University can enjoy a wealth of year-round discounts, services and resources as provided through its wide selection 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.

Office of Alumni Relations:

- Engages alumni through social and career networking functions throughout the year
- Provides leadership opportunities through alumni volunteer committees both locally and nationally
- Supports regional and affinity engagement activities and chapter programs
- Hosts alumni receptions and athletic events both home and away
- Collaborates with Career Services and Admission on alumni programming
- Provides exclusive programming and pricing for GOLD (Graduates of the Last Decade)

For more information about the Office of Alumni Relations, please visit www.stjohns.edu/alumni or contact our office at: 718-990-6232 alumni@stjohns.edu

Follow St. John's Alumni social media pages:

- Facebook @StJohnsAlumni
- Instagram @StJohnsAlumni
- TikTok @StJohnsU
- LinkedIn @St. John's University
- Youtube @StJohnsU
- Flickr @St. John's University Alumni
- Twitter @StJohnsAlumni

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 (11 NCAA Tournament appearances), cross country,

fencing (2001 NCAA National Champions), golf (2023 BIG EAST individual champion), indoor and outdoor track and field (28 NCAA Championship appearances), soccer (three NCAA Tournament appearances), volleyball (two NCAA Tournament berths), tennis and softball (2016 BIG EAST Champions).

The seven men's intercollegiate team offerings consist of baseball (ninth all-time with 35 NCAA Tournament appearances), basketball (29 NCAA Tournament appearances, ninth-most wins in NCAA history), fencing (2001 NCAA National Champions), golf (five NCAA Regional appearances), lacrosse, tennis (six BIG EAST Championships) and soccer (1996 NCAA National Champions, four College Cups, 20 NCAA Tournament berths).

Campus Ministry

At St. John's, your journey is as spiritual as it is intellectual. Our passion for creative teaching and learning guides you as you take your place in this world and become the person you are truly called to be. Campus Ministry supports many Catholic and interfaith initiatives that help promote spiritual engagement and worship, encourage reflection and dedicated service, offer social justice & leadership opportunities and foster a supportive and inclusive community among students, faculty, administrators, staff and the Vincentian family.

We provide spiritual experiences that expand horizons, invite exploration, and challenge assumptions for all people of all faiths. For those who are Catholic, we will help foster involvement in experiences designed to fulfill the Gospel call to justice, as well as invite active participation in celebrations of the Eucharist and other sacraments.

We are a community of faith, service, leadership, justice and friendship.

Student Groups

- Sinai's Radiant Praise Dance Ministry
- St. Vincent de Paul Society

Spirituality

- Bereavement Program – when facing death or loss of a loved/one
- R.C.I.A. – Rite of Christian Initiation of Adults
- Retreats
- Holy Hour and Adoration of the Blessed Sacrament
- Liturgical Ministry
- Miraculous Medal Novena
- Music Ministry
- Interfaith Ministry and Council
- Praying the Rosary
- Sacrament of Reconciliation
- Taize Prayer
- Abundance

Leadership

- Campus Ministry Student Assistants
- Catholic Scholars
- Discernment Group
- Graduate Assistants for Catholic Scholars and Retreats

On the Queens campus, the Daily Mass is celebrated 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.

A special mass for students is held on Sunday evenings at 5:30 p.m. It is the largest weekly gathering of students. The opportunity for reconciliation is also available each day.

Staten Island, Campus Ministry programs mirror the programs of the Queens Campus. Mass is offered in the St. Vincent de Paul Chapel Sunday evenings at 6 p.m. as well as during the week on Monday, Wednesday and Friday at 12:15 p.m. The sacrament of Reconciliation is offered before Mass, by appointment and during special Advent and Lent programs. Holy Hour and Taize prayer are offered several times during each semester. Students are involved in Mass as lector, extraordinary ministers of Holy Communion, altar servers and as music ministers.

For more information on all of our programs, visit stjohns.edu/campusministry.

Division of Student Success

The Division of Student Success 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 Development, Fraternities and Sororities, Wellness Education and Prevention Services, New Student Orientation, Campus Activities, Campus Recreation, Performing Arts, Office of Sexual Violence Outreach, Awareness and Response, Community Development, and Disability Services.

Queens Campus: Senior Student Success 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 Success 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 Spellman Hall, Room 101.

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.

Department of Student Wellness

The Department of Student Wellness is made up of six major areas. Wellness Education and Prevention, Center for Counseling and Consultation, Office of Disabilities Services, Office of Sexual Violence, Outreach, Awareness, and Response, Student Health Services, and Campus Recreation.

Wellness Education and Prevention

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 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, 718-990-8048, 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.

Queens Campus: Marillac Hall
Room 130
Tel: 718-990-6384
Hours: Monday and Thursday:
8:30 a.m.–7 p.m.

Tuesday and Wednesday:
8:30 a.m.–4:30 p.m.
Friday: 8:30 a.m.–3 p.m.

Staten Island Campus: Spellman Hall
Room 101

Tel: 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
Staten Island Campus: Spellman Hall
Room 101
Tel: 718-390-4451

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

The Sexual Violence Outreach, Awareness and Response Office

The SOAR Office works to prevent and reduce the traumatic impact of sexual assault, dating and relationship violence, and stalking at St. John's University. This is done through outreach with community stakeholders, raising awareness among our student population and by supporting victims. The SOAR Office hosts campus wide trainings on Bystander Intervention and Affirmative Consent, and programs to raise awareness of sexual violence. In addition, the office supports student survivors and their healing by providing Campus Support Advisors. Campus Support Advisors offer a confidential place to discuss reporting options, interim remedies and by providing referrals to resources both on and off campus. It's on us, all of us, to be a part of the solution to sexual violence. The SOAR Office can be reached by calling 718-990-6550. The Campus Support Advisor (confidential) may be reached by

calling 718-990-8484.

Student Health Services

The Office of Student Health Services provides treatment for minor illnesses or injuries, information about local health care, information about local health care providers, as well as information regarding health issues, physical examinations, and immunization requirements. Queens Campus: Dasilva Hall First Floor Tel: 718-990-6360 Hours: Monday to Thursday: 8:30 a.m.–4:30 p.m. Friday: 8:30 a.m.–3 p.m.

Campus Recreation

Campus recreation provides opportunities 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.

Taffner Field House

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

Fitness Center

The Fitness Center is located on the east side of Caronesseca Arena. You may enter the Fitness Center from the lower level in Caronesseca Arena. Your personal 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, 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.

Intramurals

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

Club Sports

We currently have the following Club Sports: Bowling, Tennis, Ultimate Frisbee, and Men's Basketball.

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 Caronesseca

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.

Title IX – Reporting and Responding to Sex Discrimination

St. John's University is committed to providing an environment that is free from all forms of discrimination on the basis of sex including, sexual harassment, sexual violence, and sexual misconduct and offers many resources to students to address concerns relating to discrimination on the basis of sex or gender identity. Any student, faculty, administrator, staff member, or applicant for admission who has concerns about sex discrimination is encouraged to seek the assistance of a Title IX Coordinator.

For example, we encourage you to contact a Title IX Coordinator if you:

- Wish to understand your options if you think you may have encountered sex discrimination or sexual misconduct
- Learn of a situation that you feel may warrant a University investigation
- Need help on how to handle a situation by which you are indirectly affected
- Seek guidance on possible methods of de-escalating or alleviating a difficult situation
- Have questions on St. John's policies and procedures

If you would like to contact a Title IX Coordinator, please email titleix@stjohns.edu or call (718) 990-2660 or (718) 990-6568 to contact the Deputy Title IX Coordinator.

If you require assistance regarding sexual assault, please visit Sexual Assault: You Are Not Alone: stjohns.edu/sexualassault.

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 campus. 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.

University Career Services

University Career Services prepares and empowers all students for their career journey, creating connections with employers and alumni, and inspiring lifelong learning and meaningful, professional success. The St. John's team of career professionals and their robust array of resources provide students the opportunity for specialized career advising, career exploration and education, access and preparation for internships and experiential learning, and a pathway to achieving their professional goals.

Career Services offers students a wide range of career-related education and development, which includes, but is not limited to:

Personalized Advisement

A Career Advisor will assist students in developing their career path; including choosing a major, resume writing/cover letters, internship/job search strategies, networking with alumni and employers, and evaluating job offers/salary negotiations. University Career Services offers one-on-one support from a student's first year through graduation and beyond. Students can schedule appointments with their dedicated career advisor through Handshake and can meet either in-person or on-line.

Resources

University Career Services hosts a robust array of digital resources available 24/7 that support students including, but not limited to, mock interviews, resume reviews, access to experiential learning opportunities, connections to programs and events, and career exploration.

Handshake

Handshake is an innovative, intuitive, and mobile platform through St. John's University – University Career Services. Handshake allows current students and alumni access to make appointments with their career advisor; explore job, internship and campus recruiting listings; register for Career Services programs; discover workshops, information sessions, career fairs and other event information; and connect with additional career development and employment resources.

Mentoring

St. John's offers several structured mentoring programs to meet the needs of students throughout their experience at the University. University Career Services facilitates the Aspire Mentor Program, providing upper-level students the opportunity to request an alumni mentor who shares their professional interests. When mentees are matched with their mentors, they begin a year-long program with two or three connections per month. St. John's alumni are generous in sharing their time and insights with current students who are navigating their professional journey.

Employer Engagement

Employers representing various fields visit St. John's University, both in-person and on-line, to meet qualified St. John's candidates to fill their full-time and internship roles. University Career Services facilitates innovative programming and one-on-one meetings between candidates and employers through on-campus and on-site experiences. Students of all years are invited to participate in these meaningful encounters.

Leadership and Professional Development

Career Services will help develop and grow leadership competencies, and other essential skills such as communication, problem solving and decision making, that are vital to the education experience and can lead to greater personal enrichment, academic success and career readiness in the global workforce. St. John's Leadership and

Professional Development programs, the National Society of Leadership & Success, and Omicron Delta Kappa Society all contribute to a student's leadership growth throughout their experience at St. John's.

Connect with us

QUEENS
Chiang Ching Kuo Hall (CCK)
(718) 990-6375
careers@stjohns.edu
Instagram @GetHiredStJohns
Twitter @GetHiredStJohns
Facebook St. John's University Career Services
LinkedIn www.linkedin.com/company/StJohnsCareerServices

STATEN ISLAND
Flynn Hall
(718) 390-4438
jobs@stjohns.edu
Instagram @GetHiredStJSI
Twitter @GetHiredStJSI
Facebook St. John's Staten Island Career Services

Communications Facilities

Courses in the area of Communications and CCPS TV/Film studies are supported by the Television, Film and Radio Center located on the fourth floor of Marillac Hall on the Queens campus.

The Television, Film and Radio 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 professional 1080i HD cameras, a computerized lighting system, a 48-channel audio console with digital effects, dedicated studio green screen, electronic character generator with animated graphics capability, HD video switcher, teleprompter and an announce booth for voice-over recordings. The facility can accommodate the recording of talk shows, interviews, and instructional programs in digital formats. Dedicated state-of-the-art laboratories allow for digital video and audio editing, computer graphics, and animation. Production equipment in the radio booth include a professional audio console, broadcast microphones, USB/SD card recorders, and editing capabilities.

The Center's atmosphere and equipment afford exposure to a broadcast-quality facility that prepares students for entry into the communications industry.

Production equipment in the radio booth includes a professional audio console, broadcast microphones, USB/SD card recorders, and editing capabilities.

Registered and approved students are welcomed and encouraged to use many of these facilities during non-class hours, from 8 a.m. through 10 p.m., on most class days. Student-run co-curricular organizations, WRED-TV, WSJU Radio, and The Society of Film and Visual Arts (SFVA), are available to all students.

Dining Facilities

St. John's Dining offers a variety of options to meet your hectic schedule. With new facilities and exciting culinary innovations at each location, we offer you the ultimate dining experience. For more information regarding dining on campus, including all of our venues, hours, events, and more, please visit dineoncampus.com/stjohns, call our office at 718-990-1536, or download the Dine On Campus App from the App Store or Google Play Store.

Queens Campus

Montgoris Dining Hall

All-you-care-to-eat dining is open 7 days per week when classes are in session with late night hours. Open to all students, staff, and faculty. Montgoris serves a large breakfast menu, made to order Mongolian grill, a variety of international entrees, pizza and pasta, burgers and grilled items, an omelet bar, make your own salad bar, deli, sandwich and wrap selections, fruit and yogurt parfait bar, a variety of vegan and vegetarian options, an allergen-friendly zone, and full-fledged dessert concept.

Market Montgoris 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, Freshens Fresh Food Studio, 2mato Pizza and Pasta, Pom & Honey, and Revolution Noodle with sushi.

Market Marillac (adjacent to Marillac Food Court)

Offers an assortment of fresh hot and cold packaged meals including sushi, snacks, fresh soups, coffee and bottled beverages, and more.

Dunkin' Donuts (Marillac Terrace)

Full-service store with all that Dunkin' Donuts is famous for including donuts, muffins, coffee, bagels, flatbread sandwiches for breakfast and lunch, Coolatta's frozen drinks in assorted flavors, iced latte, espresso and hot cappuccino.

D'Angelo Center Food Court (Level 1)

Features Taco Bell and Farmers Fridge on the first floor of DAC. Our Taco Bell outlet includes favorites from the Taco Bell menu. Farmers Fridge is a fresh vended salad concept that is new to the campus this semester.

Einstein Bagels & Caribou Coffee at the Library

Fresh baked bagels, fresh brewed coffee, breakfast & lunch sandwiches, grab & go, and more.

Starbucks (D'Angelo Center Level 3)

This full-service Starbucks offers all that Starbucks is known for including specialty coffees, sandwiches, salads, muffins, desserts, prepackaged goods and made-to-order beverages.

Law School Café

The Law School Café has a made-to-order Deli, Chef's Table, Red Storm Burger Company, Bok Choy, Build Pizza, Hale and Hearty Soups, Grab & Go, Salad Bar and Kosher & Halal options.

Sidebar (adjacent to the Law School Café)

Starbucks We-Proudly-Serve featuring coffees, sandwiches, salads, muffins, desserts, prepackaged goods and made-to-order beverages.

Check the St. John's Dining website (www.dineoncampus.com/stjohns) for the most up to date information, complete menus for all venues, promotions, hours of operation, and more. Don't forget to download the Dine On Campus App from the App Store or Google Play Store.

International Student and Scholar Services

The International Student and Scholar Services Office, located on the Queens campus in Marillac Hall, Room 210, 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 American culture; counseling for financial, adjustment, personal, legal and other matters; advisement concerning non-immigrant status, employment, taxes, medical insurance, Social Security, campus and community services; coordinating programs (social, travel, cultural, family visitation); documentation for foreign exchange, 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. The access allowed by your StormCard is for your personal use only.

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

If you lose your StormCard, please report it via UIS immediately; and then proceed to the Public Safety office upon your return to campus to obtain your replacement card. If stolen, provide your police report and contact numbers, and a new card in these instances is issued for free. 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 Staten Island and Queens, you may receive a replacement StormCard 24 hours a day.

On the Manhattan campus; 24 hour carding is not available at this time.

For the replacement of a lost StormCard, there is an escalating fee which starts at \$25 initially and graduates to a maximum of \$35 for each occurrence thereafter.

The Global Language and Culture Center

The Global Language and Culture Center, located in St John Hall 104-106 is one of St. John's University's Academic Support Services acting as a resource center where students, enrolled or not in a language class, can come to practice one of the 12 languages currently offered at the 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 among peers.

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 also receive individual tutoring to improve their grades, or engage in group activities under the guidance of a native or near-native speaker of the language: grammar, pronunciation, writing workshops, round table conversations in the selected language, or workshops to prepare for an internship abroad. During the academic year 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.

Student Computing Facilities

St. John's University is committed to preparing its students with the technological skills necessary to meet the 21st-century marketplace's challenges. Under the leadership of the Information Technology Division, the University is prepared 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 several computer laboratories, over 250 technology-equipped classrooms, specialized labs, hands-on computer classrooms, and Library patron computers. For more information please click link below.

www.stjohns.edu/IT

Speech and Hearing Center

The Speech and Hearing Center, under the direction of Anne-Marie Maher, MA, CCC-SLP, 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 served ranges from infants to adults. The Center's staff consists of ASHA certified and New York State licensed professionals who work with graduate clinicians to assess each client's communication impairment and design an appropriate therapy program to address the needs of the client. 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 graduate students enrolled in the Speech-Language Pathology and Audiology Program. Therapy is provided by graduate clinicians under the direct supervision of licensed and highly experienced Speech-language Pathologists. 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.

The Center provides comprehensive evaluation services and treatment for impairments in articulation, fluency, voice, expressive and receptive language, motor-speech skills and language-based-learning disabilities. In addition, highly experienced Speech-Language Pathologists provide intervention for adults with aphasia, accent modification services, aural rehabilitation services, social skills groups, aphasia groups and cognitive-language stimulation groups. The Speech and Hearing Center also provides community based services such as: speech-language screenings, hearing screenings, as well as intervention in nursing homes, schools, churches and community centers.

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 dispensing with follow-up orientation and monitoring; early childhood testing; and otoacoustic emission testing. The Center provides free screenings on and off-site as well as free hearing-aid help on designated days. Complete evaluations and treatment services are offered for nominal fees. Call for information: 718-990-6480.

University Libraries

The St. John's University Libraries engage in the teaching and learning process by providing information resources, instructional services, research assistance and other information services. The University Libraries are comprised of a Main Library on the Queens campus with additional collections on the Staten Island and Rome Campuses. St. John's University School of Law separately maintains the Rittenberg Law Library on the Queens Campus. The Davis Library on the Manhattan Campus houses one of the finest collections of contemporary and historical insurance materials in the country.

The University Libraries provide onsite access to physical resources and to study space. The Libraries' growing digital collection of resources and services are available to all authenticated members of the University community, in support of our global campuses and online learning programs. Cooperative arrangements with other libraries provide regional, national and international access to materials.

The Main Library on the Queens Campus is a selective depository for United States government documents, and houses Special Collections and the University Archives. The Main Library also oversees the Chin Ying Asian Library located in Sun Yat-Sen Hall. The Loretto Memorial Library is a focal point of the Staten Island Campus.

Research guidance and a variety of instructional programs provide a strong foundation for all undergraduate and graduate students in support of lifelong learning.

The Center for Student Success

The Center for Student Success (CSS) is a one-stop hub that provides comprehensive support and resources for all first-year students. Our purpose is to foster a safe and supportive community of belonging which provides an opportunity for students to be seen, heard and succeed on their unique path into their personal and professional lives.

Each student is assigned a professional advisor to provide personalized academic planning and advisement, including course registration with a focus on proactive communication that encourages connection and partnership between students, their academic advisor, and the Center. Advisors will also focus on being successful during the transition from high school to college.

Our services also include *Career Advisement*, for first-year students from all majors and those still exploring a future major, *Case Management*, to assist students who may be experiencing crises, life stressors, and other barriers or obstacles to success, First-Year Programs, including mentoring, community-building and co-curricular opportunities for student learning and engagement and Academic Achievement, to provide subject-based peer tutoring, academic success workshops and self-paced learning modules.

The Center for Student Success (CSS) takes pride in "going the extra mile" for the newest members of our University community. For any additional information, please contact us at 718-990-5858 or email studentsuccess@stjohns.edu. You may also visit our website at www.stjohns.edu/css.

The University Core Curriculum

As a Catholic, Vincentian, Metropolitan, and Global university, St. John's offers a core curriculum that embodies a Catholic and Vincentian identity, affirms the values of the liberal arts and sciences, and develops an engaged citizenry to serve their communities. Based in our Catholic and Vincentian traditions, the core provides a unique foundation emphasizing the dignity of the human person and the diversity of human communities, the objectivity of moral values, and ongoing critical self-reflection on the relationship between faith and reason. It encourages students to ask the central Vincentian question: "What must be done?"—a question that continuously guides us as a community.

The 39-Credit University Core Curriculum provides a unified educational experience among all undergraduate students. It is driven by a multi-perspective examination of the liberal arts and sciences, focusing on enduring philosophical and theological questions about the nature of reality and knowledge, what it means to be a good human person, the requirements of justice, and how we are defined by our relationship to God. Courses in theology, philosophy, history, literature, the social, physical, and natural sciences provide students with critical bodies of knowledge about the richness and complexity, of global histories and cultures. Courses in oral and written communication provide students with the habits of mind and communicative practices to engage their community in discourse. Taken together, these courses allow students to develop respect and openness as they work for social justice, build a better world, and provide entry into humanity's ongoing search for shared, universal values, as expressed in the University's core values of truth, love, respect, opportunity, excellence, and service.

The University Core Curriculum prepares students to become active learners and participants in society, to value all forms of diversity, to engage in informed debate, and to develop as ethical and mindful individuals and citizens of local, national, and global communities. To achieve these ends, the learning goals for the Core Curriculum are:

Mission and Values: To foster a community committed to higher education, free inquiry, service, and social justice, students will examine enduring questions of the human condition from which Catholic, Vincentian, Metropolitan, and Global traditions of the University emerged.

Personal and Civic Responsibility: In keeping with the mission and values of the University, students will be encouraged to exercise ethical reasoning and a commitment to Vincentian social action, applying principles of equity, civic engagement, and responsibility to benefit communities both locally and globally.

Communication Practices: To engage their communities in discourse, students will become more proficient in effective oral and written communication practices, expressing original and creative ideas to a wide range of intercultural audiences and through a variety of rhetorical contexts.

Global and Intercultural Appreciation: To develop an appreciation and respect for the unique lived experiences of diverse cultural groups, students will demonstrate an understanding of global interdependencies to address enduring issues through different cultural, economic, and religious perspectives in a collaborative and equitable manner.

Applications of Intellectual Curiosity: Drawing from their innate intellectual curiosity, students will engage in interdisciplinary study to enhance their skills in critical thinking, information literacy, technological competency, and problem solving to evaluate how to synthesize information, acquire credible knowledge, apply it creatively across multiple fields, and interpret the world in new ways.

In our commitment to educate the whole person, the University Core Curriculum will challenge and encourage students to think, write, and speak deeply about pressing contemporary issues.

University Core Curriculum:

FYS 1000: First Year Seminar	3
FYW 1000: First Year Writing	3
SPE 1000: Core Public Speaking	3
ENG 1100: Literature in a Global Context	3
HIS 1000: History: Emergence of a Global Society	3
PHI 1000: Philosophy of the Human Person	3
PHI 3000: Metaphysics	3
Theology 1000: Perspectives on Christianity: A Catholic Approach	3
Theology 2000-Level Sacred Texts and Traditions***	3
Ethics Courses Philosophy or Theology***	3
Mathematical, Logical, Quantitative and Computational Reasoning***	3
Science/ Quantitative Analysis***	3
Social Justice ***	3
	39 Credits

*** Students in these subject areas may select from an array of courses. See below.

Description of Courses

FYS 1000: First Year Seminar (3 credits)
Students in the First Year Seminar learn critical thinking, information literacy, and communication skills by studying New York City through a variety of academic disciplines. The course addresses themes such as immigration, race and ethnicity, social and cultural diversity, wealth and poverty, and environmental sustainability. As an integral part of the course, students participate in field-

based learning experiences that relate to the academic focus of their class. Academic Service Learning provides a framework for engagement with the St. John's Vincentian Mission with its dedication to the ideals of service and social justice.

FYW 1000: First Year Writing (3 credits)
First-Year Writing students explore a range of compositional and rhetorical strategies, experiment with their own developing styles, and research ideas and topics that are relevant to their lives, chosen disciplines, and future careers. In this course, students develop an awareness of writing as a powerful medium for intellectual, social, and professional growth. They grapple with complex concepts, express original ideas, and communicate with diverse audiences and participate in the robust culture of undergraduate writing at St. John's.

SPE 1000: Core Public Speaking (3 credits)
Students engage in an introduction to the theory and practice of public speaking in a variety of communication contexts. Students will learn and practice the principles of public speaking, including topic selection, audience adaptation, invention and arrangement of arguments, and the incorporation of the appropriate style to the message. Additionally, students will learn techniques in actively listening and message evaluation.

ENG 1100: Literature in a Global Context (3 credits)
Students in Literature in a Global Context engage in the study of cultural artifacts, including literary texts, film, oral literature, and performance, both as ends in themselves and as bridges to other ways of knowing and being in the world. The course examines artifacts across a variety of time periods, aesthetic traditions, regions, and genres, and analyzes diverse language practices and literacies in relation to past and contemporary cultures.

HIS 1000: History: Emergence of a Global Society (3 credits)
In our increasingly globalized society, it is essential to student success to understand our current and past world from global and diverse perspectives. The course provides a historical and contemporary approach to comprehending changing structures and processes of power and their social, economic, political, and cultural contexts and consequences. This includes an appreciation of the factors influencing the historical movements of people, ideas, and things as well as the roles of change over time and contingency in the emergence of a global society. Students will also build key intellectual abilities such as thinking critically, developing information literacy and evaluating evidence, and creating effective and clear reasoned arguments both orally and in writing.

PHI 1000: Philosophy of the Human Person (3 credits)
Philosophy of the Human Person begins with an introduction to philosophy as a discipline with special emphasis on logic, argumentation, critical thinking, and common forms of fallacious

reasoning. Central to the course is philosophical investigation of human nature, with particular emphasis on the concepts of rationality, freedom, and personal immortality. The course addresses one of the chief goals of the Core Curriculum, an appreciation of the dignity of the human person.

PHI 3000: Metaphysics (3 credits)

Metaphysics is an investigation of the most basic philosophical issues, including the nature of thought and reality, the possibility and limitations of knowledge as well as the existence of God. In particular, the differences from and similarities to theological, scientific, and literary modes of comprehension and the limitations of scientism and relativism will be addressed. This course is central to the Core Curriculum's goal of examining the "objectivity of moral values, and ongoing critical self-reflection on the relationship between faith and reason." Prerequisite PHI 1000.

Theology 1000: Perspectives on Christianity: A Catholic Approach (3 credits)

An introduction to Christianity highlighting scripture, creedal statements, rites, theological writings, artistic expressions, and other discourses manifesting and expressing the Christian faith in its various traditions throughout its two-thousand-year development.

Theology 2000-Level Sacred Texts and Traditions Courses (3 credits)

The second theology course, selected from a group of offerings called Sacred Texts and Traditions, builds on the foundation of historical analysis and critical exegesis of theological developments and faith expressions in the first theology course. All sections of the second theology course draw on disciplines such as history and literary analysis. Students will demonstrate an ability to critically interpret religious traditions and texts as both historically embedded and always-evolving responses to the experience of the transcendent in human life. Prerequisite: THE 1000.

Students will select one course from the approved list below based on your college. See your advisor for questions.

Students from The School of Education are required to enroll in Spirituality of the Educator (THE 2410).

Systematic/Constructive Theology: THE 2200 or THE 1030; THE 2205; THE 2210; THE 2340; THE 2245

Biblical Studies: THE 2110, THE 2120

Religious Studies: THE 2820; THE 2830 or THE 1056; THE 2840 or THE 1060; THE 2850; THE 2255; THE 2920; THE 1050 and THE 1070 are available for students in CCPS.

Historical Theology: THE 2501, THE 2502, THE 2800; THE 1071 is available for students in CCPS.

Spirituality Studies: THE 2400; THE 2410 (required for students enrolled in School of Education)

Ethics Courses (3 credits)

Students will study ethics regarding the implications and consequences of individual and

communal moral decisions from a theological or philosophical perspective. Students will address the nature of ethical values, principles, rights, responsibilities, virtues, and laws from different perspectives. Further, students will learn to construct and evaluate ethical arguments and judgments.

For students in St. John's College of Liberal Arts and Sciences, The School of Education, or Collins College of Professional Studies:

PHI 2200 or PHI 1020; THE 3010; THE 3020; THE 3300 or THE 1042; THE 3305; THE 3310; THE 3330; THE 3350; THE 3360; CCPS Only: THE 1040, PHI 1024

For students in The Peter J. Tobin College of Business:

PHI 2220 or PHI 1022; THE 3305

For Students in College of Pharmacy and Health Sciences:

PHI 2240, THE 3300 or THE 1042

Mathematical, Logical, Quantitative, And Computational Reasoning (3 credits)

Throughout the history of the sciences and humanities, logic and mathematics have served as tools for the acquisition of knowledge and the pursuit of wisdom. Analytical reasoning, using quantitative, computational methodology, has proved crucial in advancing scholarly research, free inquiry, and the enthusiastic quest for truth. These core courses will enhance students' critical thinking skills, foster understanding of how information is processed and analyzed, and provide a concrete experience in rigorous, abstract thinking.

Students will choose from an array of approved courses in these areas; major sequence courses for business, math-intensive, and STEM majors will count. Choices include: MTH 1000, MTH 1100, PHI 3400, PSY 2030 + PSY 2030L, SPM 4553

For students in The Peter J. Tobin College of Business: BUA 1333

Science / Quantitative Analysis (3 credits)

Scientific Inquiry introduces students to the way scientists think about and view the world. To understand the empirical 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. Science impacts the world around us, and students will analyze societal issues that deal with science in terms of values, ethics, and responsibilities. Finally, students will learn to understand, communicate, and discuss topics related to science through effective discussions, activities, as well as written and oral discourse.

SCI 1000 or courses in data analysis or science-related disciplines. Major sequence courses for STEM majors will count.

Social Justice (3 credits)

St. John's University identifies social justice as a fundamental priority based on the Judeo-Christian scriptures, the corpus of Catholic Social Teaching and the tradition of St. Vincent de Paul. Social justice courses affirm the inherent dignity of the

human person and the diverse communities that work together in pursuit of the common good. These courses will promote critical thinking, understanding, and analysis of the structures, histories and legacies of inequality and injustice that impede the promotion and development of a more just and more equitable society. (Prerequisites vary depending on the specific course students take.)

Students will choose from an array of approved courses that engage in critical analysis of topics such as power, inequality, intersectionality, marginality, difference, and identity. Choices include ANT 1000, CRES 1000, CMC 1010, CMC 1155, ECO 1320, ENG 1077, ENG 2100, ENG 3570, HIS 1505, HIS 2313, HIS 3375, HIS 3160, HIS 3711, HIS 3712, ITS 3904, LES 1112, PHI 3740, SPA 3917, SPM 1552, SOC 1170, THE 3240

Teresa Delgado, B.A., M.A., M.Phil., Ph.D.;
Dean, Professor of Theology and Religious Studies

Srividhya Swaminathan, B.A., M.A., Ph.D.;
Associate Dean, Professor of English

Marilyn Dono-Koulouris, B.S., M.B.A., Ed.D.;
Associate Dean, Staten Island Campus,
Associate Professor of Institute of Core Studies

Eileen Larson O'Connor, B.S., M.S.Ed., Ed.D., C.P.A.;
Associate Dean for Fiscal and Administrative Affairs

Joyce Lawlor, B.A., M.L.S.;
Associate Dean for Information and Records

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

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

Kandy Y. Rich, B.A., M.A., Ed.D.;
Assistant Dean

Christine A. Yang, B.A., M.A.;
Assistant Dean

St. John's College has two office locations.

On the Queens Campus, the Dean's Office is located in St. John Hall, Room 145, 718-990-6271. On the Staten Island Campus, the Dean's 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 may give special attention to the student's academic progress and adjustment to college; they may offer direction to the student regarding specific major, minor, core curriculum and/or degree requirements, appropriate use of electives and career goals/opportunities.

Freshmen report to the Center for Student Success for advisement. Undecided sophomores should consult the Dean's Office and 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, and Bachelor of Fine Arts.

Degrees, Majors, Minors Available

Bachelor of Arts (B.A.)

Anthropology
Art History
Asian Studies
Communication Studies
Critical Race and Ethnic Studies
Economics
English
Environmental Sustainability and Decision-Making
French
Global Development and Sustainability
Government and Politics
History
Italian
Mathematics
Philosophy
Psychology
Public Administration and Public Service
Sociology
Spanish
Speech-Language Pathology and Audiology
Theology

Bachelor of Science (B.S.)

Biochemistry
Biology
Chemistry
Computing and Machine Learning
Environmental Science
Financial Mathematics
Mathematical Physics
Mathematics
Physical Science
Physics

Bachelor of Fine Arts (B.F.A.)

Fine Arts
Graphic Design
Illustration
Photography

Minors

Africana Studies
American Studies
Ancient Studies
Anthropology
Applied Mathematics
Arabic
Art
Art History
Asian Studies
Biology
Business
Business and Organization Communication
Catholic Studies
Chemistry
Classics
Communication
Computer Science
Computing

Critical Race and Ethnic Studies
Data Science
Economics
English
Environmental Studies
Francophone Studies
French
Global Development and Sustainability
Global Studies
Government and Politics
Graphic Design
History
Interfaith Studies
International Business (Concentration only
for French, Italian, and Spanish majors)
Italian
Italian Studies
Law and Government
Linguistics
Machine Learning
Mathematics
Music
Philosophy
Philosophy of Law
Philosophy of Science
Photography
Physics
Psychology
Public Administration and Public Service
Religious Communication
Rhetoric and Public Address
Social Justice Theory
Social Work
Sociology
Spanish
Speech-Language Pathology and Audiology
Theology and Religious Studies
Urban Studies
Women's, Gender, and Sexuality Studies
Writing

Specific Entrance Requirements

15 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 a 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.

Transfers

External

The general University policy for students requesting transfer from other colleges or universities is stipulated in the Admissions 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 of Liberal Arts and Sciences. Only courses with grades of C or better will be considered for transfer. See the Graduation Requirements section of this bulletin to see how transfer credits impact graduation honors eligibility. Transfer students must contact Transfer Student Services at 718-990-3372 to schedule an interview to plan their academic program.

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 60 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.

Credits 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 Commission on Higher Education) 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.

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/International Baccalaureate

St. John's College awards transfer credits to those entering freshmen who earn a requisite score on the Advanced Placement tests. Credits will be awarded at the discretion of the Dean's Office.

With respect to 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 (HL) courses with a grade of 5 or higher. No credit will be awarded for standard level (SL) exams.
2. The College will evaluate IB higher level courses on a course-by-course basis.
3. Students must submit official transcripts of exam results.

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. Please refer to the Office of the Registrar section of this bulletin for more information.

To remain in good academic standing, a student must maintain a minimum grade point average of 2.0 both cumulatively and in their major area. A student who fails to meet these standards is placed on academic probation and limited to a program of 15 credits (five 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 on 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 without affecting their grade point average.

The 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 and/or term (e.g., Pre-session, Summer Session I, Summer Session II, and Post-Session are considered one combined term) with the total during the three years, 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). The Pass-Fail Option may not be used toward major/minor courses taken as free electives either. 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 submitted on-line through UIS on SignOn. 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 Assessments and 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 with the exception of the final exam or assignment because of circumstances that are typically beyond the control of the student. Any student receiving an ABF must submit a written explanation, along with substantiating evidence, to their professor immediately. If a student's missed final assignment cannot be made up in exactly the same manner as when administered in class, the instructor may

substitute another activity or assignment in order to assess the missed final work. 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 may be open to qualified undergraduate students with the approval of the Dean's Office. Students who have already been accepted as degree candidates in the B.A./M.A., B.S./M.S., B.A./M.B.A., or B.S./M.B.A. programs must register with the approval of their department's graduate director and the Dean's Office.

Taking Courses at Other Institutions

With permission of the Dean, students may be allowed to take courses at other accredited institutions during the Summer or Winter sessions. Matriculated students in St. John's College are not allowed to take courses at other institutions during the Fall and Spring semesters.

Students must submit a request including the course title and description, the institution, and the proposed time frame via the Outside Institution Course Request form through UIS on SignOn.

Students must have a minimum 2.0 and should inquire in the Dean's Office before they make their request.

Note: Grades from courses taken at other accredited institutions will not count towards a student's St. John's University grade-point average, only the credits will transfer. However, the grades will be taken into account when calculating honors for graduation. See the Graduation Requirements section of this bulletin to see how transfer credits impact graduation honors eligibility.

Other Academic Policies

Students must complete at least one major sequence and no more than 12 credits in additional major courses. Students should consult the Dean's Office regarding second majors and/or minors. Credits in a major beyond the 12-credit limit may not be credited toward the degree. All major and minor changes must be approved by the Dean's Office.

To be awarded a St. John's College major, at least 50% of the coursework must be completed by way of St. John's College courses. Previously completed courses may be applied but may not make up more than 50% of the total credit. Students must maintain a minimum GPA of 2.0 in their major to be eligible for graduation.

For all St. John's College students, a maximum of 18 credits of professional courses (education, business, pharmacy, etc.) may be applied to the degree. Professional elective credits beyond the 18-credit limit may not be credited toward the degree.

Minors are not required for graduation but are chosen by students who wish to focus their core requirements and general electives in particular directions. Only one 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. To be awarded a St. John's College minor, at least 50% of the coursework must be completed by way of St. John's College courses. Previously completed courses may be applied but may not make up more than 50% of the total credits. The successful completion of a minor (with a minimum index of 2.0) will be noted on students' transcripts.

Honor Societies

Skull and Circle Honor Society

The Skull and Circle Honor Society 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 Dean's Office.

Major Specific Honor Societies

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

Lambda Pi Eta: Speech Communication Arts and Public Address

Gamma Kappa Alpha: Italian

Lambda Alpha Sigma: Anthropology

Omicron Delta Epsilon: Economics

Phi Sigma Tau: Philosophy

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

Dean's List

Students achieving a cumulative GPA of 3.4 or higher for an academic year will be named on the Dean's List. A notation of this honor will be placed on the student's transcript.

Key Awards

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 in

consultation with the Dean's Office 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.

Special Awards

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

The Dr. Gerald E. Fitzgerald Award may be presented to outstanding seniors from the government and politics major and public administration and public service major.

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

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

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

Special Programs

Pathway Programs

B.A./M.A. in Asian Studies

B.S./M.S. in Biology

B.S./M.S. in Biology/Computational Biology and Biostatistics

B.S./M.S. in Chemistry

B.S./M.A. in Computing and Machine Learning/
Applied Mathematics, Computing, and Machine Learning

B.A./M.A. in English

B.A./M.S. in French/Library and Information Science

B.A./M.A. in Government and Politics

B.A./M.A. in History

B.A./M.S. in Italian/Library and Information Science

B.A./M.A. in Mathematics/Applied Mathematics, Computing, and Machine Learning

B.S./M.A. in Mathematics/Applied Mathematics, Computing, and Machine Learning

B.A./M.A. in Psychology

B.A./M.A. in Psychology/Criminology and Justice

B.A./M.S. in Psychology/Neuroscience

B.A./M.A. in Sociology

B.A./M.A. in Sociology/Criminology and Justice

B.A./M.A. in Spanish

B.A./M.S. in Library and Information Science

B.A./M.A. in Theology

B.F.A./M.A. in Fine Arts/Museum Administration

These integrated programs permit qualified students to earn a bachelor's degree and master's degree in five years instead of the usual five-and-a-half or six years required to obtain the two degrees provided students take the undergraduate and graduate courses as advised by their department and the Dean's Office.

Each program is designed to allow students to complete their undergraduate degree requirements in four years. This ensures receipt of the bachelor's degree if the student decides not to continue for the fifth graduate year. Should the student decide not to continue with the pathway program after the fourth year, he/she can reapply to a master's program at a later date. Note that, graduate courses taken as part of a student's undergraduate degree may not apply to a graduate degree program at St. John's University if the student opts out of the pathway program.

To be considered for a pathway program, applicants must have completed their sophomore year with at least a 3.0 overall index and a 3.0 index in 12 credits applicable to the major. Students should consult the Dean's Office for additional qualification/application information.

Collaborative Programs

B.A./J.D. 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 an undergraduate degree from St. John's College and a Juris Doctorate degree from St. John's School of Law. Students must indicate their interest on their admission application by the December 1 deadline.

B.S./D.O.

This highly competitive accelerated program permits qualified students to earn a Bachelor of Science in Biology from St. John's University and a Doctor of Osteopathic Medicine from the New York Institute of Technology College of Osteopathic Medicine in seven years. This program is open to incoming freshmen with superior academic credentials. Students must indicate their interest on their admission application by the December 1 deadline.

B.S./D.P.M.

This highly competitive accelerated program permits qualified students to earn a Bachelor of Science in Biology from St. John's University and a Doctor of Podiatric Medicine from New York College of Podiatric Medicine in seven years. This program is open to incoming freshmen with superior academic credentials. Students must indicate their interest on their admission application by the December 1 deadline.

B.S./O.D.

This highly competitive accelerated program permits qualified students to earn both a Bachelor of Science in Biology from St. John's University and a Doctor of Optometry from SUNY College of Optometry in seven years. This program is open to incoming freshmen and rising sophomores with superior academic credentials. Students must indicate their interest on their admission application by the December 1 deadline.

B.A./M.B.A., B.S./M.B.A., and B.A./M.S.

B.A./M.B.A. in Anthropology/Business Administration

B.A./M.B.A. in Asian Studies/Business Administration

B.A./M.S. in Asian Studies/Accounting

B.A./M.B.A. in English/Business Administration

B.A./M.B.A. in French/Business Administration

B.A./M.B.A. in History/Business Administration

B.A./M.B.A. in Italian/Business Administration

B.S./M.B.A. in Mathematical Physics/Business Administration

B.A./M.B.A. in Mathematics/Business Administration

B.S./M.B.A. in Mathematics/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 Spanish/Business Administration

These programs permit highly qualified students to complete a bachelor's degree from St. John's College and a master's degree from Tobin College of Business in five years. Students should consult the St. John's College Dean's Office for additional qualification/application information.

B.A./M.S.Ed. and B.S./M.S.Ed.

B.S./M.S.Ed. in Biology/Adolescent Education

B.S./M.S.Ed. in Biology/Childhood Education

B.S./M.S.Ed. in Chemistry/Adolescent Education

B.S./M.S.Ed. in Chemistry/Childhood Education

B.S./M.S.Ed. in Environmental Science/Childhood Education

B.A./M.S.Ed. in Mathematics/Adolescent Education

B.A./M.S.Ed. in Mathematics/Childhood Education

B.S./M.S.Ed. in Physics/Adolescent Education

B.S./M.S.Ed. in Physics/Childhood Education

These programs permit highly qualified students to complete a bachelor's degree from St. John's College and a master's degree from the School of Education in five years. Students should consult the St. John's College Dean's Office for additional qualification/application information.

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 the 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 the 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.

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.

A 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 the Dean's Office for more information.

Pre-Professional Advisory Programs

Pre-Law

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 law school. Interested students should contact the Dean's Office.

Pre-Health

Students interested in the medical or health sciences are encouraged to register with the Pre-Health Professions Advisory Committee, which informs students of requirements for admission to health professional schools, and helps them develop the personal qualities necessary for these health professions.

The B.S. degree provides a more thorough training in science, but the following 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:

Biology (one year)

Biochemistry (one semester)

General Chemistry (one year)

Organic Chemistry (one year)

English (one year)

Mathematics (one year)

Physics (one year)

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.

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 major. The choice of another major is to be evaluated according to individual circumstances and needs.

Certain active on-campus organizations may 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.

Degree Requirements

Bachelor of Arts Core Curriculum and Major Requirements

University Core:

First Year Seminar 1000	3
First Year Writing 1000	3
Speech 1000	3
English 1100	3
History 1000	3
Philosophy 1000	3
Philosophy 3000	3
Theology 1000	3
Theology: Sacred Texts and Traditions	3
Ethics	3
Science/Quantitative Analysis	3
Mathematical, Logical, Quantitative, and Computational Reasoning	3
Social Justice	3
	39 credits

St. John's College Core:

Foreign Language	6
Social Sciences	3
Art or Music	3
Core Elective	3
Core Elective	3
Core Elective	3
	18 credits

Major Requirements:	30 to 46 credits
<i>(see Major Requirements section for specific details)</i>	
General Electives:	18 to 33 credits
Graduation total:	120 credits minimum

Bachelor of Science Core Curriculum and Major Requirements

University Core:

First Year Seminar 1000	3
First Year Writing 1000	3
Speech 1000	3
English 1100	3
History 1000	3
Philosophy 1000	3
Philosophy 3000	3
Theology 1000	3
Theology: Sacred Texts and Traditions	3
Ethics	3
Social Justice	3
	33 credits

St. John's College Core:

Foreign Language	6
Social Sciences	3
Art or Music	3
Core Elective (outside of math/science)	3
Core Elective (outside of math/science)	3
	18 credits

Additional Math or Science Requirements Specific to Each Major Field:

Biology	36 credits
Biochemistry	20 credits
Chemistry	16 credits
Mathematics	8 credits
Physics	8–16 credits

Major Requirements:	29 to 60 credits
<i>(see Major Requirements section for specific details)</i>	
General Electives:	0 to 24 credits
Graduation total:	120 to 124 credits minimum

Bachelor of Fine Arts Core Curriculum and Major Requirements

University Core:

First Year Seminar 1000	3
First Year Writing 1000	3
Speech 1000	3
English 1100	3
History 1000	3
Philosophy 1000	3
Philosophy 3000	3
Theology 1000	3
Theology: Sacred Texts and Traditions	3
Ethics	3
Science/Quantitative Analysis	3
Mathematical, Logical, Quantitative, and Computational Reasoning	3
Social Justice	3
	39 credits

St. John's College Core:

Foreign Language	6
Social Sciences	3
	9 credits

Major Requirements:	84 credits
General Electives:	None
Graduation total:	132 credits minimum

Departments and Divisions of St. John's College

Department of Art and Design

Institute for Asian Studies

Department of Biological Sciences

Department of Chemistry

Department of Communication Sciences and Disorders

Department of Communication Studies

Department of Core Studies

Institute for Critical Race and Ethnic Studies

Department of English

Environmental Studies Program

Department of Government and Politics

Department of History

Department of Languages and Literatures

Department of Mathematics and Computer Science

Department of Philosophy

Department of Physics

Department of Psychology

Department of Sociology and Anthropology

Department of Theology and Religious Studies

Major Requirements

Anthropology (B.A.)

Department of Sociology and Anthropology

30 semester hours including: ANT 1000, 1010, 1020, 4990, SOC 2610, 4270, and 12 semester hours in ANT.

Art History (B.A.)

Department of Art and Design

39 semester hours including: ART 1710, 1720, 1760, 1765, three semester hours in Studio Art in consultation with the department, nine semester hours of Western Art History electives, nine semester hours of non-Western Art History electives, three semester hours of an Advanced Seminar chosen from: ART 3100, 3210, 3720, 3725, 4000, and three semester hours of a Research Seminar chosen from: ART 4010, 4020.

Asian Studies (B.A.)

Institute for Asian Studies

36 semester hours including: ASC 1300, 2610; twelve semester hours of language courses from Chinese (CHI), Japanese (JPN), or Korean (KOR): 1010, 1020, 2030, 2040 (Students may combine different languages, but must complete at least one course above level three) and eighteen semester hours of non-language courses chosen from any undergraduate Asian Studies courses.

Eligible juniors and seniors may take graduate-level Asian Studies or Chinese Studies courses with the approval of the Institute for Asian Studies to fulfill Asian Studies elective courses.

Biochemistry (B.S.)

Interdisciplinary Major

53 semester hours including: CHE 1210 or 1310; 1220 or 1320; 2230 or 2630; 2240 or 2640; 3250; BIO 2000, 2001L, 3000, 3001L, 3470, BIO/CHE 3390; BIO/CHE 3360, and three biochemistry electives chosen from: BIO 2270, 2280, 3300, 3320, 3460, 4953; CHE 3210, 3220, 3330, 3340, 3450, 4351, 4361; CSC 1380.

In addition, biochemistry majors must complete MTH 1210, 1730, 1740; PHY 1930, 1940.

Biology (B.S.)

Department of Biological Sciences

29 semester hours including: BIO 1000, 2000, 2001L, 3000, 3001L, and five BIO elective courses that account for at least seventeen semester hours. Two of these five 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, 2001L, 3000, and 3001L.

Chemistry (B.S.)

Department of Chemistry

46 to 51 semester hours including: CHE 1310, 1313L, 1320, 1323L, 2630, 2633L, 2640, 2643L, 3000; 3210 or 3280; 3220 or 3270; 3250, 3300, 3320, 3340, 3440, and one of the following options:

Option I: B.S. in Chemistry (46-47 credits)

One of the following: CHE 3260, 3290, 3330, 3360, 3390, 3420, 3431, 3450, 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, 3290, 3330, 3360, 3420, 3431, 3450, 4351, 4361, 4903, 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 3290, 3330, 3360, 3450 and BIO 3320 are also highly recommended electives.

In addition, chemistry majors are required to take MTH 1730, 1740; PHY 1930, 1940.

Communication Studies (B.A.)

Department of Communication Studies

36 semester hours including: CMC 1155, 4000; SPE 1000, nine semester hours chosen from: CMC 1015, 2000, 2020, 3130, 3140, and eighteen semester hours chosen from one of the following concentrations:

Communication & Culture:

CMC 2010, 2015, 2030, 2035, 2080, 2100, 2110, 2120, 2150, 3150, 3190.

Organizational Communication & Leadership:

CMC 2025, 2050, 2070, 2170, 2225, 2250, 3140, 3180.

Political Communication & Civic Engagement:

CMC 1010, 2030, 2035, 2040, 2060, 2080, 2100, 2130, 2170, 2200, 3120, 3150, 3160, 3180, 3190.

Computing and Machine Learning (B.S.)

Department of Mathematics and Computer Science

33-35 semester hours including: CSC 1030, 1400, 1410, 1470, 2450, 2490, 2580, 2590, 4990, and 6-8 semester hours chosen from: MTH 1125, 2750, 2800, 3810, or upper-level CSC courses.

In addition, computing and machine learning majors are required to take MTH 1020, 1730, 1740, 2790, and 3380.

Critical Race and Ethnic Studies (B.A.)

Institute for Critical Race and Ethnic Studies

33 semester hours including: CRES 1000, 2000, 3000, 3050, 4995; and one course from six of the following seven subject areas:

Arts, Performance, and the Digital

ART 1830; ENG 3560, 3590, 3640; MUS 1210, 1300.

Education and Social Justice

CMC 2100; CRES 4999; ENG 3420, 3760; FRE 3920; THE 4995.

History, Historicism, Historiography

HIS 3375, 3711, 3712.

Political Economy and Economics, and Accumulation

CRES 3410.

Religion, Law, and Philosophy

PHI 3750; THE 2245, 2255.

Sociology, Social Formation, and Sociogeny

ENG 3645, 3650; FRE 3570, 3820.

STEM: Science, Technology, Engineering, and Math (Natural, Health, Clinical Sciences)

CRES 3510; SOC 1035.

Economics (B.A.)

St. John's College Dean's Office in collaboration with Tobin College of Business

33 semester hours including: ECO 1301, 1302, 3303, 3341, 3343; BUA 1333, 2334; and four elective courses in the major, selected in consultation with a departmental advisor, from ECO 3306, 3307, 3313, 3344, 3346, 3348, 4340, 4350, 4399, 4400; FIN 2310, 3312, 3316, 3318.

In addition, economics majors are required to take MTH 1320.

ECO 1326 is 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.

Students must complete MTH 1320 and be in junior standing (having 56+ credits completed) to enroll in junior or senior level business courses (courses numbered 3000 or above). ECO majors are also encouraged to take a computer science course, e.g., IS 1332.

Note: Business courses are taught by the Peter J. Tobin College of Business faculty. Students interested in pursuing the Bachelor of Arts Economics major should consult the Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

English (B.A.)

Department of English

36 semester hours including: ENG 1100, 2200, 2300, nine semester hours chosen from ENG courses prior to 1900: ENG 3000-3399, 3520, or ENG 2060 or 2210 with the approval of the instructor and chairperson; a senior capstone seminar, and fifteen semester hours in ENG electives offered by the English department.

Environmental Science (B.S.)

Environmental Studies Program

50 semester hours including: BIO 1000 or ESP 1010; BIO 2000, 2001L; CHE 1210, 1220; ESP 1020, 2410, 2500, 2990, 4990; GEO 2001, MTH 1210; and eleven semester hours of major elective courses in consultation with the Director of the Environmental Studies Program.

Environmental Sustainability and Decision-Making (B.A.)

Environmental Studies Program

45-46 semester hours including: ANT 1120; ESP 1010, 1020, 2410, 2990, 4990; ESP/GOV 2500; GEO 2001; GOV 1030, 2160; one course in applied statistics; and twelve semester hours of major elective courses in consultation with the Director of the Environmental Studies Program.

Financial Mathematics (B.S.)

Department of Mathematics and Computer Science

60 semester hours including: ACC 2370; CSC 1380; ECO 1301, 1302; FIN 2310, 3311, 3312; MTH 1730, 1740, 2750, 2790, 3320, 3810; RMI 1301; three semester hours chosen from: MTH 3860, 3970; and twelve semester hours chosen from: FIN 3319, 3388, 4317, 4327, 4351.

Fine Arts (B.F.A.)

Department of Art and Design

84 semester hours including: ART 1110, 1130, 1200, 1210, 1510, 1630, 1710, 1720, 2120, 2220, 2310, 2320, 2520, 2750, 3115, 3350, 3560, 4112; 1135 or 1105; 2755 or 3720; 4909 (nine-credit internship) or 4125 (nine-credit Creative Thesis); plus twelve semester hours from the approved ART elective list as recommended by the Art and Design department.

French (B.A.)

Department of Languages and Literatures

33 semester hours including: FRE 3090, 3100, 3550, 3560, 3870, 3880, and fifteen semester hours in advanced FRE 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 Languages and Literatures department, shows a deficiency in French grammar shall be required to take FRE 3150 in preparation for FRE 3870, 3880. A

French major who, in the judgment of the Languages and Literatures department, shows a deficiency in speaking French shall be required to take one or both terms of FRE 3110, 3120.

Note: FRE courses taught in English do not apply to the French major.

Global Development and Sustainability (B.A.)

Interdisciplinary Major

36 semester hours including: GDS 1000, 2000, 4980, 4990; ANT/CMC 1155; ECO 3346; GOV 3850; one FRE, SPA, or ITA course at the 3000 level (language courses taught in English do not apply) and twelve semester hours chosen from the Social Science Track or the Science Track:

Social Science Track:

ANT 1040, 1100, 2400; COM 3103; ECO 1320; ESP 1020; GOV 2520, HIS 3110, 3160.

Science Track:

ANT/ESP 1120; ANT 2100; BIO 1070; CHE 1210; ESP 2020; ESP 2410; GEO 1001, 2001, 2002; GOV 2170; PHY 1080, 1090, 1120.

In addition, global development and sustainability majors are required to take ECO 1302, as it is a prerequisite for ECO 3346.

Government and Politics (B.A.)

Department of Government and Politics

36 semester hours including: GOV 1030, 1050, eighteen semester hours in GOV courses, and one course in each of the following areas:

International Relations:

GOV 1610, 2170, 2640, 2810, 3620, 3630, 3670.

Comparative Government:

GOV 1700, 2650, 2660, 2690, 2730, 2750, 3310, 3680, 3710, 3720, 3850, 3851.

Political Theory:

GOV 1250, 1260, 1270, 1280.

Senior Seminar:

GOV 4991, 4992, 4993, 4995.

Students are permitted to take a maximum of six semester hours in fieldwork courses. Students may take more than one senior seminar. Eligible seniors may choose up to six semester hours from 100-level graduate courses to fulfill GOV elective courses.

Graphic Design (B.F.A.)

Department of Art and Design

84 semester hours including: ART 1105, 1110, 1115, 1130, 1710, 1720, 2115, 2125, 2130, 2145, 2750, 3110, 3120, 3125, 3130, 3135, 3350, 4120, nine semester hours chosen from: ART 1120, 1200, 1280, 1510, 1630, 1640, 2120, 3015, 3115; 4909 (nine-credit internship) or 4125 (nine-credit Creative Thesis); plus twelve semester hours from the approved ART elective list as recommended by the Art and Design department.

History (B.A.)

Department of History

36 semester hours including: HIS 1000, 1010, 2990 (in sophomore year), 4990; six semester hours in HIS courses offered by the Department of History,

six semester hours in U.S. History, and twelve semester hours in World History from three of five categories: Africa, Americas (non-U.S.), Asia, Europe, and Transregional.

U.S. Surveys and Topics

HIS 2700, 2710, 2711, 2712, 2720, 2730, 2740, 2750, 2760, 2770, 3180, 3375, 3702, 3705, 3711, 3712, 3725, 3731, 3732, 3740, 3760, 3770, 3795, 3810.

Africa Surveys and Topics

HIS 2300, 2301, 2302, 3400, 3410.

Americas (non-U.S.) Surveys and Topics

HIS 2331, 2332, 2340, 2450, 3900.

Asia Surveys and Topics

HIS 2311, 2312, 2313, 2314, 2315, 2317, 2318, 2320, 2321, 3310, 3320, 3321, 3350, 3370, 3380.

Europe Surveys and Topics

HIS 2002, 2501, 2502, 2520, 2530, 2531, 2532, 2533, 2541, 2542, 2550, 2560, 3501, 3502, 3511, 3512, 3521, 3522, 3531, 3540, 3541, 3560, 3561, 3562, 3565, 3650, 3651, 3652, 3653, 3660.

Transregional Surveys and Topics

HIS 2007, 2110, 2120, 2130, 2141, 2142, 2316, 2334, 2335, 2511, 2540, 2810, 2820, 3110, 3130, 3140, 3150, 3160, 3190, 3460, 3720.

Illustration (B.F.A.)

Department of Art and Design

84 semester hours including: ART 1105, 1110, 1115, 1210, 1270, 1280, 2125, 2220, 2230, 2265, 2280, 2310, 3110, 4112, twelve semester hours of required Art History courses: ART 1710, 1720, 2145, 2750, nine semester hours chosen from: ART 1510, 1630, 2115, 2130, 2320, 3125, 3570; 4909 (nine-credit internship) or 4125 (nine-credit thesis); plus twelve semester hours from the approved ART elective list as recommended by the Art and Design department.

Italian (B.A.)

Department of Languages and Literatures

33 semester hours including: ITA 3090, 3100, 3550, 3560, 3870, 3880, and fifteen semester hours in advanced ITA 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 Languages and Literatures department, shows a deficiency in Italian grammar shall be required to take ITA 3150 in preparation for ITA 3870, 3880. An Italian major who, in the judgment of the Languages and Literatures department, shows a deficiency in speaking Italian shall be required to take one or both terms of ITA 3110, 3120.

Note: ITA courses taught in English do not apply to the Italian major.

Mathematical Physics (B.S.)

Department of Physics

47 semester hours including: CSC 1390; MTH 1730, 1740, 2750, PHY 1930, 1940, 1950, 1970, 2460, 3210, 3330, and three upper level PHY or MTH courses.

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 chair of the Physics department.

Mathematics (B.A.)

Department of Mathematics and Computer Science

39 semester hours including: CSC 1380 or 1390; MTH 1730, 1740, 2700, 2750, 2790, 3770, 3780, 3840, 4830, 4990 and three semester hours of an upper level MTH course.

In addition, B.A. mathematics majors are required to take PHY 1930, 1940.

Mathematics (B.S.)

Department of Mathematics and Computer Science

51 semester hours including: CSC 1380 or 1390; MTH 1730, 1740, 2700, 2750, 2790, 2800, 3770, 3780, 3810, 3840, 4830, 4990 and nine semester hours of upper level MTH courses.

In addition, B.S. mathematics majors are required to take PHY 1930, 1940.

Philosophy (B.A.)

Department of Philosophy

36 semester hours including: PHI 1000, 2200, 3000, 3400, 4990, nine semester hours from: PHI 3500, 3510, 3520, 3530, and twelve semester hours chosen from any other PHI course offerings except PHI 2220 and PHI 2240.

Photography (B.F.A.)

Department of Art and Design

84 semester hours including: ART 1105, 1110, 1610, 1620, 1630, 1650, 1660, 2650, ART 2655 or ICP 1005; ART 3560 or ICP 1006; ART 4110 or ICP 1007; ART 4112 or ART 3110 or ICP 1008; ART 3010 or ICP 1009; six semester hours in Art History electives, fifteen semester hours in Photography in affiliation with the International Center of Photography (ICP) (one academic semester), ART 4909 (nine-credit internship), or 4125 (fifteen-credit Creative Thesis), plus fifteen semester hours from the approved ART elective list as recommended by the Art and Design department.

Physical Science (B.S.)

Department of Physics

37 semester hours including: PHY 1930, 1940, 1950, 1970, and twenty-three semester hours from upper level PHY courses. In addition, physical science majors are required to take MTH 1730, 1740.

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 chair of the Physics department.

Physics (B.S.)

Department of Physics

48 semester hours including: PHY 1930, 1940, 1950, 1970, 2010, 2250, 2460, 3210, 3240, 3330, and sixteen semester hours from upper level PHY courses with approval from the chair of the department of physics.

In addition, physics majors are required to take MTH 1730, 1740, 2750, 3840.

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 chair of the department of Physics.

Psychology (B.A.)

Department of Psychology

41 semester hours including: PSY 1000, 2030, 2040, 2150, 2990, 3260, 3800, six semester hours in PSY courses from the Psychology department's course offerings (including those not selected from the four groups mentioned above), and one course from each of the following groups below:

Group 1: Abnormal/Personality/Social
PSY 2200, 2210, 3320.

Group 2: Developmental
PSY 2070, 2080.

Group 3: Experimental
PSY 3270, 3280, 3290.

Group 4: Emerging Areas
PSY 2220, 2240, 2250, 2260, 2270.

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 as one of their electives.

Psychology majors are required to take PSY 1000 as their first course. They are encouraged to take PSY 2030 as soon as possible.

Public Administration and Public Service (B.A.)

Department of Government and Politics

36 semester hours including: PAPS 1030, 1530, 1540, 4923, 4995, fifteen semester hours in PAPS courses, and one course in each of the following areas:

U.S. Government Institutions:
PAPS 2420, 2430.

Subnational Government Institutions:
PAPS 2470, 2480.

Sociology (B.A.)

Department of Sociology and Anthropology

33 semester hours including: SOC 1000, 1170, 2610, 3240, 4270, 4990, and fifteen semester hours in SOC electives offered by the Sociology department.

Spanish (B.A.)

Department of Languages and Literatures

33 semester hours including: SPA 3090, 3100, 3550, 3560, 3870, 3880, and fifteen semester hours in advanced SPA 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 Languages and Literatures department, shows a deficiency in speaking Spanish shall be required to take one or both terms of SPA 3110, 3120.

Note: SPA courses taught in English do not apply to the Spanish major.

Speech-Language Pathology and Audiology (B.A.)

Department of Communication Sciences and Disorders

(For students who matriculated prior to Fall 2022)

39 semester hours including: CSD 1710, 1720, 1730, 1740, 2710, 2750, 2760, 2770, 2810, 4990, and nine semester hours chosen from: CMC 1155; CSD 1750, 1820, 2775, 2780, 4810, 4953; LIN 1810.

(For students who matriculated starting Fall 2022)

42 semester hours including: CSD 1710, 1720, 1730, 1740, 1750, 1820, 2710, 2750, 2760, 2770, 2810, 4990, and six semester hours chosen from: CMC 1155; CSD 2775, 2780, 4810; LIN 1810; PSY 3410.

For certification, the American Speech-Language-Hearing Association requires 3 credits in a biological science specific to humans, 3 credits in Physics or Chemistry, 3 credits in statistics, and 6 credits in a social or behavioral science. Speech-Language Pathology and Audiology majors are urged to work with departmental advisors to meet these requirements at the undergraduate level.

Theology (B.A.)

Department of Theology and Religious Studies

36 semester hours including: THE 1000, 2110, 2120, 2205; 2210 or 2215; 3010 or 3020; 2501, 2502, 2810, 4990, and six semester hours in the 3000 series.

Note: THE mini-courses are not applicable to the theology major.

Minor Requirements

Africana Studies

15 semester hours including: HIS 3400 and twelve semester hours, representing at least three different disciplines, selected from the following: ANT 2450; ART 1830, 2745; ENG 3300, 3330, 3470, 3475, 3480, 3650; FRE 3820; GOV 2480, 2750, 3680; HIS 2300, 2301, 2302, 2450, 3410, 3711; MUS 1300; PSY 2230; SOC 1190, 2450.

Note: Independent study courses, special topics courses, and graduate level courses with significant Africana content can be counted for African minor credit with authorization of professor and director of Africana Studies.

American Studies

18 semester hours including: three semester hours in the Capstone ASP Seminar and fifteen semester hours from three different areas, selected from the following:

Humanities Group (six semester hours from different disciplines): CMC 2040; ENG 2060, 3300, 3310, 3330, 3340, 3350, 3360, 3390, 3470, 3480, 3560; HIS 2700, 2710, 2711, 2712, 2720, 2730, 2740, 2750, 3150, 3180, 3375, 3702, 3705, 3711, 3712, 3720, 3725, 3731, 3732, 3740, 3760, 3795; PHI 3540.

Social Sciences Group (six semester hours from different disciplines): GOV 2160, 2240, 2430, 2510, 3590, 3800; SOC 1170, 1190, 2410, 2420, 2440, 2450, ANT 2750.

Arts, Media, and Technology Group (three semester hours): ART 1830, 1840, MUS 1230, 1260, 1300.

Capstone ASP Seminar (3 semester hours) Seminar in American Studies: Engaging American Culture

The seminar introduces students to recent developments in American Studies focusing on social justice, community-based research projects, fieldwork, and problem-solving methodologies.

Ancient Studies

18 semester hours chosen under the advisement of the Department of Languages and Literatures from courses dealing with Greek and Roman antiquity. No knowledge of Greek or Latin is required.

Anthropology

15 semester hours including: ANT 1010 or 1020, and twelve semester hours in ANT.

Applied Mathematics

21 semester hours including: MTH 1730, 1740, 2750, and nine semester hours chosen from the following: CSC 1380 or 1390; MTH 2390, 2790, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3810, 3840, 3850, 3860, 3970, 4830.

Note: Credit is only given for CSC 1380 or 1390 not both.

Arabic

15 semester hours chosen under advisement of the Department of Languages and Literatures in ARA.

Art

18 semester hours including: ART 1110, 1130, 1200, and nine semester hours chosen from: ART 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1085, 1090, 1095, 1210, 1270, 1290, 1510, 1610, 2120, 2220, 2265, 2310, 2520, 3010, 3115, 3340, 3565.

Art History

18 semester hours including: ART 1710, 1720, 2750, six semester hours of Art History elective courses and three semester hours of a studio course.

Asian Studies

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

Biology

20 semester hours including: BIO 1000, 2000, 2001L, 3000, 3001L, plus any two other courses approved by the Department of Biological Sciences for biology majors.

BIO 1050, 1060, 1070, 1360, and 1600 are not applicable to the minor sequence. Some of these courses have other prerequisites, such as CHE 1210.

Business

18 semester hours including: ACC 2370; ECO 1301, 1302; FIN 2310 or RMI 2301; MGT 2301; MKT 2301.

Note: Business 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.

Business and Organization Communication

15 semester hours including: SPE 1000; CMC 2020, 2025, and six semester hours from CMC 1015, 1155, 2000, 2050, 2070, 4903.

Catholic Studies

18 semester hours including: THE 1000, 2000, 3000, and nine semester hours approved by the minor program director; up to six semester hours may be taken outside of the Department of Theology and Religious Studies with the permission of the director.

Chemistry

23–26 semester hours including: two courses in general chemistry; two courses of organic chemistry and six semester hours of CHE electives above 2640 that are a minimum of 3 credits each.

Classics

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 the advisement of the Department of Languages and Literatures.

Communication

15 semester hours including: SPE 1000; CMC 2020, and nine semester hours from CMC 1155, 2000, 2015, 2025, 2070, 2080.

Computer Science

15 semester hours including: CSC 1400, 1410, and nine semester hours chosen from: CSC 1350, 1470, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2580, 2590, 2720; MTH 2540.

Computing

15 semester hours including: CSC 1400, 1410, 1470, 2450, 2490.

Note: Students who had Calculus (MTH 1730 or equivalent) can replace any of the CSC 2450 and CSC 2490 with any of the following: CSC 2510/MTH 3340, CSC 2580/MTH 3310, CSC 2590/ MTH 3320.

Critical Race and Ethnic Studies

15 semester hours including: CRES 1000, 2000, 4995; and two courses chosen from any of the following seven subject areas:

Arts, Performance, and the Digital

ART 1830; ENG 3560, 3590, 3640; MUS 1210, 1300.

Education and Social Justice

CMC 2100; CRES 4999; ENG 3420, 3760; FRE 3920; THE 4995.

History, Historicism, Historiography

HIS 3375, 3711, 3712.

Political Economy and Economics, and Accumulation

CRES 3410.

Religion, Law, and Philosophy

PHI 3750; THE 2245, 2255.

Sociology, Social Formation, and Sociogeny

ENG 3645, 3650; FRE 3570, 3820.

STEM: Science, Technology, Engineering, and Math (Natural, Health, Clinical Sciences)

CRES 3510; SOC 1035.

Data Science

15–17 semester hours including CSC 1380; a Calculus course (MTH 1220, 1260, 1320, 1730, or equivalent), a Statistics course (ACT 2322; MTH 1020, 1210, 3810; PSY 2030; SOC 2610, or equivalent), and six semester hours chosen from: MTH 1040, 3310, 3320, 3330/CSC 2500, 3340/CSC 2510, 3350/CSC 2600, 3360/CSC 2520, 3370/CSC 2620, 3970, 4970, 4980/CSC 4980.

Economics

15 semester hours including: ECO 1301, 1302, and nine semester hours in ECO selected in consultation with a departmental advisor.

In addition, economics minors are required to take MTH 1320.

ECO 2327 is not applicable to the minor sequence.

Students must complete MTH 1320 and be in junior standing (having 56+ credits completed) to enroll in junior or senior level business courses (courses numbered 3000 or above).

Note: Business courses are taught by the Peter J. Tobin College of Business faculty. Students interested in pursuing the economics minor should consult the Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

English

15 semester hours including: ENG 1100 and twelve semester hours in any ENG courses offered by the Department of English.

Environmental Studies

15 semester hours including: ESP 1010, GEO 2001, and nine semester hours of environmental electives in consultation with the Director of the Environmental Studies Program.

Francophone Studies

18 semester hours including: six semester hours in French and twelve semester hours from FRE 3901, 3902, 3920, 3921, 3930; LAC 1000 (Only Language and Culture: French will apply).

French

15 semester hours chosen under advisement of the Department of Languages and Literatures in FRE.

Note: FRE courses taught in English do not apply to the French minor.

Global Development and Sustainability

18 semester hours including: GDS 1000, 2000; ANT/CMC 1155; ECO 3346; GOV 3850, and one language course at the 3000 level.

In addition, global development and sustainability minors are required to take ECO 1302, as it is a prerequisite for ECO 3346.

Global Studies

18 semester hours including: three semester hours in a capstone seminar, six semester hours from one course in each of the core categories (Cultural Studies and Political Studies), and nine semester hours from a generalist track (Culture and Society, Global Politics and Environment, International Relations, or Social Development) or specialist track (chosen from a particular region or area of study as approved by the Director of the Global Studies minor):

Core Courses (one course from each category):

Cultural Studies: History, Literature Religion: ENG 3520; HIS 1010; THE 2810. Students may also take any 2000-level or higher language course to satisfy this requirement.

Political Studies: GOV 1610, 3620, 3670; PHI 3660.

Generalist Tracks (three courses from a chosen track):

Culture and Society: CMC 1155; ENG 3520, 3580; GOV 3620; HIS 2300, 2301, 2302, 2311, 2312, 2320, 2321, 2331, 2332, 2450, 2540, 2542, 3130, 3150, 3160, 3180, 3370, 3400, 3501, 3502, 3653, 3660, 3702, PHI 3520, 3530, 3660, 3670, 3680; THE 2810, 3250, 3310, 3810.

Global Politics and Environment: ANT 2400, 1120/ESP 1120; BIO 1070; ESP 3480; GEO 1001, 2001, 2002; GOV 2170, 2520, PHI 3720.

International Relations: ANT 1100, 1155, 2400, 2450, 2740; ECO 3306, 3344, 3346; ENG 3520, 3580; GEO 1001, 2001; GOV 1700, 2170, 2640, 2650, 2660, 2690, 2730, 2750, 2810, 3290, 3570, 3620, 3630, 3670, 3680, 3710, 3720, 3850, 3851; HIS 3160; PHI 3660, 3680; SOC 2100, 2330, 2420, 3660; THE 2810, 3250, 3310.

Social Development: ANT 1100, 1155, 2400, 2450, 2740; ECO 3306, 3344, 3346; ESP 1120; GEO 1001, 2001; GOV 1700, 2520, 2660, 2690, 2730, 2750, 3670, 3680, 3710, 3720, 3850; HIS 2301, 2302, 2311, 2312, 2320, 2321, 2330, 2331, 2332, 2450, 3150, 3180, 370, 3400, 3653; PHI 3660, 3680, 3740; SOC 2100, 2330, 2420, 2470, 2630, 3660.

Government and Politics

18 semester hours in GOV courses.

Graphic Design

18 semester hours including: ART 1105 or 1135; 1115, 2125, and nine semester hours chosen from: ART 1120, 2115, 2130, 3115, 3120, 3125.

History

15 semester hours including: HIS 1000, 1010, three semester hours in Africa, Americas (non-U.S.), Asia, or Transregional history, and six semester hours of HIS electives in consultation with the Department of History.

Interfaith Studies

18 semester hours including: nine semester hours chosen from: THE 2700, 2710, 2810, 2820, 2830, 2840, 2850 and nine semester hours of THE courses offered by the Department of Theology and Religious Studies.

International Business (For French, Italian, Spanish majors only)

21 semester hours including: ECO 1301, 1302, IB 3341, and twelve semester hours chosen from: ECO 3306; FIN 3318; MGT 3339, 3341, 4310, 4334, 4338; MKT 3317, 4318. No other prerequisites are necessary. Students must first consult with the Language Program Coordinator.

Italian

15 semester hours chosen under advisement of the Department of Languages and Literatures in ITA.

Note: ITA courses taught in English do not apply to the Italian minor.

Italian Studies

18 semester hours including: a maximum of six semester hours in ITA language courses; ART 1250, 1795; CLS 2600; ENG 1076; HIS 2002, 3540; SOC 2410.

Law and Government

21 semester hours including: GOV 1010, 1030 and any five of the following: GOV 2400, 2490, 2500, 2580, 2600, 3450, 3460, 3570, 3620; HIS 3725; PHI 3420, 3650; CMC 2020, 3180; SOC 2360.

Linguistics

18 semester hours including: LIN 1010, 1020, and twelve semester hours of LIN courses chosen under the advisement of the Department of Languages and Literatures.

Machine Learning

15-17 semester hours including: CSC 1030, a Calculus course (MTH 1220, 1260, 1320, 1730, or equivalent), a Statistics course (ACT 2322; MTH 1020, 1210, 3810; PSY 2030; SOC 2610, or equivalent), CSC 2590/MTH 3320, and three semester hours chosen from: CSC 2510/MTH 3340, CSC 2580/MTH 3310, CSC 2600/MTH 3350, CSC 2620/MTH 3370, CSC/MTH 4980.

Mathematics

21 semester hours including: CSC 1380 or 1390; MTH 1730, 1740, 2700, 2750, and 2790.

Music

18 semester hours including: MUS 1010; 1020 or 2020; nine semester hours from approved MUS electives, and three semester hours in applied music courses from approved list.

Philosophy

18 semester hours including: PHI 1000, 2200, 3000, and nine semester hours chosen from any PHI course offerings except PHI 2220 and 2240.

Philosophy of Law

21 semester hours including: PHI 1000, 2200, 3000, 3400, 3650, and six semester hours chosen from: PHI 3420, 3540, 3660, 3680, 3740; CLS 2600.

Philosophy of Science

18 semester hours including: PHI 1000, 2200, 3000, 3800, and six semester hours chosen from: PHI 3720, 3810.

Photography

18 semester hours including: ART 1085 or 1610; 1086 or 1620; 1630, 1660, and six semester hours chosen from approved ART electives.

Physics

16 semester hours including: PHY 1610, 1620, or 1930, 1940, and eight semester hours of PHY courses in consultation with the Department of Physics.

Psychology

16 semester hours including: PSY 1000, 2030, and nine semester hours chosen from among the PSY courses offered by the Department of Psychology.

Students interested in minoring in psychology and who are also interested in applying to graduate school in this discipline should consider taking: PSY 2040, 2150, 2200, and/or 3800.

Public Administration and Public Service

15 semester hours including: PAPS 1030, 1530, and nine semester hours in PAPS courses.

Religious Communication

15 semester hours including: SPE 1000; CMC 1155, 3190, and six semester hours from: CMC 2020, 2040, 2060, 3130.

Rhetoric and Public Address

15 semester hours including: SPE 1000; CMC 3130, and nine semester hours from: CMC 2000, 2010, 2030, 2035, 2040, 2060, 3120, 3140, 3150, 3160, 3180, 3190.

Social Justice: Theory and Practice in the Vincentian Tradition

18 semester hours including: THE 3020, 4995, three semester hours chosen from: PHI 2200, 2240; THE 3010, three semester hours chosen from: SOC 1190; ECO 1320, and six semester hours chosen from the following: ART 1830; BIO 1360; CRJ 3005; ESP/GOV 2160; GEO 2001; GOV 2170; HIS 3110, 3740; LES 1018, 1024; PHI 3720; PSY 1019; SOC 1070, 1170, 2100, 2460; CMC 2060, 3150; THE 3310.

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

Social Work

15 semester hours including: SOC 1030, 1090, 4530, and six semester hours in SOC courses offered by the Department of Sociology and Anthropology.

Under advisement of the Department of Sociology and Anthropology, HSC courses may apply to the minor. However, all HSC students must take SOC 1030.

Sociology

15 semester hours including: SOC 1000 and twelve semester hours in SOC courses offered by the Department of Sociology and Anthropology.

Spanish

15 semester hours chosen under advisement of the Department of Languages and Literatures in SPA.

Note: SPA courses taught in English do not apply to the Spanish minor.

Speech-Language Pathology and Audiology

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

Theology and Religious Studies

18 semester hours from any THE courses offered by the Department of Theology and Religious Studies.

Note: THE mini-courses are not applicable to the theology and religious studies minor.

Urban Studies

15 semester hours chosen from the following: ANT 1120, 3100; ART 2660; ECO 1320; ESP 2110; GOV 2470, 2480; HIS 3760, 3770; ITA 3923; CMC, 2130; SOC 1015, 1030, 1080, 1110, 1170, 1190, 2630, 2460, 2680.

Note: No more than six semester hours can be from any one discipline and may not take more than six semester hours from mini-session courses.

Women's, Gender, and Sexuality Studies

15 semester hours chosen from the following (maximum of six semester hours may be taken in the same discipline): ANT 1110; ART 1840, 3100, 3725; ENG 3260, 3280, 3350, 3475, 3570; FRE 3830, 3902; GOV 1280; HIS 3140, 3460, 3560, 3561, 3562, 3731, 3732; ITA 3830, 3902; PHI 3330; PSY 2240; SOC 1025, 1150, 1170, 1570, 2020, 2110, 2330, 2430, 2440, 2470; SPA 3450; THE 3240.

Internships may also receive course credit with the approval of the director.

Writing

15 semester hours including: ENG 1100 and twelve semester hours of writing courses offered by the Department of English.

Course Descriptions

The availability of the following courses vary per semester and are subject to change.

Anthropology (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.*

1035 Science, Technology & the Human

A survey of critical debates surrounding the relationship between advances and scientific knowledge and technology and contemporary sociological theories of what it means to "be human." *Credit: 3 semester hours.*

1040 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.*

1045 Migration, Labor and Justice

A critical sociocultural analysis of links between national, regional and global social inequalities, with an emphasis on social mobility, labor, migration processes and justice. *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.*

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.*

2000 Anthropology of Human Rights

Examines human rights' history and practice in multiple international contexts using anthropology's holistic, comparative lens. Ethnographically investigates the political-moral facets of human rights. *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. *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.*

2200 Health, Food and Development

Critically evaluates through the lens of social justice the synergistic relationship between health, food, water, and environmental systems in the context of sustainable global development. *Credit: 3 semester hours.*

2220 Anthropology of Pandemics

Examines contemporary and historical pandemics using medical anthropology's holistic, comparative lens. Ethnographically investigates the global economic and environmental contexts of intensifying pandemic. *Credit: 3 semester hours.*

2330 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.*

2445 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.*

2510 Immersive Learning – Cultural Understanding

This class will use immersive role simulations to explore cultural approaches to a wide range temporal and international situations using primary texts. *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.*

3100 Social Determinants of African American Health

Provides an overview of social determinants of health among African Americans, with an emphasis on solution-development and intervention. *Credit: 3 semester hours.*

3110 Looters & Poachers – Protecting Heritage

An interdisciplinary exploration of Legal and Ethical Issues and Challenges facing those who work in Archaeology or Environmental Science. *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.*

Arabic (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. *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. *Credit: 3 semester hours.*

2030 Arabic, Level III

Prerequisite: ARA 1020. This course reviews the basic skills learned in ARA 1010 and 1020, 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. Credit: 3 semester hours.*

2040 Arabic, Level IV

Prerequisite: ARA 2030 or permission of chair. This course reviews the basic skills learned in ARA 1010, 1020, and 2030, and continues building oral and written proficiency with more intensive reading and conversation within the context of Arabic culture. *Not open to native speakers except with the permission of the chair. Credit: 3 semester hours.*

2050 Arabic, Level V

Prerequisite: ARA 2040 or permission of chair. Readings taken from a wide range of literary texts. *Credit: 3 semester hours.*

3110 Advanced Arabic Conversation

Prerequisite: ARA 2050 or permission of chair. Drill and practice in conversational Arabic. Topics are selected to meet the requirements of daily life. *Not open to native or fluent speakers. Credit: 3 semester hours.*

Art (ART)

1000 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. *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 The Visual Arts

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.

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 only. Digital camera required. Credit: 3 semester hours. Studio fee, \$50.*

1086 Intermediate Photography

Prerequisite: ART 1080 or 1085. An exploration of intermediate, techniques, aesthetics, criticism and processes of photography. *Digital camera required. 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 waxcasting of copper and brass. *Gallery and museum visits required. Credit: 3 semester hours. Studio fee, \$50.*

1095 Monuments of World Architecture

This course investigates sacred and secular architecture from around the globe, dating from the beginning of civilization to the present. *Credit: 3 semester hours.*

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.*

1120 Social Media for the Arts

Prerequisite: ART 1105 or permission of chair. Students will use social media to develop and disseminate creative projects working with a variety of platforms. *Credit: 3 semester hours.*

1130 Foundation Design II

This course extends the exploration of the fundamental language of the visual arts, begun in Foundation Design I, by emphasizing color, advanced illusions of space and movement, as well as introducing the principles of time. *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, conté, 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.*

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 working on illustration in a software-driven, media environment. Students will make narrative art developed initially using traditional methods and then take comprehensive drawings through to finish using the Adobe software environment. *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.*

1510 Relief and Intaglio Printmaking

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. *DSLR camera recommended. Credit: 3 semester hours. Studio fee, \$50.*

1630 Advanced Digital Photography and Imaging

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

Prerequisite: ART 1115. 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.*

1650 Analog Photography and Experimentation

An introduction to film and photographic darkroom printing and image-making processes. *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.*

1710; 1720 The History of Art I; II

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

1760 Art History: Method & Theory

Theories, methods and research strategies in the discipline of art history. *Credit: 3 semester hours.*

1765 Writing About Art

A writing-based curriculum for art historians, artists and anyone who wants to write about art from any perspective with any level of experience. *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.*

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.*

2025 Renaissance Art and Baroque Art in Europe

After briefly considering the Byzantine and Gothic legacy, the course will examine painting, sculpture, architecture, and to a lesser extent, crafts of Italy during the fourteenth, fifteenth, and sixteenth century. *Credit: 3 semester hours.*

2115 Graphic Production

Prerequisite: ART 1115. This course is designed to prepare the student for professional work as a graphic designer by giving the student a thorough understanding of packaging design and print production. Students will be confronted with a variety of design problems that will facilitate the understanding of the design process and the environmental and social ramifications of producing design outputs. *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

Prerequisite: ART 1115. In this course, students will explore the history, evolution, and use of type in design, through projects and class lectures. Emphasis will be placed on the use of typography in design studio projects. *Credit: 3 semester hours. Studio fee, \$50.*

2130 Motion Graphics

Prerequisite: ART 1115. 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. *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 through design and illustration. *Credit: 3 semester hours.*

2205 Medieval Art and Architecture

Medieval art and architecture across nearly one thousand years, from 400 to 1300 CE. *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 Design

This course is designed to introduce students to digital and analog drawing techniques used to

create visuals for Illustration and Graphic Design. *Credit: 3 semester hours. Studio fee, \$50.*

2265 Global Sketchbook

Prerequisite: ART 1050 or ART 1200. An online drawing course that uses as its subject the local sites particular to each student regardless of global location. *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.*

2520 Planographic Printmaking

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.*

2650 The Photograph as Document

Prerequisite: ART 1610; 1080 or 1085 can also serve as prerequisite with permission of chair. Documentary approaches to photographic images that articulate issues of social justice and interpersonal issues. The student must have access to a camera. DSLR camera recommended. *Credit: 3 semester hours. Studio fee, \$50.*

2655 Analog Photography II

An in-depth photography studio course focused on traditional film and darkroom printing practices, and the introduction of the large-format view camera. *Credit: 3 semester hours. Studio Fee, \$50.*

2660 Urban Documents

A study of urban society, social justice and culture through photographic documentation and research. *Credit: 3 semester hours.*

2705 Ancient Egyptian and Mesopotamian Art

This course explores ancient Egyptian and Mesopotamian art and archaeology from approximately 3000 BCE to the Classical era. *Credit: 3 semester hours.*

2715 Classical Archaeology

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

2735 Art of Asia and the Pacific

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.*

2740 Rococo to Revolution

This course surveys developments in European painting, sculpture, and architecture from 1789 through the close of the 19th century. *Credit: 3 semester hours.*

2745 Art of Africa

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

2750 Historical Modernism: 1848-1945

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.*

2755 Art Since 1945

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.*

2760 Latin American Art

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.*

2765 Islamic Art

This course explores Islamic art and architecture from around the globe, dating from the era of the seventh-century CE foundation of Islam to the present. *Credit: 3 semester hours.*

2780 The Art of Italian Film

Introduces students to the art form of Italian film through an approach that is both thematic and historical. *Credit: 3 semester hours.*

3010 Special Topics in Studio Art

Prerequisite: For junior or senior BFA majors. This course provides opportunities for students to engage in supervised projects that bring variable discipline-specific knowledge and methodological inquiry to bear on the practice of creating visual art. *Credit: 3 semester hours. Studio fee, \$50.*

3015 Special Topics in Design

Prerequisite: ART 2125. This course provides opportunities for students to engage in supervised projects that bring variable discipline-specific knowledge and methodological inquiry to bear on issues in the field of design. *Credit: 3 semester hours. Studio fee, \$50.*

3100 Women in the Arts

A survey of art history through the lens of gender studies, introducing students to an expanded canon of art history and to critical, theoretical, and historical writing on the subject of women in the arts. *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, 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 Interaction Design I

Prerequisite: ART 1105. This course is specifically structured to introduce art majors to the tools and visual language required for successful web design. *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. *Credit: 3 semester hours. Studio fee, \$50.*

3130 Interaction Design II

Prerequisite: ART 3120. This course is structured to introduce art majors to media rich Web design via coding and the integration of a variety of web tools. This design course allows students to add animation and interactivity to their web design projects. *Credit: 3 semester hours. Studio fee, \$50.*

3135 Junior Design

Prerequisite: ART 3125. This course will emphasize the formal visual and theoretical competencies and skills needed in design problem solving through advanced level studio projects. *Credit: 3 semester hours. Studio fee, \$50.*

3200 Criticism Theory and Practice Seminar

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.*

3210 Fashion History

History of Western fashion, fashion designers, fashion culture, and dress practices from the late 19th to the late 20th century. *Credit: 3 semester hours.*

3240 Drawing III

Prerequisite: 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)

Prerequisite: ART 2220. 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.*

3355 3D Printing & Digital Manufacturing

Studio course providing hands on training in the field of 3D printing that surveys the impact of this disruptive technology within our society. *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 The Visual Narrative

Prerequisite: Foundation courses within BFA major must be completed. This course will provide a creative and critical forum in which junior and senior level artists of diverse media can work on their own unique narrative projects simultaneously. *Credit: 3 semester hours.*

3570 Junior Sequential Art

Prerequisite: ART 2220, 2280. This course explores the planning, composition, and methods of narrative art and image creation, focusing on the development of image layout and methods that bring ideas from roughs to finished forms. *Credit: 3 semester hours.*

3655 Photographic Studio & Lighting Practices

A studio class concentrating on the technical and creative practices of lighting as applied to portraiture, commercial, editorial, and fine art photography. *Credit: 3 semester hours.*

3720 Global Contemporary Art

This course introduces students to the conceptual, theoretical, and aesthetic themes/debate driving the current production of and discussion about contemporary art in a global context. *Credit: 3 semester hours.*

3725 Gender, Sexuality, and the Body in Pre-Christian Art

Gender, sexuality, and the body in the art of pre-Christian world cultures. *Credit: 3 semester hours.*

4000 Special Topics in Art History

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.*

4010 Supervised Research/Independent Study in Art History

Student-generated supervised research project that provides training in art historical research methods. *Credit: 3 semester hours.*

4020 Research Seminar in Art History

Training in art historical research methods to produce sophisticated research papers based on primary resources and current approaches in the discipline. *Credit: 3 semester hours.*

4110 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.*

4112 Professional Practices for Fine Art and Illustration Majors

This course enhances students' knowledge of career opportunities and facilitates their preparation for the professional working world of the fine artist and illustrator. Students will develop communication skills, preparing artists statements, resumes and professional quality documentation of their work in order to apply for grants, graduate school, gallery/artists representation and other applications. *Credit: 3 semester hours.*

4115 Senior Sequential Art

Prerequisite: ART 3570. This course concentrates on the development, design, and execution of narrative art for publication across media. *Credit: 3 semester hours.*

4120 Senior Design

Prerequisite: ART 3135. The development of theories and practices for communication design exploring social responsibility, sustainability, ethics, client relations, originality and compensation are covered. *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

A semester of independent work in the student's major field of concentration. *Open to BFA candidates only. Permission of the department chair required. Credit: 3 semester hours.*

Asian Studies (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 Introduction to the Civilizations of Asia

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.*

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.*

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.*

Biology (BIO)**1000 Fundamentals of Biology, I: Introduction to Population Biology**

Corequisite: BIO 1001L. Evolution, classification and taxonomy, population biology and ecology. *Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester 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.*

1600 Field Biology (Mini-Course)

General principles of ecology and field sampling techniques to measure parameters that influence the distribution of organisms in various ecosystems. *Field trips required. Not applicable in major or minor sequences. Not open to students who have previously taken BIO 3370. Credit: 3 semester hours.*

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

Prerequisite: CHE 1100 or 1110 or 1210 or 1310. 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 2000, 3000. 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 2261L. 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 2000. Corequisite: BIO 2281L. 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 Beer-making 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. Corequisite: BIO 2311L. The biology of plants: their morphology, evolution and classification. *Field trips required. 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 2511L. 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, 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 Anatomy and Physiology**

Prerequisite: BIO 2000. Basic principles of anatomy,

physiological function, and developmental processes. *Lecture, 3 hours. Credit: 3 semester hours.*

3001L Fundamentals of Biology III:

Laboratory

Prerequisite: BIO 2001L. Corequisite: BIO 3000. Basic principles of anatomy, physiological function, and developmental processes from a laboratory perspective. *Laboratory, 3 hours. Credit: 1 semester hour. Laboratory fee, \$100.*

3100 Advanced Anatomy and Physiology I

Prerequisite: BIO 3000, 3001L. Structure of the integument, skeletal, muscular, central, and peripheral nervous systems. Anatomy of the endocrine, cardiovascular, respiratory, digestive, lymphatic, reproductive, and urinary systems. *Lecture, 3 hours. Credit: 3 semester hours.*

3270 Developmental Biology

Prerequisite: BIO 3000, 3001L. Corequisite: BIO 3271L. 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 Advanced Anatomy and Physiology II

Prerequisite: BIO 3100. Function of organ systems. Physiology of the muscular, endocrine, cardiovascular, respiratory, digestive, nervous, lymphatic, reproductive, and urinary systems. *Lecture, 3 hours. Credit: 3 semester hours.*

3301L Advanced Anatomy and Physiology Laboratory

Prerequisite: BIO 3100. Advanced principles of human anatomy and physiology in a laboratory setting. *Laboratory, 3 hours. Credit: 1 semester hour. Laboratory fee, \$100.*

3320 Genetics

Prerequisite: BIO 3000, 3001L. Corequisite: BIO 3321L, 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.*

3360 Foundations of Physical Chemistry for Life Sciences

Prerequisite: CHE 1220; MTH 1220 or 1740; PHY 1620 or 1940. Review of thermodynamics, kinetics, quantum mechanics, and spectroscopy for students in the life sciences. *Credit: 3 semester hours.*

3370 Ecology

Prerequisite: BIO 1000 or consent of instructor. Corequisite: BIO 3371L. Ecological principles concerning animals and plants, with emphasis on group phenomena, especially the dynamics and evolution of ecosystems, communities and populations. *Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$100.*

3390 Biochemistry

Prerequisite: BIO 3000 and CHE 2230 or CHE 2630. Corequisite: BIO 3391L. 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 3461L. 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, 3390. Corequisite: BIO 3471L. 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, 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. *Graded on a pass/fail basis only. Credit: 1 semester hour.*

4420 Inquiry-based Genetics

Prerequisite: BIO 2000, 2001L, and consent of instructor. Corequisite: BIO 4421L. 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.*

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 per semester.*

Chemistry (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 1111L and 1112R are corequisites for CHE 1110. CHE 1121L and 1122R are corequisites for CHE 1120. CHE 1131L and 1132R 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.*

1210 General Chemistry I

Prerequisite: CHE 1100 (or another prior CHE course). Corequisite: CHE 1211L, 1212R. 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.*

1220 General Chemistry II

Prerequisite: CHE 1110, or 1210, or 1310. Corequisite: CHE 1221L, 1222R. 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.*

1310 Advanced General Chemistry I

Prerequisite: At least one year of chemistry and one year of pre-calculus in high school. Corequisite: CHE 1313L, MTH 1730. Principles and concepts of chemistry emphasizing quantum mechanics, thermodynamics, physical properties of solids, liquids and gases, equilibria, acids and bases. *Lecture, 3 hours. Credit: 3 semester hours.*

1313L Advanced General Chemistry I: Laboratory and Recitation

Prerequisite: At least one year of chemistry in high school. Corequisite: CHE 1310, MTH 1730. 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. Credit: 2 semester hours. Laboratory fee, \$100.*

1320 Advanced General Chemistry II

Prerequisite: CHE 1310 or 1110 with consent of instructor or 1210 with consent of instructor. Corequisite: CHE 1323L. 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. Credit: 3 semester hours.*

1323L Advanced General Chemistry II: Laboratory and Recitation

Corequisite: CHE 1320. A continuation of 1313L 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 hours. Laboratory fee, \$100.*

2230; 2240 Organic Chemistry I; II

Prerequisite: CHE 1220 or 1320. CHE 2230 or CHE 2630 is a prerequisite for CHE 2240. *Corequisite:* CHE 2231L is a corequisite for CHE 2230. CHE 2241L is a corequisite for CHE 2240. 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. Credit: 5 semester hours per semester. Laboratory fee, \$100 per semester.*

2630; 2640 Advanced Organic Chemistry I; II

Prerequisite: CHE 1320 or 1220 with consent of instructor. CHE 2630 or 2230 with consent of instructor is a prerequisite for CHE 2640. *Corequisite:* CHE 2633L is a corequisite for CHE 2630. CHE 2643L 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 per semester.*

2633L; 2643L Advanced Organic Chemistry Laboratory and Recitation I; II

Prerequisite: CHE 2633L is a prerequisite for CHE 2643L. *Corequisite:* CHE 2630 is a corequisite for CHE 2633L. CHE 2640 is a corequisite for CHE 2643L. 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 per semester. Laboratory fee, \$100 per semester.*

3000 Chemistry Seminar

Prerequisite: CHE 2230 or 2630. 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

Prerequisite: CHE 2240 or 2640, and 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

Prerequisite: CHE 2240 or 2640, and 3210 or consent of instructor, and MTH 1740, and PHY 1620 or 1940. *Corequisite:* 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 or 1320. *Corequisite:* CHE 3251L. 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

Prerequisite: CHE 2240 or 2640. Advanced topics in organic chemistry covering various aspects of structure and bonding theory, synthesis,

mechanisms, and spectroscopy. *Credit: 3 semester hours.*

3270 Physical Chemistry I

Prerequisite: CHE 2240 or 2640, and MTH 1220 or 1740, and PHY 1940. Kinetic theory of gases, thermodynamics of pure substances, mixtures and chemical reactions, chemical kinetics. Particular emphasis will be placed on processes under nonstandard state conditions. *Credit: 3 semester hours.*

3280 Physical Chemistry II

Prerequisite: CHE 3270, MTH 1740. *Corequisite:* CHE 3320. Introduction to quantum mechanics and approximate methods; introduction to atomic and molecular spectroscopy and introduction to statistical thermodynamics. *Credit: 3 semester hours.*

3290 Supramolecular Chemistry

Prerequisite: CHE 2240 or CHE 2640. Organomolecular interactions; non-covalent forces, synthetic systems/analytical techniques for probing same. Includes materials science, biomimetic chemistry, nanoscience. Assessed by mandatory research presentations. *Credit: 3 semester hours.*

3300 Instrumental Methods of Chemical Analysis

Prerequisite: CHE 3250, and 3220 or 3280. *Corequisite:* CHE 3301L. 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, electro-chemical methods. *Lecture, 2 hours. Laboratory, 6 hours. Credit: 4 semester hours. Laboratory fee, \$100.*

3320 Experimental Physical Chemistry

Corequisite: CHE 3321L, 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 2240 or 2640. The application of the principles and tools of organic chemistry to the understanding of biological processes involving proteins, nucleic acids and carbohydrates. *Lecture, 3 hours. Credit: 3 semester hours.*

3340 Advanced Inorganic Chemistry

Prerequisite: CHE 3220 or 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.*

3360 Physical Chemistry for Life Sciences

Prerequisite: CHE 1220 or 1320; MTH 1740; PHY 1940. Review of thermodynamics, kinetics, quantum mechanics, and spectroscopy for students in the life sciences. *Credit: 3 semester hours.*

3390 Biochemistry

Prerequisite: BIO 3000, 3001L, and CHE 2230 or 2630, or consent of instructor. *Corequisite:* CHE 3391L. 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 or 1320. 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. Laboratory fee, \$100.*

3440 Introduction to Inorganic Synthesis

Prerequisite: CHE 3340. *Corequisite:* CHE 3441L. An introduction to the techniques and methods utilized in the synthesis and characterization of inorganic compounds. *Laboratory, 5 hours. Credit: 2 semester hours. Laboratory fee, \$100.*

3450 Biological Inorganic Chemistry

Prerequisite: CHE 2240 or 2640. Applications of inorganic chemistry to biological systems with a focus on bonding, structure, and reactivity. *Lecture, 3 hours. Credit: 3 semester hours.*

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 per semester. Laboratory fee, \$100 per semester.*

4903 Chemistry Internship

Prerequisite: CHE 2240 or 2640, and consent of instructor. This course provides credit for a well-designed program of 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.*

Chinese (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. *Credit: 3 semester hours per semester.*

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. *Credit: 3 semester hours per semester.*

Classics (CLS)

1210 Classical Mythology

The study of myth, its nature and uses as manifested in the Greek and Western traditions. *No knowledge of classical language is required. Credit: 3 semester hours.*

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.*

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.*

3600 Classical Epic in Translation

A survey of Greek and Roman epic with all readings from ancient primary sources. *Credit: 3 semester hours.*

3605 Ancient Comedy

A survey of Greek and Roman comedy with all readings from ancient primary sources. *Credit: 3 semester hours.*

Communication Sciences and Disorders (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

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 normally developing 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, 1740, 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.*

1820 Neurological Bases of Normal Human Communication and Balance

Prerequisite: CSD 1710, 1720, 1730, 1740, 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.*

2710 Writing for Research and Clinical Practice

Prerequisite: CSD 1710, 1720, 1730, 1740, or permission of the department. Writing research, clinical and professional documents in communication sciences and disorders. *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 Language Disorders across the Lifespan

Prerequisite: CSD 1710, 1720, 1730, 1740, or permission of the department. Disorders of language in pediatric, adolescent, and geriatric populations. *Credit: 3 semester hours.*

2770 Speech Disorders across the Lifespan

Prerequisite: CSD 1710, 1720, 1730, 1740, or permission of the department. Disorders of speech in pediatric, adolescent, and geriatric populations. *Credit: 3 semester hours.*

2775 Language-Based Learning Disabilities

Prerequisite: CSD 1730 or permission of the department. Language development, disorders, and 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.*

2780 Aural Rehabilitation for the Hearing Impaired Child

Prerequisite: CSD 1740, 2750, 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. *Not applicable to the speech pathology audiology major. Credit: 3 semester hours.*

2810 Observation Skills in Speech-Language Pathology and Audiology

Prerequisite: CSD 2760 or 2770, or permission of the department. 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.*

4810 Clinical Practicum in Audiology

Prerequisite: CSD 1740, 2750, 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.*

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

Prerequisite: CSD 2760, 2770, or permission of the department. Contemporary issues in communication sciences and disorders. Research tools for advanced study and professional growth; research design, tests and measurements, statistical analysis and computer applications. *Credit: 3 semester hours.*

Communication Studies (CMC)

1005 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 College of Pharmacy and Health Sciences students. Credit: 3 semester hours.*

1010 Debate in Global Contexts

Prerequisite: SPE 1000. 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.*

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.*

2010 Rhetoric of Sports

Examination of the rhetorical aspects of sports as a civic phenomenon, contributing to political discussions of public policy and conceptions of race, class, and gender. *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 1000. 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.*

2035 Public Memory

Students will gain an understanding of public memory construction as a function of language and culture. *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 1000. 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.*

2070 Strategic Communication

Prerequisite: SPE 1000. This course provides practice and instruction in business specific rhetorical situations. *Credit: 3 semester hours.*

2080 Media and Culture

Studying the relationship between media, communication, and culture; analyzing the operation of communication technologies and critically questioning the media. *Credit: 3 semester hours.*

2100 Transnational Feminist Rhetoric

Examines texts produced by feminist movements around the globe through the lens of rhetorical theory and criticism. *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.*

2120 Race, Communication, and Identity

Race, Communication, and Identity explores how communication creates, maintains, and transforms racial identities within macro and micro contexts and examines race-related social justice issues. *Credit: 3 semester hours.*

2130 Race, Communication, and Surveillance

Explores the role of communication and race in policing as applied to People of Color; examines racial narratives constructed about POC, and their larger communicative impact on race-related social justice issues and policing Black and Brown bodies. *Credit: 3 semester hours.*

2150 Communication in Close Relationships

Introduces students to both classic and cutting edge theory and research dealing with communication in close relationships, including relationship formation, romantic conflict, relationship maintenance, jealousy, romantic termination and other topics in the dark side of communication. *Credit: 3 semester hours.*

2170 Environmental Communication

Explores the role of communication in emerging and established ideologies and practices of environmental communication including climate change, conservation, and sustainability. *Credit: 3 semester hours.*

2200 Political Communication

Examines the performance of politics through communicative practices, including the study of campaign discourse, communication technology, media influence, and political styles in political campaigns. *Credit: 3 semester hours.*

2225 Communicative Leadership Through Conflict Management

Explores the role of communication in emerging and established ideologies in practices of organizational leadership and conflict management. *Credit: 3 semester hours.*

2250 Crisis Communication

Examines the communicative concerns and rhetorical strategies involved in crafting ethical and effective responses—to diverse publics, online and off—before, during, and after crisis. *Credit: 3 semester hours.*

3120 The Free Speech Tradition in the United States

A rhetorical and argumentative investigation into the meaning of the Free Speech Tradition within the United States. *Credit: 3 semester hours.*

3130 Foundations of Rhetorical Theory

Prerequisite: SPE 1000. 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. *Credit: 3 semester hours.*

3180 Legal Argumentation

Prerequisite: SPE 1000. This course is designed to study argumentation that occurs within the law. Students receive training in both the theory and

practice of persuasive legal argumentation. *Credit: 3 semester hours.*

3190 Rhetoric of Religion

The role of religious discourse in relation to the rhetorical tradition and contemporary society. The study of the intersection of religious rhetoric and socio-political issues. *Credit: 3 semester hours.*

4000 Special Topics Seminar

Restricted registration. Research and discussion on select topics and problems. *Credit: 3 semester hours.*

4903 Internship in Speech 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 (sixteen hours per week) with practical application in communication or theatre under 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.*

4990 Senior Seminar

Survey of contemporary communication research methods from a variety of theoretical perspectives. Recommended for juniors and seniors. *Credit: 3 semester hours.*

Computer Science (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 Computer Programming with Applications I

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.*

1030 Machine Learning for Everyone

Beginners course in Machine Learning, containing an introduction to the Python programming language. *Credit: 3 semester hours.*

1350 Commercial Computing

Prerequisite: MTH 1050 or upper level MTH course or approval of Chair. Applications of programming in business. Python is used to reinforce logical concepts process flow, control structures, proper programming and application development practices, including documentation. *Credit: 3 semester hours.*

1380 Introduction to Computer and Data Science

Programming and algorithmic thinking. Languages include Python, R. Problem sets inspired by biology, chemistry, and neuroscience. *Credit: 3 semester hours.*

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

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.*

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. 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 1380 or 1400. Rational, hierarchical and network data base system, file organization and access techniques; query and update languages; data security and integrity. *Credit: 3 semester hours.*

2500 Data Security and Cryptography

Prerequisite: CSC 1380 or 1390 or 1400, or permission of chair. Basics of and history of cryptography; main ideas, methods, and standard approaches to data security and cryptography. Elements of number theory and its applications to cryptography. *Credit: 3 semester hours.*

2510 Foundations of Data Science

Prerequisite: MTH 1220 or 1260 or 1320 or 1730. Dimensionality reduction; singular value decomposition; optimization; sampling; random graphs; random walks; Markov chains; spectral graph theory; clustering. *Credit: 3 semester hours.*

2520 Quantum Computing and Quantum Information Science

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) and one computing course (CSC 1030, 1380, 1390, or 1400) or permission of chair. Foundation for understanding what quantum computers do, provides quantum computing experience. *Credit: 3 semester hours.*

2580 Design and Analysis of Algorithms

Prerequisite: MTH 1220 or 1260 or 1320 or 1730 or permission of chair. Study of the notion of an algorithm, its running time and complexity; general approaches to algorithm design; efficient algorithms for a variety of problems. *Credit: 3 semester hours.*

2590 Introduction to Machine Learning

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) and one computing course (CSC 1030, 1380, 1390, or 1400) or permission of chair. Machine learning concepts, techniques, algorithms such as classification, linear regression, and emerging topics such as boosting, SVM, Bayesian networks, reinforcement and deep learning. *Credit: 3 semester hours.*

2600 Machine Learning, Neural Networks, and Deep Learning

Prerequisite: One calculus course (MTH 1009, 1220, 1260, 1320, or 1730). Neural Networks and Deep

Learning concepts, techniques, algorithms such as perceptron, Neural Networks (NN), backpropagation, convolution NN, recursive NN, autoencoders, deep reinforcement learning. *Credit: 3 semester hours.*

2620 Machine Learning for Finance

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) and one computing course (CSC 1030, 1380, 1390, or 1400) or permission of chair. Neural Networks and Deep Learning concepts and techniques; algorithms such as perceptron, Neural Networks (NN), back-propagation, convolution NN, recursive NN, auto encoders, deep reinforcement learning. *Credit: 3 semester hours.*

2720 Computability and Automata

Prerequisite: One calculus course (MTH 1009, 1220, 1260, 1320, or 1730). Models of computation, notions of languages, finite state automata, regular languages, context-free languages, pushdown automata. Turing machines, time complexity, NP-completeness. *Credit: 3 semester hours.*

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.*

4906 Internship in Computer Science

Restricted registration. Fieldwork (sixteen 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: 6 semester hours.*

4980 Independent Research in Machine Learning and Artificial Intelligence

Prerequisites: MTH 1740, 3320 or equivalent, and six semester hours in MTH or CSC, or approval of chair. Qualified Mathematics /Computing majors, Mathematics minors, Data Science minors, interdisciplinary students undertake directed research in a chosen field of Machine Learning and Artificial Intelligence. *Open to students with at least 3.0 overall GPA. Credit: 1-3 semester hours.*

4990 Seminar in Computer Science

Restricted registration. Reading, discussion, and investigation of special topics in computer science. *Credit: 3 or 4 semester hours.*

Critical Race and Ethnic Studies (CRES)

1000 Introduction to Critical Race and Ethnic Studies

Students learn critical race and ethnic studies perspectives; analysis of racial/ethnic group formation, discrimination, stratification as central to global forms of modernity. *Credit: 3 semester hours.*

2000 Methods in Critical Race and Ethnic Studies

Examination of methodologies and strategies for including knowledges of Indigenous, Latin American, African, and Asian peoples and their diasporas. *Credit: 3 semester hours.*

3000 Anti-Blackness Around the Globe

Prerequisite: CRES 1000 or permission of instructor. Examines ideologies of Blackness and anti-Blackness across the globe, their spread through social movements and their impact on racial and ethnic formations. *Credit: 3 semester hours.*

3050 Comparative Racializations: Blackness, Indigeneity, Asianness, and Latinidad

Prerequisite: CRES 1000. Provides comparative analyses of race and ethnic group formation as central to structures of gender, sexuality, class, and colonialism through the perspective of critical race and ethnic studies. *Credit:* 3 semester hours.

3410 Racial Capitalism and Political Economy

Covers origins, social consequences, and political implications of contemporary economic systems; and the critical thought and activism of modernity's structurally marginalized populations. *Credit:* 3 semester hours.

3510 BIPOC Feminist Science and Technology Studies

Introduction to field of feminist science and technology studies through BIPOC (Black, Indigenous, People of Color) and Global South feminist scholars. *Credit:* 3 semester hours.

4995 Capstone Seminar in Critical Race and Ethnic Studies

Students learn critical race and ethnic studies perspectives; and analyses of racial/ethnic group formation, discrimination, and stratification as central to global forms of modernity. *Credit:* 3 semester hours.

4999 Internship/Externship

Prerequisite: CRES 1000, 2000. Students develop deeper understandings of structural racism, associated forms of oppression, and elements of racial justice through participation in a social/racial justice organization or institution. *Credit:* 3 semester hours.

English (ENG)**1040 Writing for Business**

An exploration of common professional forms of writing and communication, including critical responses to professional and business-oriented readings. *Credit:* 3 semester hours.

1100 Literature in a Global Context

Introduction to the study of literary texts, both as an end in itself and as a bridge to other ways of knowing and being in the world. Readings will come from a variety of time periods, literary traditions, regions, and genres. *Credit:* 3 semester hours.

2060 Introduction to American Literature

A study of various texts, authors, genres, and themes in American literature and culture. May vary according to instructor interest or specialization. *May count toward ENG pre-1900 requirement depending on approval of the instructor and chairperson. 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.

2200 Reading and Writing for the English Major

A foundation course introducing majors to disciplinary practices in English. Restricted to English majors and minors. Strongly suggested as first course in the major, not including the university core course, ENG 1100. *Credit:* 3 semester hours.

2210 Introduction to British Literature

A study of various texts, authors, genres, and themes in British literature and culture. May vary according to instructor interest or specialization. *May count toward ENG pre-1900 requirement depending on approval of the instructor and chairperson. Credit:* 3 semester hours.

2300 Topics in Theory

An introduction to critical theory, with emphasis on contemporary literary theory and its applications in the world. Topics may reflect instructor specialization or interests. *Credit:* 3 semester hours.

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.

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.

3170 Milton

A study of Milton's poetry and selected prose. *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. *Credit:* 3 semester hours.

3200 Eighteenth-Century English Literature

A survey of authors, genres, media, and geographies, focused through one or more of the pressing questions that structured the varied textual culture of 1660-1820. *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 novel genre and the literary, cultural, and global contexts of its emergence during the 18th century. *Credit:* 3 semester hours.

3230 Nineteenth-Century Novel

A study of the various genres of Romantic and Victorian-era prose fiction, including realism, Gothic, bildungsroman, condition of England, and sensation novels; crime, detective, and science fiction. *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

Victorian poetry, drama, non-fiction, and novel; the culture of the Victorian age (1832-1901) and its enormous social changes. *Credit:* 3 semester hours.

3260 Women Writers of the Nineteenth Century

Nineteenth-century literature written by women—novels, poetry, social criticism, drama, and other forms of non-fiction prose—in their political and cultural contexts. *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.

3280 Early English Feminisms

Literary, philosophical, theological, and abolitionist texts on the status of women in Britain and its colonies from the late 17th through early 19th centuries. *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). *Credit:* 3 semester hours.

3300 Colonial American Literature

A study of the literary movements of the colonial period in America, including the oral traditions of Native America. *Credit:* 3 semester hours.

3310 Antebellum American Literature

A study of pre-Civil War American literature, typically focusing on social reform and the antislavery movement. *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

Literature written by women—novels, poetry, social criticism, drama, and other forms of nonfiction prose—in their political and cultural contexts. *Credit:* 3 semester hours.

3360 Early National American Literature

A study of U.S. literature between the Revolution and the presidency of Andrew Jackson. *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.

3390 Special Topics in American Literature to 1900

A study of special themes and topics in literature and culture, from the colonial period to 1900. *Credit: 3 semester hours.*

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

Post-World War II poetry and its schools, theoretical underpinnings, modernist and alternative roots, and cultural and historical relevance. *Credit: 3 semester hours.*

3470 20th-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 from World War I to the 1930s. *Credit: 3 semester hours.*

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

Writers in translation from the broad expanse of world literature, focusing on the period from 1776 to 1900, with emphasis on revolutions, empire, and literary realism. *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.*

3550 Short Fiction

A study of the major developments of the genre. *Credit: 3 semester hours.*

3560 American Ethnic Literatures

A study of race, literature, and culture in works by African American, Asian American, Native American, and Chicanx writers like Toni Morrison, Maxine Hong Kingston, Leslie Marmon Silko, Gloria Anzaldua, Chang-rae Lee, and others. *Credit: 3 semester hours.*

3570 Women and Literature

An exploration of the categories “women” and “literature,” encompassing texts, performances, and media by authors and artists who think critically about gender and its relationship to creativity, identity, and politics. *Credit: 3 semester hours.*

3580 Postcolonial Literature

Introduction to poetry, fiction, and creative nonfiction from the formerly colonized nations of Africa, South Asia, and the Caribbean, with an emphasis on how writers deploy voice, symbolism, form, and plot in order to recognize and move past the legacy of colonialism. *Credit: 3 semester hours.*

3590 Literature and the Other Arts

Selected world, English, and/or American literary texts evaluated in relation to works of music, painting, sculpture, dance, theater, writings in the sciences and humanities, fashion, film, performance, and/or other arts. *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.*

3605 Ancient Comedy in Translation

Selected plays of the ancient Greek and Roman playwrights: Menander, Aristophanes, Plautus, and Terence. *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.*

3645 Comparative Migration Literature

Fiction, poetry, drama, and literary nonfiction depicting the process of relocating permanently to a new country. *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.*

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. Topics may reflect instructor specialization or interests. *Credit: 3 semester hours.*

3700 The Teaching of Writing

An introduction to composition theory and pedagogy with an emphasis on the multiple contexts in which literacies and writing are used, practiced, learned, and taught. *Credit: 3 semester hours.*

3710 Creative Writing Across Genres

A course designed to help develop creative writing skills, with emphasis on traditional and contemporary forms of poetry, fiction, nonfiction, and drama. *Credit: 3 semester hours.*

3720 Creative Nonfiction Workshop

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

3730 Poetry Workshop: Expression and Experiment

Writing workshop on poetry and poetics. *Credit: 3 semester hours.*

3740 Fiction Writing Workshop

Writing workshop on fiction and fiction theory. *Credit: 3 semester hours.*

3750 Literary Journalism

Students will practice fieldwork and report on social, political, and cultural topics that matter to them. *Credit: 3 semester hours.*

3760 Writing as Social Action

Students engage in creative work that draws direct influence from social action readings. *Credit: 3 semester hours.*

3770 Writing the Short Story

This creative writing class focuses on the short story, its history, and its possibilities. *Credit: 3 semester hours.*

3780 Poetry Workshop: Expansive Practices

This creative writing course focuses on generative, extended poetry practices in a language art studio setting. *Credit: 3 semester hours.*

3790 Professional Writing

A class exploring the literacies, writing practices, and texts of professionals in varied contexts and settings. *Credit: 3 semester hours.*

3795 Writing about Science

This class is for writers interested in science and scientists interested in writing. Students will study, produce, and critique writing by and about the sciences. *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.*

3830 Topics in Film Authors

A study of films of a single director, and the intersection of those films with the director's historical, cultural, and industrial conditions. *Credit: 3 semester hours.*

3880 English Studies in the Digital Age

This course investigates how digital technologies impact the way we read and write; it also 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.*

4903 Internship in English and Related Fields

Restricted registration. Internship opportunities (8 hours per week) for English majors to gain professional experiences and to develop professional networks. Students may explore an array of fields and industries that may set the foundation for future careers. *Credit: 3 semester hours.*

4906 Internship in English and Related Fields

Restricted registration. Internship opportunities (16 hours per week) for English majors to gain professional experiences and to develop professional networks. Students may explore an array of fields and industries that may set the foundation for future careers. *Credit: 6 semester hours.*

4953 Independent Study

Restricted registration. Independent research in an area of the student's own selection under the advisement of a faculty member. *Credit: 3 semester hours.*

4991 Capstone Seminar in British Literature and Culture

Prerequisite: ENG 2200, 2300. This course invites students bring together the methodologies, skills, and knowledge they developed in the major. Topics may reflect instructor specialization or interests. *Students may take more than one seminar. Students are strongly advised to take the capstone seminar in their final year of study. Credit: 3 semester hours.*

4992 Capstone Seminar in American Literature and Culture

Prerequisite: ENG 2200, 2300. This course invites students bring together the methodologies, skills, and knowledge they developed in the major. Topics may reflect instructor specialization or interests. *Students may take more than one seminar. Students are strongly advised to take the capstone seminar in their final year of study. Credit: 3 semester hours.*

4993 Capstone Seminar in Special Authors, Methods, or Texts

Prerequisite: ENG 2200, 2300. This course invites students bring together the methodologies, skills, and knowledge they developed in the major.

Topics may reflect instructor specialization or interests. *Students may take more than one seminar. Students are strongly advised to take the capstone seminar in their final year of study. Credit: 3 semester hours.*

4994 Capstone Seminar in Themes/Genres

Prerequisite: ENG 2200, 2300. This course invites students bring together the methodologies, skills, and knowledge they developed in the major. Topics may reflect instructor specialization or interests. *Students may take more than one seminar. Students are strongly advised to take the capstone seminar in their final year of study. Credit: 3 semester hours.*

English as a Second Language, Speaking (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. *Grading on pass-fail basis only. Credit: 3 semester hours.*

1300 Oral/Aural Communication: Advanced Level Listening/Speaking

Prerequisite: ESLS 1200 or advanced level on-site test scores. This course provides instruction in listening comprehension and speaking through training in conversational fluency, presentations and error reduction. *Credit: 3 semester hours.*

English as a Second Language, Writing (ESLW)**0400 Special Writing**

Prerequisite: Permission of the coordinator. Language instruction tailored to the needs of the participants. *No credit.*

1100 English as a Second Language: Low Intermediate Level Reading/Writing

Prerequisite: Low intermediate level on-site placement test scores and TOEFL/IELTS scores. Corequisite: ESLW 1100 Workshop. Language instruction in reading and writing, focusing on rhetoric and grammar. Open to select non-native English speakers requiring more intensive instruction. *Grading on pass-fail basis only. Credit: 3 semester hours.*

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.*

1300 English as a Second Language: Advanced Level Reading/Writing

Prerequisite: ESLW 1200 or advanced level on-site test scores. This course provides language instruction through a study of complex grammatical structures, writing essays in a variety of rhetorical formats, readings and vocabulary materials through culturally relevant materials. *Credit: 3 semester hours.*

Environmental Studies (ESP)**1010 Introduction to Ecological Principles**

Principles governing the relationships between organisms and their environment. Spatial and temporal organization of ecosystems and distribution of biotic communities are emphasized. *Credit: 3 semester hours.*

1020 Methods of Environmental Analysis-Practicum

Prerequisite: ESP 1010. 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.*

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.*

2020 Geographic Information Systems: An Introduction to GIS and Remote Sensing

An interdisciplinary exploration of GIS with exposure to various aspects of analysis including: data structure, spatial analysis, data management, data visualization, data retrieval, and GPS. *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.*

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.*

2210 Science Technology Engineering Mathematics Seminar I

Prerequisite: One BIO, CHE, MTH, PHY, or SCI 1000 course. An interdisciplinary seminar to address a major global issue and develop a solution to one aspect of the issue. *Permission of the ESP Director is required. Credit: 1 semester hour.*

2220 Science Technology Engineering Mathematics Seminar II

Prerequisite: ESP 2210. An interdisciplinary seminar to address a major global issue and develop a solution to one aspect of the issue. *Permission of the ESP Director is required. Credit: 2 semester hours.*

2310 Botany

Prerequisite: BIO 1000, 1001L. Corequisite: BIO 2311L. The biology of plants: their morphology, evolution, and classification. *Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, \$100.*

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 2511L. 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.*

2990 Environmental Studies Seminar

Introduction to the environmental studies major, including the subfields of environmental studies, research methods, communication skills, and understanding career opportunities. *Credit:* 3 semester hour.

3320 Resource Management

An analysis of the goals, principles, methods and ecological measures currently employed by natural resource managers. *Credit:* 3 semester hours.

3370 Ecology

Prerequisite: BIO 1000 or consent of instructor. *Corequisite:* BIO 3371L. Ecological principles concerning animals and plants, with emphasis on group phenomena, especially the dynamics and evolution of ecosystems, communities, and populations. *Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit:* 4 semester hours. *Laboratory fee, \$100.*

3420 Environmental Chemistry

Prerequisite: CHE 1220 or 1320. 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.

3480 Environmental Geology

Prerequisite: Sophomore 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.

4000 Special Topics in Environmental Studies

Special topics will engage students in emerging environmental topics, such as climate change, environmental justice, environmental geography, waste management, and case studies in environmental justice. *Credit:* 3 semester hour.

4903; 4906 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 to 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 Director of the Environmental Studies program 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.

First Year Seminar (FYS)

1000 First Year Seminar

The First Year Seminar explains the concept of global citizenship and explores living in a world marked by globalized forms of economic, political, and social interconnections. *Credit:* 3 semester hours.

First Year Writing (FYW)

1000 First Year Writing

This course 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. *Credit:* 3 semester hours.

French (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 beginner's level within the context of French culture. *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 beginner's level within the context of French culture. *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 beginner's level within the context of French culture. *Credit:* 3 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. *Credit:* 3 semester hours.

2040 Intermediate French Conversation

Prerequisite: FRE 2030 or permission of chair. 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. *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.

3090; 3100 Masterpieces of French Literature I; II

Prerequisite: FRE 2040 or 2050, or permission of chair. 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 French Revolution to the 20th century. *Credit:* 3 semester hours per semester.

3110; 3120 Advanced French Conversation

Prerequisite: FRE 2040 or 2050, or permission of chair. 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 per semester.

3150 Review of French Grammar

Prerequisite: FRE 2040 or 2050, or permission of chair. 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. *This course may not be taken after the successful completion of 3870 or 3880. Credit:* 3 semester hours.

3260 History of French and Francophone Cinema

Prerequisite: FRE 2040 or 2050, or permission of chair. 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 Film Media Culture

Prerequisite: FRE 2040 or 2050, or permission of chair. 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.

3550; 3560 Civilization of France I; II

Prerequisite: FRE 2040 or 2050, or permission of chair. The history, geography, arts, science, folklore, politics, and customs that have contributed to the shaping of French civilization and culture. Part I covers the history and civilization of France from the origins to 1789. Part II covers French history and civilization from 1789 to the present. *This*

course is conducted in French. Credit: 3 semester hours per semester.

3570 Urban Culture in Contemporary France

Prerequisite: FRE 2040 or 2050, or permission of chair. 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.

3620 Paris in the French Culture

Prerequisite: FRE 2040 or 2050, or permission of chair. 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.

3820 French Afro-Caribbean Literature and Culture

Prerequisite: FRE 2040 or 2050, or permission of chair. An introduction to the major contemporary writers of the French-speaking Antilles and Sub-Saharan Africa. Credit: 3 semester hours.

3830 French and Francophone Women Writers

Prerequisite: FRE 2040 or 2050, or permission of chair. 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's and Gender Studies minor. Credit: 3 semester hours.

3840 Survey of Francophone Literature

Prerequisite: FRE 2040 or 2050, or permission of chair. Survey of contemporary Francophone literature, critical, and theoretical texts to examine various cultures outside of France through a literary lens. Credit: 3 semester hours.

3860 Human Rights and Globalization in Francophone Africa

Prerequisite: FRE 2040 or 2050, or permission of chair. Selected texts of contemporary Francophone Africa, critical, and theoretical texts to examine global structures and human rights issues through a literary lens. Credit: 3 semester hours.

3870; 3880 Advanced French Grammar and Composition I; II

Prerequisite: FRE 2040 or 2050, or permission of chair. 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 per semester.

3900 Art and Skills of Translation

Prerequisite: FRE 3870 or 3880, or permission of 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.

3901 Francophone Literature (ENG)

This course examines the cultures and the literatures of French-speaking countries outside of France, including French Canada, the French Caribbean, French Guiana, Haiti, Mauritius, North Africa and the Middle East, Sub-Saharan Africa and Madagascar, but also Switzerland, and many more. Course conducted in English and is not applicable to the French major or minor. Credit: 3 semester hours.

3902 Women Writers in France (ENG)

A study of the rich and diverse literary works of French women writers from the 12th century to the present, the changing sociological and historical context and their common issues and themes that constitute a female tradition. Course conducted in English and is not applicable to the French major or minor. Course is an elective for the Women's and Gender Studies minor. Credit: 3 semester hours.

3920 Human Rights in Francophone Africa (ENG)

The course examines Francophone African literature in the context of human rights and globalization. The approach is interdisciplinary, giving the students a historical, political, and economic background of French-speaking countries in Africa. Course conducted in English and is not applicable to the French major or minor. Credit: 3 semester hours.

3921 History of French Cinema since WWII (ENG)

This course features the study of the development of French cinema from its beginnings in 1895 through the present day. Course conducted in English and is not applicable to the French major or minor. Credit: 3 semester hours.

3930 Paris in the French Culture (ENG)

A study of the development of Paris from its founding to the present, its contributions to French culture including urban history, social history, literature, painting, music, and theater. Course conducted in English and is not applicable to the French major or minor. Credit: 3 semester hours.

4903 Internship

Prerequisite: 3110 or 3120, or permission of chair. Total immersion experience in a field of interest chosen by the student in New York where the target language is spoken. Credit: 3 or 6 semester hours.

4953 Independent Study

Prerequisite: FRE 2040 or 2050, or permission of 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 (France)

Prerequisite: FRE 3110 or 3120, or permission of chair. Total immersion experience in the field of interest chosen by the student. Credit: 3 or 6 semester hours.

Geography (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.

German (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. Only offered through the College Advantage Program. 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. Only offered through the College Advantage Program. 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. Only offered through the College Advantage Program. Credit: 3 semester hours.

Global Development and Sustainability (GDS)

1000 Theories in Global and Sustainable Development

Foundation in theories of global and sustainable development. The course includes evaluation of development theories in relation to contemporary best practices in a variety of global contexts. Credit: 3 semester hours.

2000 Health, Food, and the Environment

Critically evaluates through the lens of social justice and the synergistic relationship between health, food, water, and environmental systems in the context of sustainable global development. Credit: 3 semester hours.

4980 Internship

Fieldwork where students have the opportunity to work in development and sustainability organizations at home or abroad under the supervision and counseling of a faculty member. Credit: 3 semester hours.

4990 Capstone Seminar in Global and Sustainable Development

Integrates the academic and experiential learning of each student. Presentation of capstone projects with a conceptual framework. Credit: 3 semester hours.

Government and Politics (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 four 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.*

2000 Introduction to International Conflict Resolution and Reconciliation

An introduction to theories of conflict analysis, management, and resolution, with emphasis on the application of these theories to address political violence. *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: Consent of 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.*

2614 Politics in France

French political transformations from 1789 to 1958; establishment of the Fifth Republic; and France's relationship to politics in other Francophone countries. *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.*

2860 Transnational Gender Politics

Theories and practices of gender politics, feminism, and anti-feminism at the international and transnational level. *Credit: 3 semester hours.*

2950 Workshop on Political Campaigning (Mini-Course)

The application of principles of campaigning during a simulated election campaign; roles of citizen and party candidate selection, campaign organization, funding, election day and post elective activities. *Credit: 3 semester hours.*

3280 The Politics of Migration

The politics, policy, and patterns of national and transnational migration, especially the causes and the effects on the economy, security, social harmony, assimilation, and integration. *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.*

3340 Arms Races and Arms Control

This course investigates the origins and implications of arms races in the context of

international relations theory and values 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 American Politics

The process of opinion formation; role of public opinion in politics; propaganda and public relations; measurement of public opinion; role of pressure groups; public opinion and current political issues. *Credit: 3 semester hours.*

3540 Research Methods in Political Science and Public Administration

Prerequisite: GOV 1530. An examination of problem definition, developing concepts and variables, hypothesis testing and the use of quantitative techniques in public administration and political science. *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.*

3640 Nuclear Strategy in a Complex World

Prerequisite: GOV 1610. Role of nuclear weapons in the national security strategy of states and their impact on the international system. *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.*

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.*

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 semester 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 semester 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 and approval of the chair. Open to juniors and seniors only. Guided research and reading on an individual basis. *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. Readings, reports, and discussions on

topics in American Government, under supervision of the faculty member. *Limited to government and politics majors in their senior year and juniors with permission of the Chair. Credit: 3 semester hours.*

4992 Seminar in International Relations

Prerequisite: GOV 1610 and at least three credits from among: 2640, 2650, 2660, 2690, 2750, 2810, 3620, 3630, 3710, 3720, 3820. Readings, reports, and discussions on topics in International Relations, under supervision of the faculty member. *Limited to government and politics majors in their senior year and juniors with permission of the Chair. Credit: 3 semester hours.*

4993 Seminar in Comparative Government

Prerequisite: At least six credits from among: 1700, 2650, 2660, 2690, 2750, 3680, 3710, 3720. Readings, reports, and discussions on topics in Comparative Government, under supervision of the faculty member. *Limited to government and politics majors in their senior year and juniors with permission of the Chair. Credit: 3 semester hours.*

4995 Seminar in Public Administration

Prerequisite: At least six credits from among: GOV 2400, 2420, 2430, 2470, 2480, 2500, 2580, 2955, 3450, 3460, 3570, 3590. Readings, reports, and discussions on topics in Public Administration, under supervision of the faculty member. *Limited to government and politics majors in their senior year and juniors with permission of the Chair. Credit: 3 semester hours.*

Greek, Ancient (GRA)

1010; 1020 Elementary Ancient Greek I; II

Prerequisite: GRA 1010 is a prerequisite for GRA 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.*

2030 Intermediate Ancient Greek I

Prerequisite: GRA 1020. A review and continuation of the grammatical structures presented at the elementary level with illustrative readings taken from ancient authors. *Credit: 3 semester hours.*

4953; 4954 Independent Study

Prerequisite: Permission of chair. Individual guided instruction in either Classical Greek grammar or literature. *Credit: 3 semester hours.*

Greek, Modern (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. *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. *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. *Credit: 3 semester hours.*

Hebrew, Biblical (HBB)

1010 Biblical Hebrew, Level I

An introduction to Hebrew script, basic grammatical concepts, and biblical vocabulary with examples drawn from the Hebrew Scriptures. *Credit: 3 semester hours.*

1020 Biblical Hebrew, Level II

Prerequisite: HBB 1010. A continued introduction to the basic grammatical concepts and vocabulary of biblical Hebrew, with examples drawn from the Hebrew Scriptures. *Credit: 3 semester hours.*

2030 Biblical Hebrew, Level III

Prerequisite: HBB 1020. A continuation of the presentation of grammatical concepts and vocabulary with examples drawn from the Hebrew Scriptures and other texts. *Credit: 3 semester hours.*

2040 Biblical Hebrew, Level IV

Prerequisite: HBB 2030. A continuation of the presentation of grammatical concepts and vocabulary with examples drawn from the Hebrew Scriptures and other texts. *Credit: 3 semester hours.*

History (HIS)

1000 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. *Required for all majors and minors. Credit: 3 semester hours.*

1010 Foundations of World History to 1500

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. *Required for all majors and minors. 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. Counts as a history elective but not as part of the U.S. History requirement for the major. *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. Counts as a history elective but not as part of the U.S. History requirement for the major. *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.*

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.*

2110 Sports in Modern World History

Global history of modern sport, focusing on its intersections with issues of class, race, gender, business, entertainment, fashion, culture, politics, nationalism, and internationalism. *Credit: 3 semester hours.*

2120 Global Histories of Colonialism

Study of the global histories of colonialism to understand the unequal power structures and an analysis of the experiences and responses of the colonized population. *Credit: 3 semester hours.*

2130 Money and Things: Capitalism in History

Examines the development of the world economy from the Early modern period with a focus on consumption. *Credit: 3 semester hours.*

2141 Disease and Treatment in the Premodern World

Illnesses, diseases, their treatments, and theories of health from human origins to 1500CE and their impacts on political, social, cultural, and economic dimensions of global societies. *Credit: 3 semester hours.*

2142 Disease in Modern World History

Effects of epidemic diseases on the political, social, cultural, economic dimensions of global societies from the Black Death to the present. *Credit: 3 semester hours.*

2300 History of Africa

History of the continent from earliest times to present; pre-history, Mediterranean, Arabic, European, and contemporary re-Africanization; the problem of developing history from both oral tradition and written sources. *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. *Credit: 3 semester hours. Credit: 3 semester hours.*

2302 Contemporary Africa

The African reaction to slavery, colonialism, the birth of nationalism, and the dismemberment of the colonial empires. Problems of nation-building and development in the newly independent states of Africa. *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. *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. *Credit: 3 semester hours.*

2313 History of Colonial South Asia

The social, cultural, and economic history of nineteenth and twentieth century colonial South Asia. *Credit: 3 semester hours.*

2314 History of Contemporary South Asia

This course examines the social, cultural, and economic history of South Asia from 1947 to the present day, with a focus on economic development, gender, and popular culture. *Credit: 3 semester hours.*

2315 History of Resistance in South Asia

Cultures, tactics and effects of popular resistance movements in South Asia and shared connections with resistance movements in United States, Asia and Europe. *Credit: 3 semester hours.*

2316 Globalization in the Indian Ocean Rim

History of the Indian Ocean Rim from 7th century CE to the present. *Credit: 3 semester hours.*

2317 Islam and Politics in South Asia: A Historical Perspective

Study of the political, cultural, and social history of South Asian Muslims during the colonial and postcolonial era. *Credit: 3 semester hours.*

2318 Global South Asians: A Diasporic History

Explores the major historical flows of South Asians to various parts of the globe against the backdrop of colonialism, decolonization, and economic globalization. *Credit: 3 semester hours.*

2320 History of Modern 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.*

2331 Latin America in the Colonial Period

Pre-Columbian background; European discovery and colonization, plantation life, the role of the Church, and the independence movements. *Credit: 3 semester hours.*

2332 History of Contemporary Latin America

Independence from Spain; economic, cultural, religious and political struggles; the caudillos; the relationship with U.S.; Castro era. *Credit: 3 semester hours.*

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.*

2335 Atlantic Revolutions

Examines interrelated political upheavals and their social and cultural effects from 1776 to 1848. *Credit: 3 semester hours.*

2340 History of Ancient Americas

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.*

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. *Credit: 3 semester hours.*

2502 Late Medieval Europe

The economic, political, intellectual and religious developments in Europe from the 12th to the 15th centuries. *Credit: 3 semester hours.*

2511 Renaissance and Exploration

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. *Credit: 3 semester hours.*

2520 Enlightenment and Revolution in Europe

Expansion of early modern European empires and state-building; Enlightenment; French Revolution. *Credit: 3 semester hours.*

2530 Europe in the Nineteenth Century

The Napoleonic Era; the Vienna settlement and the Concert of Europe; the Industrial Revolution; Nationalism; liberalism, conservatism and Socialism as for 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 Europe in the Age of Revolution, 1789–1815

The collapse of the Old Regime; France, from Revolution to Empire; the European Revolution; Napoleon and the reconstruction of Europe. *Credit: 3 semester hours.*

2532 Europe in the Age of Industry, 1815–1871

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. *Credit: 3 semester hours.*

2533 Europe in the Age of Empire, 1871–1914

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. *Credit: 3 semester hours.*

2540 Twentieth Century Europe in a Global Perspective

Cultural, social, and political interactions between Europe and the wider world as seen through migrations, art, music, film, sport, food, and other historical lenses. *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. *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. *Credit: 3 semester hours.*

2550 History of Eastern Europe

Eastern Europe from the 17th century to present.

Russian, Ottoman, and Habsburg empires; nationalism; World War I and II; communism and aftermath. *Credit: 3 semester hours.*

2560 Black Europe

Surveys the presence of people of sub-Saharan African descent in Europe from the early modern period to the present-day. *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. *Credit: 3 semester hours.*

2712 U.S.: Democracy, Slavery, and Expansion, 1790–1859

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. *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.: Money and Machines in the Late Nineteenth Century

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.: World War One and the Great Depression

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.*

2760 History of American Workers

A survey of U.S. labor and working-class history from the 1830s through the present. *Credit: 3 semester hours.*

2770 Immigrants and the United States: A History

A historical examination of the political and cultural ramifications of American immigration, with special attention to the legal controversies of the 20th and 21st centuries. *Credit: 3 semester hours.*

2810 Big History

An epic 13.8-billion-year journey through the origins and evolution of our universe, planet, life, and humanity weaving together the hard sciences and the humanities. *Credit: 3 semester hours.*

2820 Small Histories, Global Implications

Study of small-scale microhistories that question, enhance, or complicate global historical trends, and emphasize difference, diversity, agency, and a multiplicity of stories and truths. *Credit: 3 semester hours.*

2990 Sophomore Seminar: Introduction to History

Restricted registration. Foundation 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 should be taken in their sophomore year unless extenuating circumstances have been approved by the department chair. 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.*

3130 Personalities in History

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 and Social Justice

A survey of the concept of human rights in the modern world, including political, economic, social, religious and cultural rights. *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.*

3190 Environmental History

Topics in environmental history; may include animals, climate, energy, ecological change, and the histories of environmental science and activism. *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.*

3320 Maritime Asia, 1571-1841

East Asia in the “age of silver”, from the opening of Manila and Nagasaki to the Opium War; pirates, samurai, and global capitalism. *Credit: 3 semester hours.*

3321 Nomadic Empires after the Mongols

The history of nomads in Eurasia after the Mongol Empire, including China, Russia, Central and South Asia, and the Middle East. *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.*

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

Development of nationalism in colonial territories. The emergence of nationalist movements; the ideology of African nationalism; Pan-Africanism; African socialism; the struggle for independence. *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.*

3501 Diplomatic History of Europe: Vienna to Versailles

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: Versailles to Brexit

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 the British Isles: Celt to Tudors

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 the British Isles: Empire and Industry

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.*

3531 History of Modern France

History of France from 1789 through present focusing on France as an alternative model for diversity, democracy, and the assimilation of difference. *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. *Credit: 3 semester hours.*

3541 Italy: Race, Culture, and Identity

Investigates the intersection of race, culture, and national identity in Italy from the movement for unification in the mid-19th century to the present day. *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.*

3561 Witches, Wives and Queens: Early Modern European Women

Women and gender in Europe (1500 to 1800); rulership, religion, economic roles, family life, gender norms, witchcraft and early feminism. *Credit: 3 semester hours.*

3562 Women and Gender 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.*

3565 History of Crime and Punishment in Modern Europe

History of crime and punishment 16th-21st centuries; use of torture and execution, changing legal codes and types of offenses, rise of the prison and criminology. *Credit: 3 semester hours.*

3650 Russia: A Cultural and Intellectual History

Cultural and intellectual themes and traditions from Kievan Russia to post-Soviet present, including Orthodoxy, Mongol rule, autocracy, territorial expansion, religious schism, Westernization, the intelligentsia, Orientalism, and Communism. *Credit: 3 semester hours.*

3651 Muscovite Russia: From the Mongols to the Time of Troubles, 1240-1613

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. *Credit: 3 semester hours.*

3652 Romanov Russia: Reforms, Rebellions, and Revolution, 1613-1917

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. *Credit: 3 semester hours.*

3653 Russia: The Soviet Union

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.*

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.*

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.*

3740 The History of the American City

Growth and urbanization and their effects upon modern American life and institutions. *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 New York City: From Wall Street to Main Street

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.*

3810 Oral History & Public History

Prerequisite: HIS 2990. Introduction to the theory and practice of Public and Oral History, and topics include historic preservation, cultural resources management, museum studies, and archival management. *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.*

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 (sixteen hours per week) in selected museums, libraries, historical sites, or other like organizations under coordinated faculty and professional supervision. *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.*

4991 Colloquium in European History

Reading and discussion of selected topics in European history. *Credit: 3 semester hours.*

4993 Colloquium in U.S. History

Reading and discussion of selected topics in U.S. history. *Credit: 3 semester hours.*

4994 Seminar in U.S. History

Research and writing on selected topics in U.S. history. *Credit: 3 semester hours.*

4995 Colloquium in World History

Reading and discussion of selected topics in World History. *Credit: 3 semester hours.*

4996 Seminar in World History

Research and writing on selected topics in World History. *Credit: 3 semester hours.*

4990 Seminar

Prerequisite: HIS 2990 except in extenuating circumstance of a senior approved by department chair. 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.*

Italian (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. *Credit: 6 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. *Credit: 3 semester hours.*

1020 Italian, Level II

Prerequisite: ITA 1010 or permission of chair. 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. *Credit: 3 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. *Credit: 3 semester hours.*

2040 Intermediate Italian Conversation

Prerequisite: ITA 2030 or permission of chair. 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. *Credit: 3 semester hours.*

3080 Italian Contemporary Readings

Prerequisite: ITA 2040 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 3000 level work in Italian language, literature, and culture. *Credit: 3 semester hours.*

3090; 3100 Masterpieces of Italian Literature I; II

Prerequisite: ITA 2040 or 3080, or permission of chair.

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. *These two courses may be taken out of sequence. Credit: 3 semester hours per semester.*

3110; 3120 Advanced Italian Conversation

Prerequisite: ITA 2040 or 3080, 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 hour per semester.*

3150 Review of Italian Grammar

Prerequisite: ITA 2040 or 3080, or permission of chair. 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. *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: ITA 2040 or 3080, 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.*

3500 A Cultural History of the Mafia through Writings and Cinema

Prerequisite: ITA 2040 or 3080, or permission of chair. An in-depth look at the portrayal of the Mafia and its cultural ramifications in literature and film, from its emergence in the Modern World to its Globalization. *Credit: 3 semester hours.*

3520 Italian Culture and the Internet

Prerequisite: ITA 2040 or 3080, or permission of 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 Culture through Food

Prerequisite: ITA 2040 or 3080, or permission of chair. The production, preparation, and consumption of food has played a particularly important role in the development of Italian culture. From the excesses of the Romans' "coene," to the elegance of the Renaissance tables, and today's "Slow Food Movement," it is often through food that Italians have asserted and defended their cultural heritage. *Credit: 3 semester hours.*

3550; 3560 Civilization of Italy I; II

Prerequisite: ITA 2040 or 3080, or permission of chair. The history, geography, art, science, music, literature, folklore, politics, habits, and customs that have contributed to the shaping of Italian civilization and culture. *These two courses may be taken out of sequence. Credit: 3 semester hours per semester.*

3590 Italian Dante and His Times

Prerequisite: ITA 2040 or 3080, 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.*

3600 Contemporary Italy

Prerequisite: ITA 2040 or 3080, or permission of chair. This course studies all aspects of contemporary life in Italy. *Credit: 3 semester hours.*

3710 Trends in Italian Opera

Corequisite: MUS 1075. Survey of the Italian opera and analysis of the historical, cultural, and literary trends in Italian opera. *Credit: 3 semester hours.*

3720 Italian Culture through its Music

Prerequisite: ITA 2040 or 3080, 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.*

3770 Dante and the Search for Social Justice

Prerequisite: ITA 2040 or 3080, or permission of chair. Dante's pursuit of social justice in his works. *Credit: 3 semester hours.*

3810 Advanced Italian for Business

Prerequisite: ITA 2040 or 3080, or permission of chair. Introduction to the language and practices of today's business world. The acquisition of the rules of commercial correspondence and the understanding and analysis of original commercial documents is emphasized. *Credit: 3 semester hours.*

3820 La Divina Commedia

Prerequisite: ITA 2040 or 3080, or permission of chair. Dante's masterpiece, with particular emphasis on its literary and philosophical significance. *Credit: 3 semester hours.*

3830 Women Writers in Italy

Prerequisite: ITA 2040 or 3080, or permission of chair. The course studies both the changing sociohistorical context of Italian women writers and their common issues and themes that constitute a female tradition in Italy. *Credit: 3 semester hours.*

3870; 3880 Italian Advanced Grammar and Composition I; II

Prerequisite: ITA 2040 or 3080, 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. *These two courses may be taken out of sequence. Credit: 3 semester hours per semester.*

3900 Art and Skills of Translation

Prerequisite: ITA 2040 or 3080, or permission of chair. 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.*

3902 Women Writers in Italy (ENG)

The course studies both the changing sociohistorical context of Italian women writers and their common issues and themes that constitute a female tradition in Italy. *Course conducted in English and is not applicable to the Italian major or minor. Credit: 3 semester hours.*

3903 Pirandello's Theatre (ENG)

This course is a survey of Pirandello's work as a playwright. It is intended to acquaint the student with the author's most familiar themes and his worldwide impact on past and current theatrical trends. *Course conducted in English and is not*

applicable to the Italian major or minor. Credit: 3 semester hours.

3904 Dante and the Search for Social Justice (ENG)

Dante's pursuit of social justice in his works. *Course conducted in English and is not applicable to the Italian major or minor. Credit: 3 semester hours.*

3910 Italian Culture through Fashion (ENG)

The phenomenon of fashion in all its aspects and the role it plays in shaping the Italian culture. *Course conducted in English and is not applicable to the Italian major or minor. Credit: 3 semester hours.*

3920 Italian Culture through Food (ENG)

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. *Course conducted in English and is not applicable to the Italian major or minor. Credit: 3 semester hours.*

3921 Southern Italy: A Cultural Journey (ENG)

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. *Course conducted in English and is not applicable to the Italian major or minor. Credit: 3 semester hours.*

3922 Studies in Italian Culture (ENG)

A study of the diversified elements comprising the background of the culture and civilization of Italy. *Course conducted in English and is not part of the sequence for the Italian major or minor. Credit: 3 semester hours.*

3923 The City of Rome (ENG)

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. Course conducted in English and is not applicable to the Italian major or minor. Credit: 3 semester hours.*

4953 Independent Study

Prerequisite: Permission of 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 (Italy)

Prerequisite: ITA 3110 or 3120, or permission of chair. Total immersion experience in the field of interest chosen by the student. *Credit: 3 or 6 semester hours.*

Japanese (JPN)

1010; 1020 Elementary Japanese

Prerequisite: JPN 1010 is a prerequisite for JPN 1020. Reading, writing and conversation through a study of all major types of Japanese sentences. Study of the essentials of grammar, pronunciation, accent, intonation, and vocabulary is emphasized. *Credit: 3 semester hours per semester.*

2030; 2040 Intermediate Japanese

Prerequisite: JPN 1020 or placement exam. JPN 2030 is a prerequisite for JPN 2040. This course increases the student's ability in comprehending, reading, and writing Japanese. *Credit:* 3 semester hours per semester.

Korean (KOR)**1010; 1020 Elementary Korean**

Prerequisite: KOR 1010 is a prerequisite for KOR 1020. The students study the fundamentals of the Korean language with emphasis on the Korean alphabet, spelling, pronunciation and basic grammar. *Credit:* 3 semester hours per semester.

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. *Credit:* 3 semester hours per semester.

Language and Culture (LAC)**1000 Language and Culture (ENG)**

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 and anthropology. Credit:* 3 semester hours.

Latin (LAT)**1010; 1020 Elementary Latin**

Prerequisite: LAT 1010 is a prerequisite for LAT 1020. An introduction to Latin; reading of Latin authors from the beginning of the course, accompanied by a study of the fundamentals of Latin grammar. *Credit:* 3 semester hours per semester.

2000 Intensive Intermediate Latin I/II

Prerequisite: LAT 1000 or 1020. Review of elementary grammar and introduction to complex structures in Latin with selections from classical and postclassical texts interpreted within their cultural contexts. *Credit:* 6 semester hours.

2030; 2040 Intermediate Latin

Prerequisite: LAT 1020. First Semester: Various prose selections (Nepos, Cicero, etc.) Second Semester: Selections from Vergil. *Credit:* 3 semester hours per semester.

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 per semester.

Linguistics (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.

1210; 1220 English Grammar I; II

Prerequisite: LIN 1210 is a prerequisite for LIN 1220. A descriptive survey of the grammatical structure of the English language. *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.

Mathematics (MTH)**1000 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

Corequisite: MTH 1051R. Review of elementary algebra; functions and graphs; sets of linear equations, introduction to exponential and logarithmic functions; trigonometry. *For chemistry, mathematics, and physics majors who have not attained satisfactory grades in advanced algebra and trigonometry in high school. Credit:* 3 semester hours.

1100 Mathematics of Fairness

Mathematical problems arising from the pursuit of justice and democratic procedures; how solutions to these mathematical problems affect decision making. *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

A review of the real number system, methods of factoring, methods of solving polynomial equations, and an introduction to functions of a single variable. *Course does not satisfy St. John's University Core Curriculum requirements. Not applicable to major or minor sequences. Credit:* 3 semester hours.

1310 Pre-Calculus with Business Applications

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 per semester.

1600 Sports Analytics

An introduction to elementary probability and statistics, as applied to sports. *Open to St. John's College of Liberal Arts and Sciences students and The Lesley H. and William L. Collins College of Professional Studies students majoring in Sports Management. 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. Functions; limits; derivatives; differentiation of algebraic and transcendental functions; antiderivatives; integrals; applications of these notions. *Credit:* 4 semester hours.

1740 University Calculus II

Prerequisite: MTH 1730. Definite Integral and Applications. Techniques of Integration. Sequences and Series. Power Series. Analytic Geometry. *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. *Credit:* 3 semester hours.

2490 Databases

Prerequisite: CSC 1380 or 1400. Rational, hierarchical and network data base system, file organization and access techniques; query and update languages; data security and integrity. *Credit:* 3 semester hours.

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.

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. Vector-valued functions and their derivatives; partial derivatives. Multiple integrals and their applications: Green's Theorem, Stokes' Theorem. *Credit:* 4 semester hours.

2790 Introduction to Linear Algebra

Prerequisite: MTH 1740. 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

Prerequisite: MTH 2700, 2750. Elementary theory of groups, rings, integral domains and fields. *Credit:* 3 semester hours.

3310 Design and Analysis of Algorithms

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) or with permission of chair. Study of the notion of an algorithm, its running time and complexity; general approaches to algorithm design; efficient algorithms for a variety of problems. *Credit:* 3 semester hours.

3320 Introduction to Machine Learning

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) and one computing course (CSC 1030, 1380, 1390, or 1400) or permission of chair. Machine learning concepts, techniques, algorithms such as classification, linear regression, and emerging topics such as boosting, SVM, Bayesian networks, reinforcement and deep learning. *Credit:* 3 semester hours.

3330 Data Security and Cryptography

Prerequisite: CSC 1380 or 1390 or 1400, or approval of chair. Basics of and history of cryptography; main ideas, methods and standard approaches to data security and cryptography. Elements of number theory and its applications to cryptography. *Credit:* 3 semester hours.

3340 Foundations of Data Science

Prerequisite: MTH 1220 or 1260 or 1320 or 1730. Dimensionality reduction; singular value decomposition; optimization; sampling; random graphs; random walks; Markov chains; spectral graph theory; clustering. *Credit:* 3 semester hours.

3350 Machine Learning, Neural Networks, and Deep Learning

Prerequisite: One calculus course (MTH 1009, 1220, 1260, 1320, or 1730). Neural Networks and Deep Learning concepts, techniques, algorithms such as perceptron, Neural Networks (NN), backpropagation, convolution NN, recursive NN, autoencoders, deep reinforcement learning. *Credit:* 3 semester hours.

3360 Quantum Computing and Quantum Information Science

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) and one computing course (CSC 1030, 1380, 1390, or 1400) or permission of chair. Foundation for understanding what quantum computers do, provides quantum computing experience. *Credit:* 3 semester hours.

3370 Machine Learning for Finance

Prerequisite: One calculus course (MTH 1220, 1260, 1320, or 1730) and one computing course (CSC 1030, 1380, 1390, or 1400) or permission of chair. Neural Networks and Deep Learning concepts and techniques; algorithms such as perceptron, Neural Networks (NN), back-propagation, convolution NN, recursive NN, auto encoders, deep reinforcement learning. *Credit:* 3 semester hours.

3380 Discrete Mathematics

Prerequisite: MTH 1740 or permission of chair. The application of mathematics to discrete rather than continuous models. *Credit:* 3 semester hours.

3770 Advanced Calculus I

Prerequisite: MTH 2700, 2750. *Corequisite:* MTH 3771R. 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:* MTH 3781R. 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 1740. Introduction to probability;

sample spaces, random variables, Probability Distributions. *Credit:* 3 semester hours.

3840 Ordinary Differential Equations

Prerequisite: MTH 1740 or with permission of chair. 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 1730 or with permission of chair. Errors; methods of interpolation, numerical solution of algebraic, transcendental and differential equations. *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 1740 or permission of chair. 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 (sixteen 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:* 6 semester hours.

4910 Introduction to Set-Theoretic Topology

Prerequisites: MTH 1740, 2700. Basic topological concepts; continuous mappings; connectedness and compactness; metric spaces. *Credit:* 3 semester hours.

4920 Elementary Number Theory

Prerequisite: MTH 1740, 2700. 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.

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.*

4970 Independent Research in Statistics and its Applications

Prerequisite: MTH 1730, 1740, 3810 or equivalent and nine additional semester hours in MTH, or approval of chair. Qualified mathematics majors or minors or data science minors undertake directed research in a chosen field of applied statistics. *Open only to mathematics majors, mathematics minors, or data science minors with a 3.0 overall GPA. Credit: 1-3 semester hours.*

4980 Independent Research in Machine Learning and Artificial Intelligence

Prerequisite: MTH 1740, 3320 or equivalent, and six semester hours in MTH or CSC, or approval of chair. Qualified Mathematics /Computing majors, Mathematics minors, Data Science minors, interdisciplinary students undertake directed research in a chosen field of Machine Learning and Artificial Intelligence. *Open to students with at least 3.0 overall GPA. Credit: 1-3 semester hours.*

4990 Senior Seminar

Prerequisite: MTH 3770. Reading and discussion of topics in current mathematics emphasizing the unification of the student's previous coursework. Term project. *Credit: 3 semester hours.*

Music (MUS)**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.*

1020 Theory I

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

1030 Introduction to Music Composition

An introduction to composition through a series of class projects and exercises that aim to develop a working knowledge of music theory and gain important hands-on experience in the creation of music. *Credit: 3 semester hours.*

1035 Songwriting

An introduction to songwriting in which students will create musical notation, use production software, and write lyrics to create musical compositions. *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. *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.*

1265 Workshop in Musical Theatre

Introduction to solid singing, acting and performance techniques used in musical theatre. *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.*

1600; 2600 Piano I; II

Private lessons in piano. *Access to a piano is required. Credit: 1 semester hour per semester. Special fee, \$500 per semester.*

1610; 2610 Guitar I; II

Private instruction in guitar. *Credit: 1 semester hour per semester. Special fee, \$500 per semester.*

1620; 2620 Voice I; II

Private lessons in voice. Instructor's studio or on campus. *Credit: 1 semester hour per semester. Special fee, \$500 per semester.*

1630; 2630 Flute I; II

Private instruction in flute or wind instruments. *Credit: 1 semester hour per semester. Special fee, \$500 per semester.*

1640; 2640 Strings I; II

Private instruction in string instruments: violin, viola, or cello. *Credit: 1 semester hour per semester. Special fee, \$500 per semester.*

2010 Digital Music Production

An introduction to digital technology in music production and composition. *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.*

2501 The Gospel Choir

A select ensemble of singers who explore, learn, and perform an exciting repertoire in the gospel music genre and several sub-genres as participants in Voices of Victory gospel choir. *Audition required. Credit: 1.5 semester hours per semester.*

2502 Jazz Ensemble

A select ensemble of instrumental musicians who will explore, learn, and perform an exciting repertoire in the jazz genre and various contemporary music genres as participants in the Jazz Ensemble. *Audition required. Credit: 1.5 semester hours per semester.*

2503 Chamber Ensemble

Prerequisite: Ability to read music. Chamber Music is a course that focuses on musical collaboration. Small ensembles of instrumentalists/singers explore chamber music repertory. Includes performance opportunities and master classes. *Audition required. Credit: 1.5 semester hours per semester.*

2504 Mixed Chorus

A select ensemble of singers who learn and perform an exciting repertoire in the classical, sacred, pop, and Broadway choral music genres as participants in the Mixed Chorus. *Audition required. Credit: 1.5 semester hours per semester.*

Philosophy (PHI)**1000 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.*

2200 Ethics

Prerequisite: PHI 1000. 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.*

2220 Ethics and Business

Prerequisite: PHI 1000. 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.*

2240 Ethics and Health Care

Prerequisite: PHI 1000. 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.*

3000 Metaphysics

Prerequisite: PHI 1000. 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.*

3320 Science and Religion: A Philosophical Analysis

Prerequisite: PHI 1000 and three semester hours 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 1000. 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 3000 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 3000 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 3000. 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 3000. 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.*

3590 Confucianism and Taoism

Prerequisite: PHI 1000. This course introduces students to moral and political philosophy in the Confucian and Taoist traditions. The course is divided into two parts. The first will examine key Confucian and Taoist texts in their historical contexts and creative comparison with Western moral and political philosophy. The second is devoted to contemporary literatures that attempt to modernize central Confucian and Taoist teachings in order to produce fresh insights for the modern world. Through this course, students will achieve a substantial understanding of Confucian and Taoist moral and political ideals and how they remain highly relevant to contemporary moral and political issues. *Credit: 3 semester hours.*

3600 Problem of God

Prerequisite: PHI 3000. 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.*

3630 Epistemology

Prerequisite: PHI 1000. 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 1000. 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 2200. 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 2200. 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 2200. This course examines the basic problematic of religion in the 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.*

3730 Environmental Ethics

Environmental justice is a movement that seeks to clarify and call attention to the unequal impact environmental degradation has on particular people and communities. The intent of this course is to examine the social and political factors that contribute to various forms of environmental

racism, classism, and sexism around the world, as well as to indicate ways in which to address these different forms of injustice. *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.*

3750 Philosophy of Race

Prerequisite: PHI 1000. A philosophical examination of the concept of race, tracing the development of the concept from ancient times to the present. This course will demonstrate the philosophical significance of the notion of race and the conceptual frameworks it has been a part of. It will examine the political and ethical significance of these frameworks, as well as the metaphysics and epistemology of race. *Credit: 3 semester hours.*

3800 Philosophy of Science

Prerequisite: PHI 3000 and three semester hours 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 3000 and three semester hours 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.*

3900 Philosophy of Literature: Meaning, Mystery and Metaphysics in the Catholic Novel

Prerequisite: PHI 1000. 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 3000. An introductory course covering such topics as the ideational, referential and behavioral theories of linguistic meanings; translation and indeterminacy; realism and antirealism. Special concerns of this course are the relationship between language and mind; the relationship between semantics and pragmatics. *Credit: 3 semester hours.*

3920 Philosophy and Film

Prerequisite: PHI 1000. 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 3000. 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)

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.*

1130 Introduction to Solid Works

Introduction to basic AutoCAD commands, tools, multi-view drawing and dimensional techniques to design 3D mechanical and robotic systems. *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.*

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.*

1360 Physics for Radiologic Sciences

Prerequisite: MTH 1050 or equivalent. Introductory physics course topics in Biology, Physiology, and Medicine. Basic physical principles from the perspective of life sciences with applications. *For students majoring in Radiologic Sciences. 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, calculus, vectors, and selective topics such as mechanics, waves, optics, heat, electricity, and magnetism. *Credit: 3 semester hours.*

1610; 1620 College Physics I; II

Prerequisite: PHY 1610 is a prerequisite for PHY 1620. Corequisite: PHY 1611L and PHY 1612R are corequisites for PHY 1610. PHY 1621L and PHY 1622R 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: MTH 1730 or 1950. PHY 1931L and PHY 1932R are corequisites for PHY 1930. PHY 1941L and PHY 1942R 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 1952R. 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 or 1940, and 1972R. 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.*

2000 Introduction to Digital Systems

Prerequisite: PHY 1620 or 1940. Corequisite: PHY 2001. Fundamentals and applications of digital electronic design, including combinational and sequential logic circuits. *Credit: 4 semester hours.*

2001 Introduction to Digital Systems Laboratory

Prerequisite: PHY 1620 or 1940. *Corequisite:* PHY 2000. Modeling, simulation, and synthesis of simple digital designs, hardware description language, Verilog/SystemVerilog. *Laboratory, 2 hours. Laboratory fee, \$100.*

2010 Advanced Physics Laboratory

Prerequisite: PHY 1970. Several experiments in modern physics to the students, such as Frank Hertz, Millikan Apparatus, Planck's constant, Zeeman Effect, NMR, ESR, and Hall Effect. *Laboratory, 4 hours. Credit: 2 semester hours.*

2250 Thermal and Statistical Physics

Prerequisite: PHY 1620 or 1940. *Corequisite:* PHY 1970. Boltzmann and Quantum statistics, laws of thermodynamics, systems of interacting particles, engines, kinetic theory of gases, heat, work, conservation of energy, open, and closed systems. *Credit: 3 semester hours.*

2460 Analytical Mechanics

Prerequisite: MTH 1730, and PHY 1620 or 1940. 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

Prerequisite: MTH 1730, and PHY 1620 or 1940. 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 per semester.*

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 Electronics

Prerequisite: PHY 1450, or 1620, or 1940. *Corequisite:* PHY 3241. Introduction to electronic devices including diodes, transistors, amplifiers, filters, oscillators, LEDs and other electronic systems. Principles of electronic circuit design and analysis. *Lecture, 3 hours. Laboratory, 2 hours. Credit: 4 semester hours. Laboratory fee, \$25.*

3250 Optics

Prerequisite: MTH 1730 or PHY 1950, and PHY 1620 or 1940. 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.*

3270 Atomic and Nuclear Physics I

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.*

3330 Quantum Theory

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.*

3820 Fluid Mechanics

Prerequisite: MTH 3840 and PHY 2460 or 2110. Fundamentals of fluid statics and dynamics, including: properties and energy relationships of fluids, and flow in closed conduits, and flow measurement. *Credit: 3 semester hours.*

3850 Introduction to Solid State Physics

Prerequisite: MTH 3840, PHY 1940. Properties of static (crystal structure) and dynamic (lattice vibrations) arrangements of atoms, and electronic properties of metals, insulators and semiconductors. *Credit: 3 semester hours.*

3890 Numerical Methods

Prerequisite: MTH 3840, PHY 1940. Numerical techniques to solve physics problems such as roots of linear and nonlinear equations; solution of ordinary differential equations; curve fitting and interpolation. *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.*

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)

1000 Introductory Psychology

An introduction to scientific psychology and its methods. The course presents a survey of the major areas within the discipline of psychology, including the psychology of personality, abnormal behavior, learning, sensation and perception, social processes, states of consciousness, individual differences, thinking, language, and human development. *Credit: 3 semester hours.*

2030 Statistical Methods for the Social Sciences

Corequisite: PSY 2030L. 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

nonparametric 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

Prerequisite: PSY 1000, 2030. *Corequisite:* PSY 2040P. An overview of the methods and procedures of psychological science. Students learn to read empirical literature, understand key theories about behavior and psychopathology, develop testable hypotheses, and evaluate appropriate methods for testing these hypotheses. The course teaches methods for assessing the role of observational, survey, correlational, experimental, and quasiexperimental approaches to research. There is a strong emphasis on the development of critical thinking and writing skills essential to understanding research and deploying scientific knowledge in a broad range of situations. Practicum work focuses on studies of human behavior and the writing of 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.*

2050 Educational Psychology

A study of intellectual functioning, individual differences, problems of learning and motivation. *Credit: 3 semester hours.*

2070 Child Psychology

A study of the physical, intellectual, emotional, and social aspects of development through childhood, with emphasis on major developmental constructs and theories. *Credit: 3 semester hours.*

2080 Adolescent Psychology

Physical, intellectual, emotional, and social aspects in the development of the individual in the transitional period between childhood and maturity. *Credit: 3 semester hours.*

2100 Altered States of Consciousness and Parapsychological Events

A selective examination of research and theory concerning altered states (such as meditative and drug-induced states, dreaming, hypnosis, various kinds of "trances" and "peak experiences"), extrasensory perception, psychokinesis and possible interrelationships of these areas. *Credit: 3 semester hours.*

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.*

2190 Psychology of Humor

What makes you laugh? Reviews the psychological research behind mirth, humor, and laughter. *Credit: 3 semester hours.*

2200 Abnormal Psychology

Prerequisite: PSY 1000. An introduction to the features, causes, and treatments of abnormal patterns of behavior or psychological disorders. *Credit: 3 semester hours.*

2210 Theories of Personality

An introduction to significant theories of personality and a critical evaluation of these theories. *Credit: 3 semester hours.*

2220 Child and Adolescent Psychopathology

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 and organic dysfunctions, ADHD, and personality in childhood and adolescence. *Credit: 3 semester hours.*

2230 Psychology of the African American Experience

This course explores 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.*

2240 Psychology of Women

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

2260 Positive Psychology

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

Health psychology focuses on the behavioral, personality, social, cultural, and lifestyle 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.*

2280 Introduction to Sport Psychology

Psychological factors affecting sports participation and their role in sports performance. *Credit: 3 semester hours.*

2380 Psychology of Anger, Aggression, Hatred, and Violence

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.*

2990 Sophomore Seminar

Prerequisite: PSY 1000. 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.

3040 Experimental Psychology Laboratory

Prerequisite: PSY 2030. Corequisite: PSY 2040 and approval and acceptance from the instructor. 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.*

3041 Experimental Psychology Laboratory

Prerequisite: PSY 2030, 2040, 3040, and approval and acceptance from the instructor. 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.*

3220 Introduction to Clinical Psychology

Prerequisite: PSY 1000, 2220. An introduction to clinical psychology including history, development of models and their application, assessment and treatment. *Credit: 3 semester hours.*

3260 Introduction to Psychological Measurement

Prerequisite: PSY 1000, 2030. An overview of basic principles of measurement theory with emphasis on psychological testing. *Credit: 3 semester hours.*

3270 Experimental Psychology of Learning

Prerequisite: PSY 1000. 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, 2030. 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 Sensation and Perception

Prerequisite: PSY 1000, 2030. PSY 2150 may be taken prior or in conjunction with PSY 3290. Introduction to the concepts, methods, and findings of classical and modern psychophysics as they relate to providing an understanding of the sensory systems and processing of sensory information. *Credit: 3 semester hours.*

3320 Social Psychology

Prerequisite: PSY 1000. Examines the scientific study of how real, imagined or anticipated actions or evaluations by others influence our thoughts, feelings or behavior. Topics include the psychology of research participation, attitudes, attitude change, persuasion, conformity, compliance, stereotypes and prejudice, liking and attraction, intimate relationships, group processes, social perception and cognition, the social self, helping others, hurting others and conflict resolution. *Credit: 3 semester hours.*

3330 Industrial and Personnel Psychology

Psychological aspects of individual differences, efficiency, working conditions, accident

prevention, human engineering, industrial mental health, and counseling. *Credit: 3 semester hours.*

3410 Autism and Intellectual Disability

Study of concepts, procedures, and research related to autism, intellectual disabilities, and other developmental disabilities from bio-medical, psychological, and educational perspectives. *Credit: 3 semester hours.*

3420 Applied Behavioral Analysis and Positive Support

The study of concepts and procedures related to applied behavior analysis (ABA) and positive behavioral support (PBS). Learn how ABA/PBS is used to change important behaviors. *Credit: 3 semester hours.*

3500 Special Topics in Psychology

In-depth study of a specialized area in Psychology. *Credit: 3 semester hours.*

3800 History and Systems of Psychology

Prerequisite: PSY 1000 and at least nine additional semester hours in PSY. The evolution of psychology from its philosophical and physiological roots to its current status as science and profession. Review of major schools and theories, contributions of noted investigators and significant advances. *Credit: 3 semester hours.*

4903 Internship in Clinical, Counseling, or School Psychology

Prerequisite: At least twelve semester hours 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 exceptional children and adults, homes for the elderly, halfway houses, and crisis intervention centers. *Credit: 3 semester hours.*

4904 Internship in Industrial/ Organizational Psychology

Prerequisite: At least twelve semester hours in PSY. 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

Prerequisite: PSY major with 3.0 overall GPA, PSY 1000, 2990, and nine additional semester hours in PSY. Prior to registration, the student must prepare a written contract with a 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, the activities to be done, and the final product of the course expected by the faculty member. The department chair must also provide written approval of the agreement before the student can register. Qualified psychology majors undertake directed study on topics of their choice. *Student cannot take this course and PSY 3040, 3041, 4952, 4953, or 4954 in the same semester.*

4952 Independent-Guided Study in Psychology II

Prerequisite: PSY major with 3.0 overall GPA, PSY 1000, 2990, 4951, and nine additional semester hours in PSY. Prior to registration, the student must prepare a written contract with a 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, the activities to be done, and the final

product of the course expected by the faculty member. The department chair must also provide written approval of the agreement before the student can register. Qualified psychology majors undertake directed study on topics of their choice. Student cannot take this course and PSY 3040, 3041, 4951, 4953, or 4954 in the same semester.

4953 Independent Research in Psychology I

Prerequisite: PSY major with 3.0 overall GPA, PSY 1000, 2030, 2040, and nine additional semester hours in PSY. Prior to registration, the student must prepare a written agreement with a 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 product of the course expected by the faculty member. The department chair must also provide written approval of the agreement before the student can register. Qualified psychology majors undertake directed research in a chosen field of psychology. Student cannot take this course and PSY 3040, 3041, 4951, 4952, or 4954 in the same semester.

4954 Independent Research in Psychology II

Prerequisite: PSY major with 3.0 overall GPA, PSY 1000, 2030, 2040, 4953, and nine additional semester hours in PSY. Prior to registration, the student must prepare a written agreement with a 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 product of the course expected by the faculty member. The department chair must also provide written approval of the agreement before the student can register. Qualified psychology majors undertake directed research in a chosen field of psychology. Student cannot take this course and PSY 3040, 3041, 4951, 4952, or 4953 in the same semester.

Public Administration and Public Service (PAPS)

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.*

1530 Introduction to Public Administration

Prerequisite: PAPS/GOV 1030. The process of government organization, administration and management; current problems and trends; administrative-political relationships. *Credit: 3 semester hours.*

1540 Research Methods in Public Administration

Prerequisite: PAPS/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.*

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.*

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.*

2450 Crisis Management at the Local Level

Policy, planning, and management issues of crises; and examines responsibilities and practices of local government organizations in response to natural and human-made events. *Credit: 3 semester hours.*

2470 State and Local Government and Administration

Prerequisite: PAPS/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: PAPS/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.*

2500 Environmental and Public Law

Prerequisite: PAPS/GOV 1030. The political issues surrounding environmental regulation, with emphasis on bureaucratic and judicial administration of federal legislation governing air, water, and land-use. *Credit: 3 semester hours.*

2520 Politics of Environment and Development

An examination of the political dimensions of environmental issues in selected countries and regions around the world. *Credit: 3 semester hours.*

3580 The Politics of Inequality in the United States

This course explores the nature of economic, social, and racial inequality and the way in which politics is caused by and contributes to these phenomena. *Credit: 3 semester hours.*

3590 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.*

4923; 4926 Field Work in Public Administration

Prerequisite: Permission of the coordinator. An internship program in a federal, state, or local government office with a not-for-profit group. Periodic consultation with the internship coordinator is required. *Credit: 3 or 6 semester hours.*

4995 Senior Seminar in Public Administration and Public Service

Prerequisite: At least 6 credits from among: GOV 2400, 2580, 3450, 3570; PAPS 2420, 2430, 2470, 2480, 2500, 3590. *Credit: 3 semester hours.*

Russian (RUS)

1010 Russian, Level I

Corequisite: 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

1020 Russian Level II

Prerequisite: RUS 1010. *Corequisite:* 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

2030 Russian, Level III

Prerequisite: RUS 1020. *Corequisite:* 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

Scientific Inquiry (SCI)

1000 Scientific Inquiry

This course 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. 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. *Credit: 3 semester hours.*

Sociology (SOC)

1000 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.*

1015 Social Inequality, Mobilization and Social Justice

A critical understanding of inequality based on links between class, race and gender, various forms of social mobilization and different perspectives on social justice and advocacy. *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.*

1035 Science, Technology, and the Human

A survey of critical debates surrounding the relationship between advances and scientific knowledge and technology and contemporary sociological theories of what it means to "be human." *Credit: 3 semester hours.*

1040 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.*

1045 Migration, Labor, and Justice

A critical sociocultural analysis of links between national, regional, and global social inequalities, with an emphasis on social mobility, labor, migration processes, and justice. *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 Social Construction of Deviance

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.*

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.*

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.*

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: Issues of Crime and Justice Behind the Walls

Experientially-based seminar at Rikers Island jail examining function and social consequences of justice policies, particularly mass incarceration; 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.*

2040 Methods in Critical Race and Ethnic Studies

Examination of methodologies and strategies for including the knowledges of Indigenous, Latin American, African, and Asian peoples and their diasporas. *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.*

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.*

2230 Sociology of Latino/as in the U.S

Impact of migration, immigration policies, politics and social movements on Latino/as, their families, gender, cultural identity, race/ethnic relations and experience in social institutions. *Credit: 3 semester hours.*

2320 Power, Culture, and 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.*

2350 Social Construction of Race in the Americas

Sociological examinations of the significant historical and contemporary social processes germane to the development of racial formations in Latin America and the Caribbean. *Credit: 3 semester hours.*

2360 Law and Society

An examination of the social forces surrounding the law. Effects of social systems, social movements and culture on the law. Different models of the legal system are analyzed. *Credit: 3 semester hours.*

2380 Sport and Social Change: Race, Class, and Gender

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 and Sexualities

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 and Sexualities Identities 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 and Sexualities in a Global Context

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.*

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 The City and Metropolis

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.*

2680 Critical Debates in the City

This course will undertake an in-depth analysis of selected, contemporary debates and issues facing cities. It will include opportunities for original research by the students. *Credit: 3 semester hours.*

3000 Anti-Blackness Around the Globe

Prerequisite: CRES 1000. Students learn about ideologies of Blackness and anti-Blackness across the globe, their spread through social movements and their impact on racial and ethnic formations. *Credit: 3 semester hours.*

3240 Sociological Theory

Prerequisite: SOC 1000. 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.*

3660 Power, Change, and Conflict

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 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 with a grade of B or better, and consultation with instructor prior to registration. 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 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.*

Spanish (SPA)

1010 Spanish, Level I

Corequisite: 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

1020 Spanish, Level II

Prerequisite: SPA 1010. Corequisite: 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

2030 Spanish, Level III

Prerequisite: SPA 1020. Corequisite: 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

2040 Intermediate Spanish Conversation

Prerequisite: SPA 2030 or permission of chair. Corequisite: 10 mandatory sessions at the Global Language and Culture Center. 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. *Credit: 3 semester hours.*

2050 Readings in Modern Spanish

Prerequisite: SPA 2030 or 2040, or permission of chair. This course is structured to meet the needs and abilities of non-language majors. *Conducted in Spanish. Credit: 3 semester hours.*

3090; 3100 Masterpieces of Hispanic Literature I; II

Prerequisite: SPA 2040 or 2050, or permission of chair. 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 per semester.*

3110; 3120 Advanced Spanish Conversation

Prerequisite: SPA 2040 or 2050, or permission of 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 per semester.*

3350 Spanish for Heritage Speakers

Prerequisite: SPA 2040 or 2050, or permission of chair. Course designed to meet the needs of students who have had little formal training in the language. *Credit: 3 semester hours.*

3360 Review of Spanish Grammar

Prerequisite: SPA 2040 or 2050, or permission of chair. Review of Spanish grammar for more advanced courses. *This course may not be taken after the successful completion of SPA 3870 or 3880. Credit: 3 semester hours.*

3450 Feminist Themes in Spanish Literature

Prerequisite: SPA 2040 or 2050, or permission of chair. Critical reading and analysis of works in which Spanish women articulate culturally imposed limitations and use fiction as a tool for social change. *Credit: 3 semester hours.*

3550 Civilization of Spain

Prerequisite: SPA 2040 or 2050, or permission of 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: SPA 2040 or 2050, or permission of chair. 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.*

3580 Works of Cervantes I

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

3600 Contemporary Spain

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

3610; 3620 Spanish Golden Age Literature I; II

Prerequisite: SPA 2040 or 2050, or permission of chair. A study of the major literary genres and the principal writers and works of the period. *Credit: 3 semester hours per semester.*

3611 The U.S. Latino Immigrant Experience Through Literature and Culture

Prerequisite: SPA 2040 or 2050, or permission of chair. The study of literary and artistic production of Latino immigrants in the U.S. *Credit: 3 semester hours.*

3640 Romanticism and Realism in Spanish Literature

Prerequisite: SPA 2040 or 2050, or permission of chair. Survey of 19th-century Spanish literature in its cultural and historical context. *Credit: 3 semester hours.*

3690 Contemporary Spanish America

Prerequisite: SPA 2040 or 2050, or permission of chair. Study of all aspects of contemporary Spanish American society and culture. *Credit: 3 semester hours.*

3710 The Essay in Spanish-American Literature

Prerequisite: SPA 2040 or 2050, or permission of 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: SPA 2040 or 2050, or permission of 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.*

3740 Contemporary Spanish American Poetry

Prerequisite: SPA 2040 or 2050, or permission of chair. The principal developments of the genre in Spanish America with a study of representative authors. *Credit: 3 semester hours.*

3775 Spanish Short Story

Prerequisite: SPA 2040 or 2050, or permission of chair. A study of the development of the modern short story in Peninsular Spanish literature. *Credit: 3 semester hours.*

3781 Modern Spanish Poetry

Prerequisite: SPA 2040 or 2050, or permission of chair. A study of the trajectory of Spanish poetry from the Romantics to the Novisimos. *Credit: 3 semester hours.*

3870; 3880 Advanced Spanish Grammar and Composition I; II

Prerequisite: SPA 2040 or permission of chair. Difficult points of Spanish grammar and syntax with translation of selected passages into idiomatic Spanish. *Credit: 3 semester hours per semester.*

3900 Art and Skills of Translation

Prerequisite: SPA 3870 or 3880, or permission of chair. Theoretical and practical aspects of translation. Students are expected to translate a wide range of texts from Spanish to English. *Credit: 3 semester hours.*

3910 Mystery Novel in Spain (ENG)

Survey of the contemporary mystery novel in Spain as a reflection of historical and cultural circumstances. *Course conducted in English and is not applicable to the Spanish major or minor. Credit: 3 semester hours.*

3912 The Spanish Short Story (ENG)

The modern short story in Peninsular Spanish literature. *Course conducted in English and is not applicable to the Spanish major or minor. Credit: 3 semester hours.*

3914 Contemporary Spain (ENG)

The evolution of Spanish culture from 1898 to the present. *Course conducted in English and is not applicable to the Spanish major or minor. Credit: 3 semester hours.*

4903 Internship

Prerequisite: 3110 or 3120, or permission of chair. Total immersion experience in a field of interest chosen by the student in New York where the target language is spoken. *Credit: 3 or 6 semester hours.*

4953 Independent Study

Prerequisite: SPA 3090 or 3100, or permission of 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 (Spain)

Prerequisite: SPA 3110 or 3120, or permission of chair. Total immersion experience in the field of interest chosen by the student. *Credit: 3 or 6 semester hours.*

Speech (SPE)

1000 Public Speaking

Introduction to the theory and practice of public speaking in a variety of communication contexts. Students will learn and practice the principles of public speaking, including topic selection, audience adaptation, invention and arrangement of arguments, and the incorporation of the appropriate style to the message. Additionally, students will learn techniques in actively listening and message evaluation. *Credit: 3 semester hours.*

Theology (THE)

1000 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 THE 1000. *Credit: 3 semester hours.*

2000 The Catholic Imagination

Prerequisite: THE 1000. 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.*

2110 Reading the Old Testament

Prerequisite: THE 1000. A survey of the Old Testament/Hebrew Bible, with attention to the history and religion of Israel in the context of the ancient Near East. *Credit: 3 semester hours.*

2120 Reading the New Testament

Prerequisite: THE 1000. A survey of the New Testament, with attention to its historical and literary context, and its theological significance. *Credit: 3 semester hours.*

2200 The Mystery of Triune God

Prerequisite: THE 1000. 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 1000. 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 1000. 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 1000. 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.*

2245 Liberation Theologies

Prerequisite: THE 1000. Examines the ways in which marginalized, oppressed, and poor communities reflect on God in light of their experiences as a method of doing theology. *Credit: 3 semester hours.*

2255 Race and Religion in the United States

Prerequisite: THE 1000. An examination of the critical and mutually interrelated realities of race and religion in the U.S., in particular, the shifting and varied ways in which racial categories have been used to shape and understand religion in the U.S. *Credit: 3 semester hours.*

2340 Women and Theology

Prerequisite: THE 1000. 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. *Credit: 3 semester hours.*

2400 Christian Spirituality and Mysticism

Prerequisite: THE 1000. 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.*

2410 Spirituality of the Educator

Prerequisite: THE 1000. 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.*

2501 History of Christian Theology I: Origins Through the Middle Ages

Prerequisite: THE 1000. 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 1000. 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 1000. 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 1000. 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.*

2800 Global Catholicism

Prerequisite: THE 1000. 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.*

2810 Introduction to World Religions

Prerequisite: THE 1000. 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 1000. Survey of the history of Judaism, with emphasis on its concepts and practices; relationship of Judaism to Christianity; the major theological schools in Judaism. *Credit: 3 semester hours.*

2830 Introduction to Hinduism

Prerequisite: THE 1000. 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 1000. 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 1000. 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.*

2920 Science and Religion

Prerequisite: THE 1000. 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.*

3010 Introduction to Christian Ethics

Prerequisite: THE 1000. An overview of Christian ethics, with particular attention to Catholic moral theology, addressing fundamental concepts and selected personal and social ethical issues. *Credit: 3 semester hours.*

3020 Introduction to Catholic Social Teaching

Prerequisite: THE 1000. An exploration of modern Catholic social teaching through attention to economic, political, and cultural moral issues such as poverty, racism, immigration, and the ecological crisis. *Credit: 3 semester hours.*

3050 The Challenge of Identity, Spirituality, and Living in a Global World

Prerequisite: THE 1000 and the 2000 series core course. 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. *Open to seniors only. Credit: 3 semester hours.*

3100 The Gospels of Matthew, Mark, and Luke

Prerequisite: THE 1000. 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 1000. 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 1000. 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 1000. 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.*

3210 Theological Anthropology

Prerequisite: THE 1000. 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 1000. 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.*

3225 Death and Resurrection in Modern Christian Thought

Prerequisite: THE 1000. 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 1000. 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 1000. 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 Feminist and Womanist Theologies

Prerequisite: THE 1000. Introduction to contemporary global feminist and womanist theologies. *Credit: 3 semester hours.*

3250 Dialogue Among the Churches and Religions

Prerequisite: THE 1000. 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 1000. 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 1000. 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 1000. 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 1000. 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 1000. 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 chairperson. Credit: 3 semester hours.*

3310 Theologies of Peace

Prerequisite: THE 1000. An examination of peace and the Christian response to war and violence, in dialogue with other religious perspectives, Judaism, and Islam. *Credit: 3 semester hours.*

3330 Ecology and Environmental Ethics

Prerequisite: THE 1000. An examination of theologies of creation and moral responsibility for the environment, drawing on Christian and other religious traditions. *Credit: 3 semester hours.*

3350 Ethics, Religion, and Global Development

Prerequisite: THE 1000. Examines the influence and role of religion in the ethics of global development with an emphasis on sustainable development, human rights, poverty, and economics. *Credit: 3 semester hours.*

3360 Justice, Spirituality, and Social Justice

Prerequisite: THE 1000. Practice-centered ethics course; engagement and experimentation with social theories, spiritual practices, advocacy strategies, and tactics that promote social change. *Credit: 3 semester hours.*

3410 Helping the Neighbor: Vincent de Paul and the Meaning of Christian Service

Prerequisite: THE 1000. 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.*

3530 Religion and the Modern World

Prerequisite: THE 1000. Examines how religion and secularism shaped and was shaped by modern politics, globalization, liberalism and colonialism. *Credit: 3 semester hours.*

3550 Theology in the Middle Ages

Prerequisite: THE 1000. 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 1000. 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 1000. 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 1000. 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 Issues in Judaism

Prerequisite: THE 1000. 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 1000. 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 1000. 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.*

3870 Global Cultures and World Religions: Intersections of the Sacred and the Ordinary

Prerequisite: THE 1000. Examines how spiritualities, religious practices, and ideas of transcendence are located within different cultures and normative societal activities. *Credit: 3 semester hours.*

3910 Faith and Reason in Theology

Prerequisite: THE 1000. 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.*

3930 Psychology and Religion

Prerequisite: THE 1000. 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.*

4920 Selected Theological Questions

Prerequisite: THE 1000. Course 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 1000 and nine semester hours in THE. Course 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.*

4990 Seminar

Prerequisite: THE 1000. Course 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.*

4995 Integrative Interdisciplinary Social Justice Seminar

Prerequisite: THE 1000. Capstone for the Interdisciplinary Minor in Social Justice: Theory and Practice in the Vincentian Tradition. By integrating the academic and experiential emphases of previous coursework in the minor and by encouraging a research focus on a specific aspect of social justice, the seminar promotes: (1) student understanding of theological, philosophical, economic, sociological, and political concepts of social justice; (2) student analytical skills in evaluating the variety of attempts to develop social justice; (3) active student involvement in the promotion of social justice. *Restricted to students enrolled in the Interdisciplinary Minor in Social Justice except with permission of chair or program director. Credit: 3 semester hours.*

Art and Design

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Elizabeth DeLuna, *Professor*, B.F.A., San Francisco Art Institute; M.F.A., Yale School of Art.

Louis DiGena, *Associate Professor*, B.A., Upsala College; M.F.A., School of Visual Arts.

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Claudia Sbrissa, *Professor*, B.F.A., The School of the Art Institute of Chicago; M.F.A., Rochester Institute of Technology.

Aaris Sherin, *Professor*, B.F.A., York University, Toronto; B.E., Queens University, Kingston; M.F.A., Cornell University.

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Samira Fargali, *Assistant Professor*, M.S. Polytechnic University, Germany; Ph.D. Helmholtz Center for Infection Research, Germany.

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Communication Sciences and Disorders

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Vladimir Tulovsky, *Associate Professor*, M.S., Ph.D., Moscow University.

Philosophy

Joseph Biehl, *Assistant Professor*, B.A., St. John's University; Ph.D., The City University of New York, Graduate Center.

Yual D. Chiek, *Assistant Professor*, B.A., The University of Lethbridge; M.A., The University of Alberta; Ph.D., Queen's University, Kingston, ON.

Brendan T. Conuel, *Assistant Professor*, B.A., Wesleyan University; M.A., Ph.D., Stony Brook University.

Zachary D. Davis, *Associate Professor*, B.A., University of New Hampshire; M.A., Ph.D., Southern Illinois University.

Robert Delfino, *Associate Professor*, B.A., St. John's University; Ph.D., SUNY, Buffalo.

Francis Fallon, *Assistant Professor*, B.A., Trinity College, Ireland; M.A., Cambridge University; Ph.D., Lancaster University.

Harrison Fluss, *Assistant Professor*, B.A., Florida Atlantic University; M.A., Stony Brook University, SUNY.

Paul Gaffney, *Associate Professor*, B.A., Niagara University; M.A., Ph.D., Catholic University of America.

Marie George, *Professor*, B.A., Thomas Aquinas College; M.A., Ph.D., Laval University, Quebec, Canada.

Paul Gyllenhammer, *Associate Professor*, B.A., SUNY, Plattsburgh; M.A., Villanova University; Ph.D., Marquette University.

Michael Henry, *Professor*, B.A., Catholic University of America; M.A., Fordham University; M.A., Ph.D., University of Notre Dame.

Kevin E. Kennedy, *Associate Professor*, B.A., LeMoyne College; M.A., Ph.D., Catholic University of America.

Rev. Robert E. Lauder, *Professor*, B.A., Immaculate Conception Seminary; M.A., Catholic University of America; Ph.D., Marquette University.

Zhuoyao Li, *Assistant Professor*, B.A., University of Tulsa; Ph.D., Boston College.

Rev. Michael Mburu, *Assistant Professor*, B.A. (two), Urbaniana University, Rome, Italy; Ph.D., Duquesne University.

Christian Perring, *Assistant Professor*, B.A., Oxford University; M.Sc., King's College; Ph.D., Princeton University.

Rev. Brian Shanley, *Professor*, B.A. History, Providence College; Ph.L., The Catholic University of America; M.Div., S.T.L., The Dominican House of Studies; Ph.D., University of Toronto.

Glenn N. Statile, *Associate Professor*, B.A., Fordham University; M. Phil., Ph.D., CUNY.

Seth Joshua Thomas, *Associate Professor*, B.A., Pennsylvania State University; M.T.S., Theology, Harvard Divinity School; M.A., Ph.D., Fordham University.

Mary Townsend, *Assistant Professor*, B.A., St. John's College, Annapolis, MD; M.A., Catholic University of America; Ph.D., Tulane University.

Physics

Zehra Cevher, *Assistant Professor*, B.A., Hunter College; M.Phil., Ph.D., CUNY Graduate Center.

Murali Devi, *Assistant Professor*, B.S., M.S., Long Island University; M.Phil., CUNY Graduate Center; Ph.D., Queens College.

Robert W. Finkel, *Professor Emeritus*, B.A., M.S., Ph.D., New York University.

Gen Long, *Associate Professor*, B.S., Shandong University; Ph.D., University of Buffalo.

Mostofa Sadoqi, *Professor, Chair*, B.S., École Nationale de Superior des Méchanique; M.S., Ph.D., Polytechnic University.

Psychology

Andrea Jill Bergman, *Associate Professor*, B.A., Cornell University; M.A., Ph.D., Emory University.

Elizabeth N. Brondolo, *Professor*, B.S., SUNY, Purchase; M.S., Ph.D., Rutgers University.

Elissa Jill Brown, *Professor*, B.A., University of Pennsylvania; M.S., Ph.D., SUNY, Albany.

William F. Chaplin, *Professor*, A.B., Stanford University; M.A., Ph.D., University of Oregon.

Dana L. Chesney, *Associate Professor*, B.A., University of Virginia; M.S., Ph.D., Rutgers University.

Tamara Del Vecchio, *Professor*, B.A., SUNY, Albany; M.A., Ph.D., SUNY, Stony Brook.

Raymond DiGiuseppe, *Professor*, B.A., Villanova University; M.A., SUNY, Brockport; Ph.D., Hofstra University.

Philip M. Drucker, *Associate Professor*, B.A., College of Staten Island; M.A., Ph.D., Brooklyn College, CUNY.

Dawn P. Flanagan, *Professor*, B.S., University of Massachusetts, Amherst; M.S., Ph.D., Ohio State University.

Carolyn Greco-Vigorito, *Associate Professor*, B.S., CUNY, Brooklyn College; M.S., Ph.D., University of Massachusetts.

Beverly A. Greene, *Professor*, B.A., New York University; M.A., Ph.D., Derner Institute of Adelphi University.

Ernest V.E. Hodges, *Professor*, B.A., Florida State University; M.A., Ph.D., Florida Atlantic University.

Rafael A. Javier, *Professor*, B.A., CUNY, Herbert H. Lehman College; Ph.D., New York University.

Wilson H. McDermut, *Associate Professor*, B.A., Wesleyan University; M.A., Ph.D., American University.

Lauren Moskowitz, *Associate Professor*, B.S., Cornell University; M.A., Ph.D., State University of New York at Stony Brook.

Ester Navarro-Garcia, *Assistant Professor*, B.A., University of Granada; M.A., Ph.D., Claremont Graduate University.

Jeffrey S. Nevid, *Professor*, B.A., SUNY, Binghamton; Ph.D., SUNY, Albany.

Samuel O. Ortiz, *Professor*, B.A., M.A., Ph.D., University of Southern California.

Melissa Peckins, *Assistant Professor*, B.S., M.S., Ph.D., Pennsylvania State University.

Miguel Roig, *Professor*, B.A., The New Jersey City University; M.A., St. John's University; Ph.D., Rutgers University.

Marlene Sotelo-Dynega, *Associate Professor*, B.S., M.A., Psy.D., St. John's University.

Mark D. Terjesen, *Professor*, B.A., Boston University; Ph.D., Hofstra University.

Robin L. Wellington, *Associate Professor*, B.S., University of Maryland; M.S., Ph.D., University of Pittsburgh.

Imad Zaheer, *Assistant Professor*, B.A., Binghamton University; M.Ed., Ph.D., Lehigh University.

Zheng Zhou, *Professor*, B.A., Suzhou University, China; M.S., Tulane University; Ph.D., Columbia University.

Sociology and Anthropology

Natalie Byfield, *Professor*, B.A., Princeton University; Ph.D., Fordham University.

Judith N. DeSena, *Professor*, B.A., CUNY, Brooklyn College; Ph.D., CUNY.

Anne Galvin, *Associate Professor*, BA., MA., Wheaton College; Ph.D. New School for Social Research.

Alana Glaser, *Assistant Professor*, B.A., University of North Carolina at Chapel Hill; M.A., New York University; Ph.D., Northwestern University.

Michael Indergaard, *Professor*, B.A., St. John's University of Minnesota; M.A., Ph.D., Michigan State University.

Omar Montana, *Assistant Professor*, B.A. CUNY, Queens College; M.A., M.Phil., Ph.D. CUNY, The Graduate Center.

Anthony B. Rodriguez, *Assistant Professor*, B.A., Brown University; M.A., Ph.D., University of Southern California.

Joseph Trumino, *Associate Professor*, B.A., Fordham University; M.A. CUNY Hunter College; Ph.D., CUNY Graduate Center.

Roberta Villalón, *Professor*, M.A., University of Texas, Austin; Ph.D., University of Texas, Austin.

Yue Zhuo, *Associate Professor*, B.A. Tianjian University, China; M.A. Nankai University, China; Ph.D. SUNY, Albany.

Theology and Religious Studies

Meghan Clark, *Associate Professor*, B.A., Fordham University; M.A., Ph.D., Boston College.

Francis Connolly-Weinert, *Associate Professor*, B.S., St. Joseph's University; M.A., Maryknoll School of Theology; Ph.D., Fordham University.

Jeremy Cruz, *Associate Professor*, B.A., University of California at Riverside; M.Div., Ph.D., Boston College.

Christopher Denny, *Associate Professor*, B.A., St. John's College, MD; M.A., Ph.D., Catholic University of America.

John Fitzgerald, *Associate Professor*, B.A., Princeton University; J.D., University of Notre Dame Law School; Ph.D., The Catholic University.

Patrick Flanagan, C.M., *Associate Professor*, B.S., Niagara University; M.Div., Mary Immaculate Seminary; Ph.D., Loyola University Chicago.

David W. Haddorff, *Associate Professor*, B.A., University of Northern Colorado; M.A., Wheaton College Graduate School, IL; Ph.D., Marquette University.

Joann Heaney-Hunter, *Associate Professor*, B.A., M.A., St. John's University; Ph.D., Fordham University.

Erin Kidd, *Assistant Professor*, B.A., Gordon College; M.A., University of Notre Dame; Ph.D. Marquette University.

Mark Kiley, *Associate Professor*, B.A., Boston College; Ph.D., Harvard University.

Paul Molnar, *Professor*, B.A., Cathedral College of the Immaculate Conception; M.A., St. John's University; M.Div., Immaculate Conception Seminary; Ph.D., Fordham University.

Habibeh Rahim, *Associate Professor*, B.A., University of Toronto; M.T.S., Harvard Divinity School; A.M., Ph.D., Harvard University.

Robert Rivera, *Associate Professor*, B.A., New York University; M.T.S., Harvard Divinity School; Ph.D., Boston College.

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.

Matthew Sutton, *Associate Professor*, B.A., M.A., University of St. Thomas; Ph.D., Marquette University.

Christopher P. Vogt, *Associate Professor*, A.B., College of the Holy Cross; M.T.S., Harvard Divinity School, Harvard University; Ph.D., Boston College.



The School of Education

James D. Wolfinger, Ph.D. *Dean*

Regina Mistretta, Ed.D., *Associate Dean for Faculty Development and Student Experience*

Gina Cicco, Ed.D., LMHC, NCC LMHC, NCC,
Associate Dean of Staten Island Campus and Faculty Development

Mirella Avalos-Louie, Ed.D., *Assistant Dean of Graduate and Alternative Programs*

Stephanie A. Shaw, Ed.D., *Assistant Dean for Marketing and Graduate Recruitment*

Edwin Tjoe, Ed.D., *Assistant Dean for Fiscal Affairs and Planning*

Linda Miller, M.A., *Director of Clinical Field Experiences*

Lily Scarabino, MSed, *Certification Office*

The University administration reserves the right, whenever advisable, to withdraw, cancel, reschedule or modify any course, program of study, curriculum, degree or any requirement in order to meet institutional requirements or those mandated by the New York State Teacher Certification.

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 Education/ 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. Adolescent /Special Education 7–12; 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). B.S.Ed./M.S.Ed. Childhood Education and Early Childhood, B.S. Ed./M.S.Ed. Childhood Education and TESOL, B.S.Ed./M.S.Ed. Adolescent Education and TESOL (5–12).

Core Values:

- Ethical Leadership
- Global Perspectives and Diversity
- Integrity
- Innovation
- Social Responsibility

About The School of Education

The School of Education offers a variety of programs and degrees that are in line with St. John's **mission** to ensure student success—and its identity as a Catholic, Vincentian, metropolitan, and global University

The purpose of The School of Education is to

- provide a vibrant learning experience that supports the intellectual, professional, and moral development of students;
- offer programs for student and societal needs, and enable students to function effectively as professional in a dynamic multicultural society;

- encourage students to develop a personal education philosophy consistent with the University's mission;
- foster basic and applied research in education and human services in an environment that encourages collaboration among students and faculty; and
- serve as a resource center to the educational community at large 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.

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 Adolescent Education for students wishing to teach in middle school and high school settings in grades 7–12.
- B.S. Ed./M.S.Ed. Childhood/TESOL
- B.S.E./M.S. Ed. Adolescent/TESOL
- B.S.Ed./M.S.Ed. Childhood/Special Education 1–6 for students wishing to prepare as teachers of grades 1–6 and prepares students for the challenges of inclusion.
- B.S.Ed./M.S.Ed. Adolescent /Special Education 7–12 for students wishing to prepare as teachers of grades 7–12 and 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.
- Academic content areas:
Adolescent Majors: English, Social Studies, Mathematics, Language, Science:
Biology/Physics.
- Middle School Extension—6 credit program for (Adolescent Majors extension grades 5–6) and (Childhood Majors extension grades 7–9).

Goals and Objectives

You are responsible for continually checking your St. John's email for important communication from The School of Education (SOE). You are also responsible for knowing and understanding the requirements for your program, including acceptable courses and grades and New York State certification exams and workshops.

The following exams are required for initial certification in Childhood Education (Grades 1–6)

and Adolescent Education (Grades 7–12) and must be completed prior to the end of junior year:

- Educating All Students (EAS)*
- Content Specialty-Multi-Subject (Childhood Education only)*
- Content Specialty-Content Specific (Adolescent Education only)*

The following workshops are required for initial certification in Childhood Education (Grades 1–6) and Adolescent Education (Grades 7–12):

- Violence Prevention Workshop*
- Child Abuse (aka Mandated Reporter) • Dignity for All Students Act (DASA)* • New York State Safety Workshop

* There are costs associated with exams and workshops.

You must also be fingerprinted by the end of your first year. Transfer students are given one academic year to complete fingerprinting.

Incoming first-year students and transfer students set up a TEACH account and complete all workshops and fingerprinting in their EDU 101 course. If you do not complete these tasks, you receive a grade of "X" (failing) and are required to meet with your undergraduate dean's office prior to the start of your second semester.

You must also be aware that changes to New York State certification requirements can occur at any time. The School of Education keeps you informed of these changes via the St. John's website and/or email.

You are also required to maintain a professional disposition that reflects the mission and goals of The School of Education. Failure to maintain these professional dispositions can result in dismissal from The School of Education.

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 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

You are responsible for continually checking your St. John's email for important communication

from The School of Education (SOE). You are also responsible for knowing and understanding the requirements for your program, including acceptable courses and grades and New York State certification exams and workshops.

The following **exams** are required for initial certification in Childhood Education (Grades 1–6) and Adolescent Education (Grades 7–12) and must be completed prior to the end of junior year:

- Educating All Students (EAS)*
Content Specialty-Multi-Subject (Childhood Education *only*)*
- Content Specialty-Content Specific (Adolescent Education *only*)*

This is completed during the student teaching requirement (usually the second semester of senior year)

The following **workshops** are required for initial certification in Childhood Education (Grades 1–6) and Adolescent Education (Grades 7–12):

- Violence Prevention Workshop*
- Child Abuse (aka Mandated Reporter)
- Dignity for All Students Act (DASA)*
- New York State Safety Workshop

* There are costs associated with exams and workshops.

You must also be fingerprinted by the end of your first year. Transfer students are given one academic year to complete fingerprinting.

Incoming first-year students and transfer students set up a TEACH account and complete all workshops and fingerprinting in their EDU 101 course. If you do not complete these tasks, you receive a grade of “X” (failing) and are required to meet with your undergraduate dean’s office prior to the start of your second semester.

In accordance with New York State law, The School of Education requires all students entering a five-year or pathway program that grants teaching certification to take the Graduate Records Exam (GRE) during their first semester of their junior year. Failure to complete this requirement results in removal from the program.

You must also be aware that changes to New York State certification requirements can occur at any time. The School of Education keeps you informed of these changes via the St. John’s website and/or email.

You are also required to maintain a professional disposition that reflects the mission and goals of The School of Education. Failure to maintain these professional dispositions can result in dismissal from The School of Education.

Assessment of Professional Qualities

DISPOSITION

New York State and national accreditation standards require The School of Education to monitor nonacademic behaviors. The Association for Advancing Quality in Educator Preparation requires that program completers display “dispositions and behaviors required for successful

professional practice.” (2020)

The dispositions are as follows:

COLLABORATION

- Displays a positive disposition toward working constructively with peers/colleagues
- Shares responsibilities on collaborative projects and contributes individual effort
- Displays a positive disposition toward working constructively with University faculty, administrators, and school personnel (if applicable).
- Displays a positive attitude regarding working constructively with students and their parents
- Honesty and Integrity
- The student demonstrates truthfulness, honesty, and trustworthiness
- Takes responsibility for his or her own actions
- Displays willingness to uphold commitments to self and others
- Displays high standards for professional integrity
- Submits original work
- Seeks support from professor and others where needed

RESPECT

- The student values and demonstrates consideration and regard for oneself and others
- Is respectful of cultural differences within the academic and global community
- Is sensitive to diverse life experiences
- Has a desire to work across difference and values diverse work ethics and environments
- Is open and sensitive to differing opinions and personal beliefs
- Negotiates disagreements appropriately and respectfully
- Maintains nonjudgmental and effective communication skills

PROFESSIONAL BEHAVIOR AND RESPONSIBILITY

- Accepts and accommodates constructive criticism
- Is conscientious and punctual
- Is an effective communicator (written and verbal)
- Models social skills, character traits, and dispositions desired in academic settings
- Is aware of the importance of professional appearance and demeanor
- Maintains professional standards of behavior with peers, professors, and children in classrooms (wherever appropriate)

COMMITMENT TO LEARNING

- Student models behavior that s/he would expect of her/his own students in:
- Completing all class work, field work, and assignment deadlines as required
- Seeks confirmation of ideas through course frameworks and additional readings
- Demonstrates dispositions toward lifelong learning
- Seeks clarification from professors for assignments and expectations

Transfer Students

External Students accepted by The School of

Education will receive an evaluation of their transfer record listing the courses applicable to their program of study at St. John’s University. Only courses with grades of C or better will be considered for transfer. Accepted students to the School will be notified of their acceptance by the Office of Transfer Student Services in order to schedule an advisement appointment to review their approved transfer credits and academic program per the dean.

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 traditionally accredited by some other type of agency (e.g., in New York State, the Board of Regents). International students or students with credits from another country will need to provide a foreign credential evaluation. An official course-by-course evaluation may be requested through these two approved agencies: Word Evaluation Services (wes.org) or the National Association of Credential Evaluation Services (naces.org).

All external transfer applicants to the School who have been awarded an A.A. or A.S. degree will fulfill the requirements for their baccalaureate in the School after successfully completing all requirements for their major including a) six semester hours in Philosophy and six semester hours in Theology; and b) the requirements for their selected 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 School must have a minimum 3.0 GPA.

All internal transfer students seeking admission to the School of Education must have a minimum 3.0 GPA. It is required that internal transfer students make an appointment to meet with an Academic Advisor in The School of Education Undergraduate Studies Office.

Advanced Placement and CLEP/credit-by-test

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 Undergraduate Studies Office. Credits for AP scores lower than a 5 will not be granted.

Upperclassmen who wish to take CLEP or other credit-by-test exams are required to receive prior written approval from The School of Education Undergraduate Studies Office if such credit is to be applied to their degree. CLEP and other credit-by-test scores will not be counted if approval is not given.

CLEP or other credit-by-test may only be done for a total of 9 credits over the course of the 4- or 5-year program. CLEP exams may not be used in

Education courses or in the student's concentration area.

Seniors may not take any CLEP or credit-by-test examination.

Honors Program

SCHOOL OF EDUCATION HONORS PROGRAM Curious. Driven. Exceptional.

These are the trademarks of those selected for The School of Education Honors Program at St. John's University. Students who participate in this program form a community of scholars who navigate the curriculum at an elevated level.

The Honors Program offers outstanding students the opportunity to maximize intellectual growth and experience personal enrichment. Students meet regularly with faculty and administrators in The School of Education, creating a space in which to explore equity, access, and culturally relevant teaching deeply and meaningfully.

Students in this elite program are engaged in experiential and seminar-based programs where course content is embedded in practice. Experiences provide students with the opportunity to develop and implement curricula, engage in action and reflective research, and study policy and practices related to education as a whole.

For more information:

Bernadette Zacharuk, Coordinator of Undergraduate Programs-718-990-2664-zacharub@stjohns.edu

Teacher Certification

Successful completion of all academic requirements, including student teaching, in an undergraduate program in The School of Education entitles a student to request and receive a university recommendation to the New York State Education Department for initial teacher certification.

In addition to the university recommendation which is provided by a School of Education certification officer through TEACH online, students seeking certification must register for, pay appropriate fees, and complete the following requirements.

- Mandatory Workshops
 - Child Abuse Prevention
 - Violence Prevention
 - Dignity for all Students (DASA)
 - NYS Safety Education
- Obtain Fingerprint Clearance
- Pass all required NYS Teacher Certification Exams (www.nystce.nesinc.com)
- Students seeking initial certification must be fully aware of the current requirements and regulations of the NYSED

The School of Education offers guidelines, contact information and important updates and we encourage you to visit the following website: stjohns.edu/academics/schools-and-colleges/school-education/certification-information

Requirements for teacher certification vary from state to state, therefore, students who seek

teacher certification outside of New York State should contact the appropriate State Education Department for information about 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 following website <http://data.nysed.gov/higheredcert.php?instid=800000081568>

Programs of Study

B.S.Ed. Childhood Education (1-6) 123 credits

This program requires the completion of course work in liberal arts (39 credits), professional education (54 credits) and an academic content area (24 credits). All students are required to complete a program of studies, which includes:

Liberal Arts	
University Core Curriculum	39 credits
Professional Courses	(54 credits)
EDU 101	0 credits
EDU 1000	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 1008	3 credits
EDU 1010	3 credits
EDU 1011	3 credits
EDU 1015	3 credits
EDU 1016	3 credits
EDU 1066	3 credits
EDU 1027	3 credits
EDU 1021	9 credits

Interdisciplinary Content Area 30 Credits

B.S.Ed. Adolescent Education (7-12) 120 credits

This program requires the completion of coursework in liberal arts (57 credits), professional education (42 credits) and an academic content area (30 credits):

- English
- Mathematics
- Social Studies
- Biology
- Language (Queens Only)
- Science: Biology or Physics (Queens Only)

All students are required to complete a program of studies which includes:

University Core Curriculum	(48 credits)
Professional Courses	(42 credits)
EDU 101	0 credits
EDU 1000	3 credits
EDU 1002	3 credits
EDU 1008	3 credits
EDU 1011	3 credits
EDU 1012	3 credits

EDU 1053	3 credits
EDU 1015	3 credits
EDU 1028	3 credits
EDU 1055	3 credits
EDU 1091, EDU 1092, EDU 1093, EDU 1094, EDU 1095 or EDU 1096 (based on content)	3 credits
EDU 1097	3 credits
EDU 1022	9 credits

B.S.Ed./M.S.Ed. Childhood Education/Special Education (1-6) 150 credits

Interdisciplinary Content Area:	30 credits
University Core Curriculum	39 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.)

Professional Courses (59 Undergraduate credits)

EDU 101	0 credits
EDU 1000	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 1066	3 credits
EDU 1027	3 credits
EDU 1021	9 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 3241	3 credits
EDU 3242	3 credits

B.S. Ed./M.S.Ed. Adolescent Education/ Special Education (7-12) 153 Credits

Academic Concentrations: 30 credits
University Core Curriculum: 48 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.)

Professional Courses (42 Undergraduate credits)

EDU 101	0 credits
EDU 1000	1 credits
EDU 1002	3 credits
EDU 1011	3 credits
EDU 1012	3 credits
EDU 1053	3 credits
EDU 1028	3 credits
EDU 1055	3 credits

EDU 1091, EDU 1092, EDU 1093, EDU 1094, or EDU 1096 (based on content)	3 credits
EDU 1097	3 credits
EDU 1022	9 credits

Nine (9) graduate credits are to be taken during senior year of the undergraduate program.

EDU 9704	3 credits
EDU 3215	3 credits
EDU 9706	3 credits
EDU 9003	3 credits
EDU 9719	3 credits
EDU 9726	3 credits
EDU 9742	3 credits
EDU 9705	3 credits
EDU 9744	3 credits
EDU 9711	3 credits
EDU 7267	3 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 (1-6) 162 credits

Interdisciplinary Content Area:	30 credits
University Core Curriculum	39 credits

Professional Courses (48 Undergraduate credits)

EDU 101	0 credits
EDU 1000	3 credits
EDU 1000H (honor students only)	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 1066	3 credits
EDU 1027	3 credits
EDU 1021	9 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 3220	3 credits
EDU 3230	3 credits
EDU 3200	3 credits
EDU 3210	3 credits
EDU 3240	3 credits
EDU 3200	3 credits
EDU 3250	3 credits
EDU 3264	3 credits
EDU 3270	3 credits
EDU 3283	3 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/TESOL (pathway program) 156 Credits

Interdisciplinary Content Area:	30 credits
University Core Curriculum	39 credits

Professional Courses (45 Undergraduate Credits)

EDU 101	0 credits
EDU 1000	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 1066	3 Credits
EDU 1027	3 Credits
EDU 1021	9 Credits

Nine (9) graduate credits are to be taken during senior year of the undergraduate program.

EDU 9001	3 Credits
EDU 9002	3 Credits
EDU 9006	3 Credits
EDU 9003	3 Credits
EDU 9004	3 Credits
EDU 9010	3 Credits
EDU 9012	3 Credits
EDU 9014	3 Credits
EDU 9015	3 Credits
EDU 9711	3 Credits
EDU 7266	3 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. Adolescent Education/ TESOL (pathway program) 153 Credits

Content Area:	30 credits
University Core Curriculum	48 credits

Professional Courses (48 Undergraduate Credits)

EDU 101	0 credits
EDU 1000	3 Credits
EDU 1002	3 Credits
EDU 1011	3 Credits
EDU 1012	3 Credits
EDU 1028	3 Credits
EDU 1053	3 Credits
EDU 1055	3 Credits
EDU 1091, EDU 1092, EDU 1093, EDU 1094, or EDU 1096 (based on content)	3 credits
EDU 1097	3 Credits
EDU 1022	9 Credits

Nine (9) graduate credits are to be taken during senior year of the undergraduate program.

EDU 9001	3 Credits
EDU 9002	3 Credits
EDU 9006	3 Credits
EDU 9003	3 Credits
EDU 9004	3 Credits
EDU 9010	3 Credits
EDU 9012	3 Credits
EDU 9014	3 Credits

EDU 9015	3 Credits
EDU 9711	3 Credits
EDU 7266	3 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. Adolescent Education/ Literacy (7-12) 147 credits

Content Area:	30 credits
University Core Curriculum	48 credits

Professional Courses (42 Undergraduate credits)

EDU 101	0 credits
EDU 1000	3 credits
EDU 1002	3 credits
EDU 1011	3 credits
EDU 1012	3 credits
EDU 1053	3 credits
EDU 1028	3 credits
EDU 1055	3 credits

EDU 1091, EDU 1092, EDU 1093, EDU 1094, or EDU 1096 (based on content)	3 credits
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EDU 1097	3 credits
EDU 1022	9 credits

Nine (9) graduate credits are to be taken during senior year of the undergraduate program.

EDU 7267	3 Credits
EDU 9711	3 Credits
EDU 3220	3 Credits
EDU 3230	3 Credits
EDU 3200	3 Credits
EDU 3215	3 Credits
EDU 3240	3 Credits
EDU 3255	3 Credits
EDU 3265	3 Credits
EDU 3270	3 Credits
EDU 3283	3 Credits

University Core Curriculum	57 credits
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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.)

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 (3 credits)

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. A student who has questions about the advisement process should consult the Undergraduate Studies Office. The student is scheduled by The Center for Student Success (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 Lourdes Hall. 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 at St. John's, and whose current grade point average 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. The pass-fail is not available for content courses or for education (EDU) courses; this includes student teaching. You may apply for the pass-fail option for three core (liberal arts) courses.

Application for the pass-fail option should be completed online (i.e., through the University Information System) by the last day designated for withdrawal from class without receiving academic penalty. See the Academic Calendar for specific withdrawal dates.

Honors

Summa Cum Laude	3.85
Magna Cum Laude	3.70
Cum Laude	3.50

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 to maintain a 3.0 cumulative quality point index. **Failure to maintain a 3.0 may result in not being able to Student Teach and/or dismissal from The School of Education.*

STUDENT TEACHING

Model 1

RAISE (Queens and Staten Island Students)

The School of Education offers a unique model of extended clinical practice called RAISE, Residency And Internship for St. John's Educators. This program places undergraduates in schools for a full year of student teaching as they near completion of their program. RAISE Residents complete two days of student teaching each week in their first semester of RAISE, and they complete five days of student teaching each week in their second semester of RAISE. Our RAISE Residents have the unique benefit of having School of Education Faculty and adjuncts embedded in their school placements with them. The Faculty teach courses to the Residents on-site in the field placement school. RAISE Student Teachers generally take 1–2 courses while enrolled in the RAISE program. These courses range from methods to theory.

1. Education course work is embedded in the field placement. Students will be advised to reserve 6 to 12 credits of Education courses for RAISE.
2. Student Teaching can only be completed at the end of program, with exception for those in a 5-year, dual, or career change program that will also require additional coursework or a practicum.
3. Observations and participation for student teaching must be done in an approved school under University supervision. The school site will be selected by the director of RAISE. Faculty and adjuncts in The School of Education will be embedded in the schools.
4. As noted in the RAISE application, requirements must be fulfilled prior to the first day of student teaching. This includes completing NYS mandated workshops and registering for certification exams and fingerprinting. Note: Virtus Training is only required for Catholic school placements.
5. Medical clearance as required when you were first accepted to St. John's must be met. Please note, however, some schools and districts may require you to submit health/medical forms for your placement to be confirmed.
6. Student is required to be present at their school assignment for two days per week in the first semester and five days per week in the second semester.
7. During RAISE, Residents will work with a faculty member or adjunct who is embedded in their school. Faculty teach courses, conduct seminars, and provide feedback on teaching. Seminar dates and times are established at the orientation meeting.
8. It is strongly recommended that students not be employed during the second semester of RAISE. If it is necessary, the hours should not interfere with the school site schedule.

Model 2

SUPERVISED STUDENT TEACHING (Queens only)

This program places undergraduates in schools for one semester of student teaching in their Senior Year.

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 Student 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. Medical clearance as required when you were first accepted to St. John's must be met. If all is in order no further action is necessary. Please note, however, some schools and districts may require you to submit health/medical forms for your placement to be confirmed.
3. Proficiency in education courses, general courses and areas of specialization.
4. Completion of ALL education coursework prior to student teaching, as determined by your advisor.
5. Completion of all state-mandated workshops: Violence Prevention, Child Abuse, DASA and NYS Safety Workshop.

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 Student Teaching requirements.

Applications for Student Teaching are approved by the Director of Field Experience. Applications for Student Teaching in both the fall and spring semesters should be submitted to the Field Experience Office. It is important and recommended that students use their St. John's email, as this will be the source of all communication regarding student teaching. In any event, students should feel free to call/visit the Field Experience offices at any time for information regarding student teaching. Field Experience Offices are located on the fifth floor of Sullivan Hall and third floor in DaSilva for Staten Island campus.

Please note: A student should successfully complete all prerequisites for Student Teaching in order to be placed as a Student 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 please contact The Undergraduate Studies Office for information.

Instructional Materials Center

The Instructional Materials Center (IMC) is a unique part of the University libraries support systems 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 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 Hall, Room 109 on the Staten Island campus.

Academic Fairness

To dispute grades please see the Undergraduate Studies Office on the necessary process.

Graduate Level Courses

Seniors who are student teaching are eligible to take one graduate course with approval by an Academic Advisor.

Honor Societies

Dean's Scholars (Staten Island Campus)

Dean's Scholars was founded in 1996. It 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. See the Undergraduate Studies Office for more information on becoming a Dean's Scholar.

JOHN DEWEY SOCIETY

Dr. Cicco is the moderator of the John Dewey Society, a student-led organization that values integrity, equality, service, and leadership. John Dewey believed education and learning are interactive and social processes. Educators help students develop skills that are beneficial to overall development, while accommodating diversity in students' learning styles.

The John Dewey Society is founded on a commitment to giving, serving, and inspiring teachers-in-training to promote societal changes and reforms and to work collaboratively to achieve excellence both academically and professionally. Members work to empower their peers and students, while engaging in the community to become experienced teachers and leaders.

The society sponsors a variety of workshops, guest speaker events, and service opportunities to allow members and nonmembers to learn about specific topics pertaining to education. Events are open to students of all majors and anyone who hopes to gain a greater appreciation for education and the role teachers play in the community.

Kappa Delta Pi

Kappa Delta Pi is an international Honor Society in Education, which aims to sustain an honored community of diverse educators by promoting excellence and advancing scholarship, leadership, and service.

Kappa Delta Pi at St. John's University inducts both undergraduate and graduate students who have achieved academic excellence and who are committed to service and professional development.

The vision of Kappa Delta Pi is to help committed educators be leaders in improving education for global citizenship individually and collectively, strive for a high degree of professional fellowship, leadership, and growth in the field of education, and serve their students and the educational community at large.

Professional Association

Kappa Delta Pi International Honor Society in Education is a prestigious organization that is dedicated to fostering a community of esteemed educators. By promoting excellence and advancing scholarship, leadership, and service, Kappa Delta Pi strives to create an inclusive environment for diverse educators. At St. John's University, the Kappa Eta Chapter of Kappa Delta Pi welcomes undergraduate, graduate, and doctoral students who have demonstrated academic excellence and a strong commitment to community service and professional learning. The vision of Kappa Delta Pi is to empower dedicated educators to become leaders in enhancing education for global citizenship. Members of Kappa Delta Pi are encouraged to cultivate a high degree of professional fellowship, leadership, and growth in the field of education. Furthermore, they are encouraged to serve their students and contribute to the educational community at large. Kappa Delta Pi members at St. John's University that exemplify the qualities required for both induction and membership are awarded the privilege of wearing distinguished honors cords during their graduation ceremony, symbolizing their status as esteemed graduates of St. John's University. For more information, please contact KDP St. John's University Faculty Advisor, Dr. Jordan González (gonzalezj@stjohns.edu).

Course Offerings

101 Introduction to Education (1-12)

This course will guide students on the New York State and School of Education program requirements for their program. Students will set up their TEACH account, complete all workshops, and complete fingerprinting. Failure to complete these requirements will result in the student being re-evaluated as a School of Education student. Credit: 0 semester hours.

1000 Foundations of Education (1-12)

Designed for pre-service teachers, 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 Adolescent (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 are required. *Credit: 3 semester hours.*

1003 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. Fieldwork required.*

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. Fieldwork required.*

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. Fieldwork required.*

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. Fieldwork required.*

1011 Human Relations and Multiculturalism (1–12)

Working with students with the full range of abilities as individuals and as members of groups, with emphasis on personal awareness and interpersonal communication. Parent and community involvement as well as focus on appreciation of the values and cultures of English language learners. Cooperative learning projects, seminars and individual projects will be carried out as models for classroom practice utilizing human relations skills and group dynamics. *Credit: 3 semester hours.*

1012 Language Acquisition and Literacy-Adolescent (7–12)

This course focuses on language acquisition and literacy development in students from grades 7–12 and English Language Learners. 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: 3 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 The Arts in Inclusive Settings (1–6)

This course examines the process of integrating the studio arts into the curriculum for students with the full range of abilities and considers various developmental influences from childhood through adolescence. *Credit: 3 semester hours.*

1021 Student Teaching and Seminar/ Childhood Education (grades 1–6)

- Completion of pedagogical coursework and approval by the Office of Field Experience.
- Observation and participation in teaching in an approved elementary school under University supervision.
- Student teaching experiences at the 1–3 and 4–6 grade levels.
- Mandatory weekly seminars as well as workshops are held on campus.
- Reflection on one's own teaching.
- Attendance is required at the school 4 ½ days a week.

See section for Supervised Student Teaching for prerequisites. Credit: 9 semester hours

1022 Student Teaching and Seminar/ Adolescence (7–12)

- Completion of pedagogical coursework and approval by the Office of Field Experience.
- Observation and participation in teaching in an approved school under University supervision.
- Student teaching experiences at the 7–12 grade levels.
- Mandatory weekly seminars as well as workshops are held on campus.
- Reflection on one's own teaching.
- Attendance is required at the school 4 ½ days a week.

See section for Supervised Student Teaching for prerequisites. 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 will be with special-needs children of the first-, second-, or third-grade level, and one experience will be with comparable children at the fourth-, fifth-, or sixth-grade level. Particular attention is paid to issues of assessment, diagnosis and evaluation of students with disabilities. *Weekly seminars are included. Credit: 6 semester hours.*

1027 Educational Theory to Practice- Childhood (1–6)

A course grounded in educational theory and research that informs instructional practices in today's elementary school classrooms. Focused on planning for instruction and

assessment, engaging students in classroom learning environments, and analyzing teaching effectiveness and learning outcomes concerning Common Core State Standards in English Language Arts and Mathematics. This course builds upon previous teacher preparation coursework, and serves as final preparation for the culminating student teaching experience and its related teacher performance assessment tasks. *Credits: 3 semester hours. Fieldwork required.*

1028 Educational Theory to Practice- Adolescent (7–12)

A course grounded in educational theory and research that informs instructional practices in today's secondary school classrooms. Focused on planning for instruction and assessment, engaging students in classroom learning environments, and analyzing teaching effectiveness and learning outcomes concerning Common Core State Standards in English Language Arts and Mathematics. This course builds upon previous teacher preparation coursework, and serves as final preparation for the culminating student teaching experience and its related teacher performance assessment tasks. *Credits: 3 semester hours. Fieldwork required.*

1041 First and Second Language Acquisition and Literacy Development (1–6)

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. Fieldwork required.*

1042 Literacy Development for Content Area Reading and Assessment (Prerequisite EDU 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.*

1053 Organizational Strategies and Classroom Environment (7–12)

This course examines theories and methodology of effective classroom management principles and the psychosocial development of adolescents,

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 adolescents in the secondary classroom. *Credits: 3 semester hours. Fieldwork required.*

1055 The Art of Writing for Educators (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, with specific focus placed on persuasive writing. Thereby understanding writing not only as a process, but also as a situated practice. Given that genres can shift across disciplines and literacy, speaking, and reading interact with writing, 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 will also promote writing across educational contexts for native English speakers and students who are English language learners. 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.*

1066 Math Content for Elementary Teachers: Digging Deeper

An in-depth study of the following topics in mathematics: number and numeration; operations and algorithms involving whole numbers, integers, and rational numbers; algebra; geometry; measurement; statistics; and probability. Connections to curriculum, instruction, and assessment related to mathematics content area are emphasized. Practices that nurture, develop, and sustain parental engagement and professional learning communities within schools are included. *Credit: 3 semester hours. Fieldwork required.*

1089 Curriculum Adaptation for Exceptional Students (1–6)

This course prepares teacher education candidates with the knowledge, skills, and dispositions necessary to provide instruction that will promote the participation and progress of students with disabilities in the general education curriculum and prepares candidates with competencies to work collaboratively with colleagues. Teacher education candidates across certification areas and age-ranges are exposed to research-validated professional practice that result in the creation effective instructional environments for all students, with specific focus on those students who are classified for special education services and supports with mild, moderate, and severe disabilities. The historical and sociological treatment of people with disabilities,

special education law, adapting curriculum and instruction, understanding Individualized Education Programs (IEPs), participating in IEP meetings, and advocacy and collaboration are also addressed. Candidates are provided with multiple opportunities to engage in reflective practice regarding the implications of course content to their specific educational disciplines in terms of personalizing instruction and building classroom communities that support the full diversity of learners. *Credit: 3 semester hours. Fieldwork required.*

1090 Behavior Management for Exceptional Students (1–6) (Prerequisite EDU 1089)

This course is concerned with the application of the principles of operant learning, focusing on the relationship between behaviors and environmental events (e.g., antecedents, and consequences), which influence behavior. The course also focuses on functional behavior assessment and positive behavior supports that lead to meaningful changes in environments and quality of life will be emphasized. The course participants will learn to follow evidence-based protocols to create and implement ethical and effective behavior interventions. *Credit: 3 semester hours. Fieldwork required.*

1091, 1092, 1093, 1094, 1096 Innovative Strategies in Secondary Settings (Content specific)

This course examines issues, perspectives, and strategies related to developing a critical pedagogy of reflective practice in secondary education, and is designed around four interrelated themes: 1) exploring models and theories related to methods of teaching and learning the content (i.e., math); 2) reviewing current literature related to teaching and learning the content 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. Course number is dependent on content area.*

1097 Research to Practice: Applications for Secondary Teaching and Learning

This corequisite 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. Fieldwork required*

Anthony Annunziato, *Associate Professor*, B.A., CUNY Queens College; M.S.Ed., CUNY Queens College; Ed.D., Teachers College Columbia University. Educational Administration; Educational Finance; Professional Development; Educational Policy.

James S. Bethea, *Associate Professor*, B.S., Mount Olive College; M.S., Boston University; Ph.D., The University of Iowa. Spirituality in Counseling; Students with Disabilities, Substance Abuse and International Rehabilitation in Poor and Developing Countries.

Brett Elizabeth Blake, *Professor*, B.A., State University of New York, Stony Brook; M.A., Northwestern University; Ph.D., University of Illinois at Chicago. Socio-cultural dimensions of adolescent language and literacy development among urban and English-language learners; language acquisition; gender equity; curriculum reform in middle schools.

James R. Campbell, *Professor*, B.S., Fordham University; M.S., Syracuse University; Ph.D., New York University. Instructional Process and Analysis; Gifted Education.

Elizabeth Chase, *Associate Professor*, Curriculum and Instruction, Ed.D., Teachers College, Columbia University M.S.T., Pace University, B.A., Barnard College, Columbia University.

XiaoJun June Chen, *Associate Professor*, B.A., Hunan University, China; M.Ed., University of Manchester, UK; Ph.D., Purdue University. Interdisciplinary learning and teams, issues of technology integration, international development and cultural perspectives on instructional technology.

Seokhee Cho, *Professor*, B.A., M.A., Ewha Women's University, Korea; Ph.D. in Ed. Psy., University of Alberta, Canada; Gifted Education, Educational measurement and evaluation, Cognitive Psychology, Learning Psychology, Individual differences, Education of Learning Disabled, Instructional Methodology, Teacher Training, Open Education, Early Childhood Education.

Gina Cicco, *Associate Professor*, B.S., M.S., Ed.D., St. John's University. Online instruction, the use of online education for counselors-in-training, partnerships among school counselors and teachers, perceptions on the role of school counselors.

Barbara Cozza, *Professor*, B.F.A., CUNY-Hunter College; M.S. CUNY-Hunter College; Ph.D. Fordham University. Curriculum and instruction, professional development, cognition, international education.

Catherine DiMartino, *Professor*, B.A., Haverford College; M.A., Teachers College, Columbia University; M.A., Graduate School of Arts and Sciences, Columbia University; M.S., Teachers College, Columbia University; Ph.D., New York University, The Steinhardt School of Culture, Education, and Human Development.

Robert Eschenauer, *Associate Professor*, B.A., St. Francis College; M.S., St. John's University; Ph.D., St. John's University; Adv. Certificate School Psychology, City College, Counselor Education; Assessment, Individual Counseling, Outcome Research, Therapeutic Communication, Clinical Hypnosis, Reflective Practice.

Jordan González, *Assistant Professor*, B.A., Cornell University; M.A., New York University; M.A., New School University; Ed.M, Teachers' College, Columbia University; Adv. Certificate in Adolescent Education, CUNY Hunter College; Adv. Certification in Educational Leadership, St. John's University; Ph.D., St. John's University.

E. Francine Guastello, *Associate Professor*, B.S., M.S., Ed.D., St. John's University. Literacy; Exploring multi-sensory techniques for teaching dyslexic children and adults; Effective practices in literacy leadership; Parental involvement in student academic success; Improving teacher effectiveness in writing instruction.

Smita Guha, *Associate Professor*, B.A., M.A., University of Calcutta; M.Ed., Ph.D. State University of NY at Buffalo. Math and Technology in Early Childhood Instructions.

Aliya E. Holmes, *Professor*, B.S., M.S., Ph.D., University of Albany. Teacher mentoring related to technology integration in the classroom, online learning, professional development.

Samuel E. Jackson, *Assistant Professor*, B.S., York College; M.A., Brooklyn College Graduate School of Education; Ph.D., The Graduate School and University Center, City University of New York. Urban Education.

Elena Jurasaitė-O'Keefe, *Associate Professor*, is an author of international comparative publications focused on how teachers learn in informal settings. Previously, she has worked as a Senior Research manager at the International Baccalaureate Organization. Earlier she worked as an Assistant Professor of Education at Hofstra University, NY, USA, lead an international child development program at the Open Society Fund-Lithuania, worked as a school principal, and taught English as a foreign language. She holds two doctoral degrees - from Siauliai University, Lithuania and University of Michigan, USA.

Ishita Khemka, *Assistant Professor*, B.A., Delhi University; M.A., Teachers College, Columbia University; Ph.D., Columbia University, NY Research in special education, intellectual and developmental disabilities and autism; interpersonal decision-making theory, peer-victimization, bullying, and abuse prevention training; arts and literacy.

Stephen Kotok, *Associate Professor*, B.A., University of Wisconsin; M.S., University of Pennsylvania; M.A., Teachers College, Columbia University.DD

Ming-hui Li, *Associate Professor*, B.A., Soochow University, Taipei, Taiwan; M.A., University of Colorado; Ed.D., Texas Tech University. Counselor Education; Stress and Self-Efficacy as Predictors of Coping; Counseling Socially Troubled Children and Parent-Child Relationships.

Mary Ann Maslak, *Professor*, B.M.T., B.M.E., Shenandoah University; M.Ed., Ph.D., Pennsylvania State University. Gender Equity in Education; Social Mobility and Education; International and Comparative Education.

Donald R. McClure, *Associate Professor*, B.Mus., Central Michigan University; M.Ed., University of Notre Dame; Ph.D., Michigan State University.

Maria Paula Mello, *Assistant Professor*, B.A., Swarthmore College, M.Ed., Ph.D., Vanderbilt University. Board Certified Behavior Analyst (BCBA). Intellectual and developmental disabilities, autism, independent living skills, postsecondary education, housing, and parent advocacy.

Regina Mistretta, *Professor*, B.S., St. John's University; M.S., Brooklyn College; Ed.D., Teachers College at Columbia University. Mathematics Education in Elementary, Middle and Secondary School Levels, Professional Development 1-8, Technology Education in Mathematics. Parental involvement in mathematical learning.

Nancy Montgomery, *Associate Professor*, B.S., M.S., Indiana University; Ph.D., New York University. Adolescent Education; English/ Literacy Education; especially the teaching of writing, writing with computers and cooperative learning; Arts Education.

Nancy Morabito, *Assistant Professor*, B.A., University of Virginia; M.Ed., Vanderbilt University; Ph.D., Vanderbilt University. Teacher's conceptions and Teachings of the nature of science.

Audrey Figueroa Murphy, *Associate Professor*, B.A., Queens College, Spanish Education; M.S., St. John's University, Bilingual Education; PD., Ed.D, St. John's University, Administration and Supervision.

Daniel Ness, *Professor*, Curriculum and Instruction, Ph.D., Columbia University, Graduate School of Arts and Sciences, M.S., Columbia University, Teachers College, M.A., Columbia University, Graduate School of Arts and Sciences, M.A., Columbia University, Teachers College, B.A., SUNY at Albany.

Barbara R. Peltzman, *Associate Professor*, B.S., Elementary Education, Mills College of Education, M.S., Early Childhood Education, St. John's University, EdD, Curriculum and Teaching, Teacher Education, Elementary and Early Childhood, Teachers College

Yvonne Pratt-Johnson, *Professor*, B.A.. State University of New York at Stony Brook; M.S., Georgetown University; M.A., M.Ed., Ed. D, Teachers College, Columbia University.

Heather Robertson, *Associate Professor*, B.A., Syracuse University, M.S., Texas A&M University; Ph.D., Virginia Tech.

Michael R. Sampson, *Professor*, B.S. East Texas State University; M.Ed., Texas A & M-Commerce; Ph.D., University of Arizona. Reading comprehension, English language acquisition and historical research as an author of children's literature.

Mary Beth Schaefer, *Associate Professor*, BA, Secondary Education, Queens College City University of New York, MA, English Literature, Queens College (CUNY), MA, Supervision and Administration, Texas Woman's University, EdD, Literacy, University of Pennsylvania

Qiana M. Spellman, Ed.D., Health Education, Teachers College, Columbia University; MS, Community Health Education, Teachers College, Columbia University; MS, Bilingual School Counseling, Long Island University; BS Psychology, Xavier University

John Spiridakis, *Professor*, B.A., State University of New York at Stony Brook; M.S., Ph.D., Florida State University.

Olivia G. Stewart, *Assistant Professor*, Education Specialties, Ph.D. Learning, Literacies, & Technologies, Arizona State University, M.Ed. Curriculum and Instruction in Language and Literacy, Arizona State University, B.A. Secondary Education and English, University of Arizona. Research in Multiliteracies, Digital literacies, Multimodal Composition, Digital Media.

Jenny Yang, Ed.D., Assistant Professor, B.S., Stony Brook University; M.A., Stony Brook University, Ed. D The School of Education, St. John's University

The Peter J. Tobin College of Business

Maciek Nowak, B.S.E., M.S.E., M.S.E., Ph.D., *Dean, Joseph H. and Maria C. Schwartz Distinguished Chair and Professor of Decision Sciences.*

Charles M. Clark, B.A., M.A., Ph.D., *Director, Center for Global Business Stewardship.*

Michele Dell'Anno, B.A., *Assistant Dean.*

Nina Dorata, B.S., M.B.A., Ph.D., CPA, *Associate Dean of Strategic and External Partnerships.*

Michael S. Fahid, B.S.Ed., M.P.S., *Assistant Dean.*

Adrian P. Fitzsimons, B.S., M.B.A., Ph.D., CPA, CISA, CMA, CFA, CFE, *Director for Academic Advisement.*

RoHiKa Hardas, B.S., M.B.A., *Assistant Dean.*

Niall C. Hegarty, B.S., M.B.A., Ed.D., *Director, Thomas J. Cox, Jr. Honors Program.*

Glenda Lander Lugo, B.S., M.B.A., Ed.D., *Assistant Dean.*

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 Tobin Programs, Staten Island Campus.*

William Reisel, M.A., M.B.A., Ph.D., *Director for Global Initiatives.*

Alma Rivera, B.A., *Academic Advisor, Manhattan Campus.*

Daniel Rubin, B.S., B.A., M.B.A., M.Phil., Ph.D., *Associate Dean for Academic Affairs & Innovation.*

Sheila M. Russell, B.A., M.A., *Senior Assistant Dean and Director of Fast Track Program Advisement.*

Carol J. Swanberg, B.S., M.B.A., *Assistant Dean, Staten Island 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, Business Analytics, Economics, Finance, Interdisciplinary Business, International Management, Management, Marketing, and Risk Management and Insurance.

The Maurice R. Greenberg School of Risk Management, Insurance and Actuarial Science, a division of The Peter J. Tobin College of Business offers the B.S. degree in Actuarial Science and Risk Management and Insurance. The first two years

of study for these programs are completed at the Queens 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 B.S. in Interdisciplinary Business allows students to select six advanced courses from the major disciplines in the Tobin College of Business. Thus, the student is able to create an independent, yet focused major within the B.S. in Interdisciplinary Business.

Fast-Track Program: The Tobin College of Business offers many Fast Track B.S./M.S. and B.S./M.B.A. programs. The Fast Track programs in Accounting, Business Analytics, Economics, Finance, Interdisciplinary Business, International Management, Management, Marketing, and Risk Management and Insurance 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 Tobin College of Business Fast-Track programs provide an economic and competitive advantage to St. John's University undergraduate students by reducing the financial burden of the graduate Tobin Master of Science and Master of Business Administration programs. Because the Fast-Track programs provide an opportunity for St. John's undergraduates to take up to four graduate classes during their senior year, students only need to complete the remaining graduate classes (24 credits or less) in their fifth year at our campuses or online. Applications for the Fast-Track programs should be completed by the end of your third year of study and admission is based primarily on undergraduate academic performance at St. John's. A grade point average of 3.0 to 3.25, program dependent, is required.

CPA Licensure Qualifying Program: The Fast Track Bachelor of Science in Accounting leading to a Master of Business Administration in Accounting, or a Master of Science in Accounting, Risk and Financial Advisory, Finance 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. Likewise, Bachelor of Science degrees with majors in Economics, Finance, Management, Marketing, and Risk Management and Insurance, leading to a Master of Science in Accounting, are registered/licensure qualifying programs.

Double Major: The Tobin College of Business permits double majors in the following areas: Business Analytics, Economics, Finance, Interdisciplinary Business, International Management, Management, Marketing, and Risk Management and Insurance. Double majors require the same 120 semester hours to graduate

and no additional tuition but results in two majors within the Bachelor of Science degree. The four Business/General electives and six major requirements are combined to provide 10 courses. Each major requires 18 credits with two courses designated by the faculty to be double counted for each major. Undergraduates applying for a double major should obtain approval from their academic adviser by the end of their second year of study. Admission is based primarily on undergraduate academic performance at St. John's.

Programs of study in the Tobin College of Business are reviewed from time to time. The faculty expressly reserves the right to make revisions 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 accredited 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 accountancy 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	4
Academic Electives	6-7

The recommended sequence of high school mathematics courses includes Algebra, Geometry, and Intermediate Algebra and Trigonometry.

For strong consideration, a fourth year of

mathematics, including calculus or statistics is preferred.

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 and College Extension Courses

Applicants to Tobin are encouraged to take examinations of the Advanced Placement (AP) program, as well as college extension courses. Credit is reviewed and awarded based on the scores/ grades earned, and the applicability to their selected degree program. Test results and/or transcripts should be sent to Office of Admission.

Transfer Student Policy

Credit may be considered 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). Students with credit from other countries will be asked to provide a credential evaluation from a NACES-member organization before credits are reviewed. Only courses with grades of C or better will be considered for transfer.

Students who wish to be considered for admission to the Actuarial Science major must have a cumulative GPA of a 3.0, or higher, and must take and have a "B" or better average in Calculus I and II.

Students planning to take their first two years of work at a community college are advised to take a majority of their work in the arts and sciences, including macro- and micro-economics and a strong background in mathematics. For strong consideration, it is recommended that students have pre-calculus or calculus complete prior to enrollment. Transfer students should take only those business courses that are offered 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. A grade of "B" or better is required for any major course consideration.

No remedial work will be accepted for transfer.

Degree Requirements

A minimum of 120 semester hours of credit is required for all non-actuarial science majors. Tobin students may complete a dual business major in Business Analytics, Economics, Finance, Interdisciplinary Business, International Management, Management, Marketing or Risk Management and Insurance. A minimum of 122 semester hours for Actuarial Science and the Risk Management: Quantitative Risk and Insurance track 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.

Actuarial Science majors must maintain an average GPA of 3.0, or higher, in MTH 1730, 1740, ACT 2322, 2333, and 2334 in order to progress in the Actuarial Science program, (or in order to register for ACT courses of 3000-level or higher.)

Please refer to the Core Curriculum section in the front of the bulletin and consult the Tobin Office of Undergraduate Programs for most current degree requirements.

We reserve the right to make program changes, as necessary.

Basic Liberal Arts Core

All Majors Except Actuarial Science major and Quantitative Risk and Insurance track in Risk Management and Insurance Major

BUA 1333	3
ECO 1301	3
ECO 1302	3
ECO 1320	3
ENG 1100	3
FYS 1000*	3
FYW 1000	3
HIS 1000**	3
Language***	6
Liberal Art Electives****	9-15
PHI 1000	3
PHI 2220 or THE 3305	3
PHI 3000*****	3
SCI 1000	3
SPE 1000	3
THE 1000	3
THE: Sacred Texts*****	3

Actuarial Science majors and Quantitative Risk and Insurance track in Risk Management and Insurance Major only:

Instead of BUA 1333, must take:	
MTH 1730	4
MTH 1740	4

Total 60-62

* External transfer students transferring less than 24 credits may be required to complete FYS 1000. If social science transfer credit was not already awarded to substitute this credit, students should see the Tobin Office of Undergraduate Programs to determine an alternate course to complete this credit requirement.

** External transfer students who have taken an applicable history course may receive 3 credits for HIS 1000.

*** International Management majors, **only**, must complete 2 semesters of foreign language.

**** Required number of Liberal Art Elective credit is dependent upon major.

***** External transfer students who have earned an associate degree, prior to enrollment, may be waived from THE: Sacred Texts and/or PHI 3000, provided they have liberal art transfer credits, in excess of degree requirements, to substitute these course(s).

Basic Business Core

Accounting majors:

ACC 2370	3
ACC 2371	3
AIS 2354	3
BUA 2334	3
Business Elective	6
FIN 2310	3
General Elective	3
LAW 1310	3
MGT 1301	3
MGT 4329	3
MKT 2301	3
RMI 1301	3

Note: Business Core may vary if pursuing a Fast Track program.

Actuarial Science majors:

ACC 2370	3
Business Elective	3
FIN 3311	3
FIN 3388	3
LAW 1310	3
MGT 1301	3
MGT 3325	3
MGT 4329	3
MKT 2301	3
RMI 1301	3
RMI ELEC	3
TECH ELEC	3

Note: Business Core may vary if pursuing a Fast Track program.

Quantitative Risk and Insurance track in Risk Management and Insurance major:

ACC 2370	3
BUA 2334	3
Business Elective	3
FIN 3311	3
FIN 3388	3
General Elective	6
LAW 1310	3
MGT 1301	3
MGT 3325	3
MGT 4329	3
MKT 2301	3
RMI 1301	3
TECH ELEC	3

Note: Business Core may vary if pursuing a Fast Track program.

Non-Accounting, Non-Actuarial Science and Non-Quantitative Risk and Insurance track majors:

ACC 2370	3
BUA 2334	3
Business Elective*	6-9
FIN 2310	3
General Elective	6
LAW 1310	3
MGT 1301	3
MGT 3325	3
MGT 4329	3
MKT 2301	3
RMI 1301	3
TECH ELEC**	3

* BUA majors, **only**, require 9 credits of BUS ELEC, 3 credits of which will replace the TECH Elective.

** The TECH ELEC for the Economics and Finance majors are ECO 3345 and FIN 3309, respectively.
Note: Business Core may vary if pursuing a FastTrack program.

Total 36–39

Fields of Specialization

Accounting:

(Queens)

ACC 3372, 3373, 4345; AIS 3355; TAX 3361 15

Professional Electives:

6 credits from 3000 or 4000 level ACC/AIS/TAX courses. 6

TOTAL 21

Actuarial Science:

(Manhattan)

ACT: 2322, 2333, 2334, 3335, 3336, 3349, 4347, 4348.

TOTAL 24

Business Analytics:

(Queens)

BUA 3330, 3336, 3337, 3350 12

Professional Electives:

Chose one course from Analytics Electives:

BUA 3310, 3311, 3312, 3313, 3338, 3346, IS 1332, 3339, 3347, 3351, 3352 3

Choose one course from Applied Electives:

ACC 3352, ECO 3345, FIN 3339, FIN 3388, MGT 4324, MKT 3313, RMI 3388 3

TOTAL 18

Economics:

(Queens)

ECO 3303, 3341, 3343 9

Professional Electives:

9 credits from the following:

ECO 3306, 3307, 3313, 3328 3335, 3344, 3346, 3348, 3349, 3360, 3361, 4340, 4350, 4399, 4400; no more than three credits from outside of economics; FIN 3311, 3312, 3315, 3316, 3318, 4317; MKT 3312. 9

Note: Economics majors are urged to take ECO 4350 among their elective courses.

TOTAL 18

Finance:

(Queens)

FIN 3311, 3312 6

Professional Electives:

12 credits from the following:

FIN 3315, 3316, 3318, 3319, 3351, 3388, 4314, 4317, 4320, 4327, 4328, 4339, 4350, 4351, 4399, 4400, and ECO 3345. 12

Note: Finance majors are urged to take FIN 4350 among their elective courses.

TOTAL 18

Interdisciplinary Business

(Distance, Manhattan, Queens)

Professional Electives:

18 credits from 3000 or 4000 level courses offered by Departments within The Peter J. Tobin College of Business.

Students in the B.S. Interdisciplinary Business degree program may select the coursework of any minor as a track within this major.

TOTAL 18

International Management

(Queens, Manhattan)

IB 3341, MGT 3391 6

Professional Electives:

6 credits Global Experience: Global Destination Course (GDC), Global-oriented Internship, IB 4312 (GLOBE) or a maximum of 3 credits of chosen language. 6

6 credits from the following:

IB 4312; MGT 2331, 3339, 4326, 4334, 4338; MKT 3317; GDC 6

TOTAL 18

Management:

(Queens)

MGT 2331, 3323 6

Professional Electives:

12 credits from the following: MGT 3310, 3330, 3332, 3336, 3337, 3339, 3340, 3342, 3344, 3346, 3353, 3391, 4311, 4320, 4324, 4326, 4333, 4334, 4335, 4336, 4338, 4347, 4348, 4399, 4400, IB 3341, 4312. 12

TOTAL 18

Marketing:

(Queens)

MKT 3311, 3312 6

Professional Electives:

12 credits from the following: MKT 3305, 3306, 3307, 3308, 3309, 3310, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3324, 3325, 3326, 3327, 3328, 3330, 3331, 3332, 3350, 4305, 4306, 4316, 4318, 4350, 4399, 4400, IB 3341, 4312. 12

TOTAL 18

Risk Management and Insurance*:

(Manhattan)

RMI 3335, 4360, 4390 and RMI 3333 or RMI 4334 12

Professional Electives:

6 credits from the following: RMI 3350, 3361, 3388, 4311, 4364, 4399, 4400 6

TOTAL 18

Quantitative Risk and Insurance Track:

ACT 2322, 2333, 2334 9
RMI 3388 3

Professional Electives:

6 credits from the following:

RMI 3333, 3335, 3350, 4311, 4334, 4364 6

TOTAL 18

Certificate in Risk and Insurance

The Certificate 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 stjohns.edu/academics/undergraduate/tobin/risk.

Certificate Courses

RMI 1301	Principles of Risk Management and Insurance
RMI 3333	Commercial Property Risk Management and Insurance
RMI 3335	Life, Health and Employee Benefits
RMI 3361	Insurance and Alternative Risk Transfer
RMI 4334	Commercial Liability Risk Management and Insurance
RMI 4360	Corporate Risk Management
RMI 4364	Reinsurance
RMI 4390	Insurance Industry Operations

Double Majors

Please see the Tobin Office of Undergraduate Programs for program and course requirements for the Dual Business majors in Business Analytics, Economics, Finance, Interdisciplinary Business, International Management, Management, Marketing, and Risk Management and Insurance.

Minors

In addition to The Peter J. Tobin College of Business minors offered below, Tobin students may choose a minor from another college within St. John's University. All minors must be chosen in consultation with a Tobin College of Business Advising Dean. Most minors cannot be completed within the normal credit hour requirements of the baccalaureate degree. Students may declare a minor upon completion of 24 credit hours at St. John's University.

All prerequisites, including BUA 1333 or MTH 1320 or equivalent must be met (*consult the current undergraduate bulletin*).

There may be no overlap of courses between major and minor. In addition, for Tobin students, only one course may overlap with the minor and the Business Core.

Accountancy Minors

Accounting

12 credits

ACC 2370, ACC 4345, TAX 3361, 3 credits ACC or AIS Elective at 3000 or greater level.

Accounting Information Systems

12 credits

ACC 2370, AIS 2354, AIS 3355, and 3 credits AIS Elective at 3000 or greater level.

Business Analytics Minor

12 credits

BUA 2334, plus 9 credits (3 courses) from: BUA 3310, 3311, 3312, 3313, 3336, 3337, 3338, 3346, 3350, IS 3339, 3347, 3351, 3352.

Economics Minor

15 credits

ECO 1301, 1302 plus 9 additional credits of 3000- or 4000-level Economics courses.

Finance Minor

12 credits

FIN 2310, plus 9 additional credits of 3000- or 4000- level Finance courses..

Financial Technology (FinTech) Minor

12 credits

FIN 2310, 3319, 4320 and 4321.

Law Minor

12 credits

LAW 1310, plus 9 credits (3 courses) from the following: a minimum of 6 credits must be taken from Tobin course offerings: LAW 3313, 3314, 3315, 3316, 3317.

Management Minors

Entrepreneurship and Small Business Management

12 credits

MGT 1301, MGT 3310, MGT 4311; and choose 3 credits (1 course) from ACC 2370 (non-Tobin students only), LAW 3316, MKT 3322, MGT 3346.

Global Supply Chain Management

12 credits

MGT 3325, plus 9 credits (3 courses) from: MGT 3330, 3344, 4326, 4338; IB 3341.

Human Resource Management

12 credits

MGT 1301, MGT 3332, MGT 4335, plus 3 credits (1 course) of MGT 4333, 4334, 4336.

Upon successful completion of the above coursework, students will have the opportunity to sit for certification exam offered by the Society for Human Resource Certificate Institute (HRCI).

International Management

12 credits

MGT 1301, plus 9 credits (3 courses) from the following: MGT 3339, 3391, 4334, 4338, IB 3341.

Organizational Management

12 credits

MGT 1301, MGT 2331, plus 6 credits from the Management department course offerings other than the MGT core.

Sustainability and Social Enterprise

12 credits

MGT 1301, 3336, 3353; plus 3 credits (1 course) from the following: IB 4312 (with faculty approval) or MGT 3337, or ACC 3358.

Marketing Minors

Experiential Marketing

12 credits

MKT 2301, 3309; plus 6 credits (2 courses) from the following: MKT 3313, 3314, 3316, 3318, 3319, 3320, 3322, 3350, 4399.

General Marketing

12 credits

MKT 2301, plus 9 credits (3 courses) of 3000- or 4000-level Marketing courses.

Human-Centered Business Design

12 credits

MKT 2301, plus 9 credits (3 courses) from: 3309, 3311, 3322, 3331, or 3350.

Marketing Analytics

12 credits

MKT 2301, 3313, plus 6 credits (2 courses) from: 3312, 3319, 3330, or 4399.

Marketing of Services

12 credits

MKT 2301, plus 9 credits (3 courses) from: MKT 3309, 3313, 3320, 3321, or 3350.

Risk Management and Insurance Minor

12 credits

RMI 1301 plus 9 credits (3 courses) from the following: RMI 3333, 3335, 4334, 4360, 4390.

Sports Leadership and Branding Minor

13 credits

BUS 1101, MGT 2331, MKT 3319, plus 6 credits (2 courses) from MGT 2360, 3310, MKT 3314, or SPM 1036

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

Applied Finance Institute

The Applied Finance Institute (AFI) provides the opportunity for high-performing finance majors and minors to distinguish their achievements by joining the Applied Finance Fellows Program.

AFI Fellows benefit from applied and experiential finance curricular and co-curricular activities, relevant for careers in finance. Scholarships are available to AFI Fellows for CFA prep course and sponsorship, finance GDC course, and finance conferences. AFI Fellows receive preferential access to many finance-related events. A graduation medallion and Certificate of Completion are earned after meeting all the AFI Fellows program requirements: taking an applied experiential-designated finance course (which may also fulfill your major/minor requirement), participating in the required set of applied/experiential activities, and maintaining adequate grades.

Undergraduate students are encouraged to apply after taking Foundations of Finance (FIN 2310), in their sophomore or junior year. The requirements to apply are 3.3 overall GPA and at least a grade of B- in every finance course. To inquire about joining the Applied Finance Fellows program, please contact AFI Executive Director, afi@stjohns.edu.

Executive-in-Residence Program

The Executive-in-Residence Program (EIRP) builds from the overall mission of the Tobin College of Business: to provide students with experiential learning opportunities that prepare them to be effective leaders in business and in society. Under the guidance of select Tobin faculty, EIRP students execute real-world business strategy and management consulting engagements for prominent organizations in the New York City metro area. Students in the program develop expertise in how to critically analyze the strategic challenges and opportunities that their clients confront. They use these analyses to generate actionable recommendations that EIRP student teams communicate back to clients through professional presentations and written reports.

Student participation in EIRP is highly competitive and generally open to Tobin's top senior undergraduates who have attained a cumulative GPA of at least 3.5/4.0. Students who satisfy EIRP prerequisites are invited to interview for the program during their junior year. Those selected into the program are organized into cohorts of 18 students who participate in EIRP over two semesters. Participation in EIRP satisfies the requirements of MGT 4329 – Managerial Strategy and Policy (i.e., which is required for all undergraduate business students).

National Student Advertising Competition

The National Student Advertising Competition (NSAC) provides students with real-world experience in developing and executing a strategic marketing campaign for a corporate client. Competing against schools nationwide, the American Advertising Federation (AAF) sponsored competition culminates with students pitching their campaigns to esteemed industry professionals.

Student participation in NSAC is highly competitive. Those interested are encouraged to apply to and interview for the program during the Spring semester of their junior year. Those

selected for the program participate in NSAC over two semesters, satisfying course requirements for MKT 4305 – Advertising Research and MKT 4306 – Advertising Project.

Scholars Program

The Department of Accountancy's Scholars Program is an exciting and innovative program which features the opportunity for accounting majors to complete a full-time winter internship in the spring semester of the fourth year of study. These "busy season" internships are full-time from January through March and generally lead to job offers which start after graduation in the fifth year. Students in the Scholars Program have completed internships at Big-4 CPA firms, national CPA firms, Fortune 100 companies, government agencies, and a host of other organizations. The program features professional development seminars, office visits to Big-4 and national CPA firms, a Global Destination Course, and service opportunities. Admissions into the program is selective and requires a minimum GPA of 3.75 at the end of sophomore year or acceptance into the TJC Honors Program. Scholars Program alumni have a high success rate on the CPA exam, with CPA licensure, and in their respective careers.

Thomas J. Cox, Jr. Honor's Program

The Dean's Distinguished Scholars Program brings together a limited number of high performing students in specific courses designed to challenge, enhance, and improve the learning experience delivered by Tobin. Students will be expected to conduct research with professors, complete internships, participate in co-curricular activities geared towards improving business acumen, and participate in a college-sponsored global destination course. This program seeks to produce graduates that can readily contribute to an organization at a high level or proceed to advanced study at the graduate level. Students must maintain a 3.5 GPA within both their major and overall average to remain in the program.

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 junior 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.

GSRM Apprenticeship Program

The Ellen Thrower Center for Career Services at The Greenberg School of Risk Management, Insurance and Actuarial Science (GSRM) administers the GSRM Internship & Apprenticeship Program, allowing students to apply their classroom knowledge to paid professional work with major employers in the insurance, risk and financial services industry.

The program helps students prepare and connect with employers who are offering one semester internships or multiple semester "apprenticeship" opportunities. The program is open to undergraduate students in Risk Management & Insurance and Actuarial Science with a minimum cumulative index of 3.0. Participants attend a pre-placement session prior to employer referrals. Work schedules may include full-time (35 hours/week) employment during summer and part-time (15-20 hours/week) during spring and fall semesters. Students who complete a multiple semester apprenticeship will have the experience noted on their academic transcript. Students may also pursue academic credit through an internship course after consulting with their Tobin

Student Managed Investment Fund

The undergraduate Student Managed Investment Fund (SMIF) allows students an opportunity to manage a real equity portfolio, valued at close to \$5 Million dollars. The fund is currently offered to undergraduate students through two courses (FIN 4327 & 4328), allowing students to partake in the fund for up to two semester. The courses are among the flagship offering of the department, and as demand for the courses is high, students must submit an applications in order to gain admission. Applications are available from all student advisors in the Undergraduate Programs Office, and from the SMIF Instructors, and are due on the third Friday in November (for spring classes) and April (for fall classes).

The courses are designed to give students hands-on experience at performing investment research, investing money and managing a real portfolio prior to entering the work force. Students are expected to generate investment ideas, research investment opportunities and make recommendations based on their analysis. Some of the research is performed individually while most of the work is conducted in teams. Students make heavy use of the FactSet and Bloomberg software tools as part of their work. Upon completion of their research, student analyst teams deliver presentations to their classmates and may recommend the purchase or sale of securities. The class votes on the recommendations, and, if approved, a second presentation is delivered to the funds Investment Committee comprised of Tobin College of Business faculty, a representative from Business Affairs, and various guest business executives. If the Investment Committee approves the recommendation, the transaction is executed.

Volunteer Income Tax Assistance Program

The Volunteer Income Tax Assistance Program (VITA) at St. John's University is a "virtual" tax preparation center housed in the Tobin College of Business. The VITA program is partnered with the Food Bank for New York City. Each tax season, student volunteers are required to pass an e-learning course and exam administered by the Internal Revenue Service (IRS), participate in an eight-hour tax software training session, and volunteer approximately 4 hours per week during tax season.

The VITA program is open to all University students who meet the IRS requirements and allows for application of technical and communication skills to real income tax scenarios. The VITA program exemplifies the University's Vincentian mission by providing valuable services to clients who could not otherwise afford professional tax services. VITA clients typically receive tax refunds through the refundable Earned Income Tax Credit, which can be used to pay for essentials such as food, clothing, and housing. Annually, KPMG through matched alumni gifts awards scholarships to VITA student volunteers.

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
- Ascend-Pan Asian Student Organization
- 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 is available to a student whose current cumulative grade point average is at least a 2.0 and has completed at least 24 semester hours at St. John's University. Students may pass/fail courses in the Liberal Art Core (*except BUA 1333-Modern Statistics I*) or a General Elective, **ONLY**. Additionally, courses in the Business Core, major field or minor sequence may **NOT** be pass/failed.

A maximum of 12 credits may be taken pass/fail, with no more than any one course in a given

semester. 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 or minor 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 deadline. A student may also change the status from the Pass-Fail Option to a regular grade up until the withdrawal deadline.

Academic Standing and Degree Progression

Academic standing is based on a semesterly review of a student's academic progress. Students who fail to satisfactorily progress will be placed on academic probation. Academic probation can lead to a discontinuance of future course registration. To remain in good academic standing, a student must maintain a minimum grade point average of 2.0 both cumulatively and in their major field of study.

If a student falls under a 2.0 cumulative grade point average, the following probation standards for continued study at The Peter J. Tobin College of Business are implemented: a minimum 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. Eligibility for future registration will be dependent on satisfactory progress within the required credit hours of a student's degree. **Course registration in excess of degree requirements to meet the 2.0 grade point average is not permitted.**

If a student is placed on probation they are permitted to register for a maximum of 15 credits, and must meet any additional standards for progression as outlined in their probation letter. Please contact the Tobin Undergraduate Program Office for information concerning these requirements

A full-time student's program may range from a minimum of 12 to a maximum of 18 hours (credits) per semester. First Year students' schedules are typically 15 semester hours (credits). A student who receives a grade of F for a required course must repeat the course. Please refer to the Office of the Registrar section of this Bulletin for additional information regarding the University's Repeat "F" Policy.

Both a cumulative and major field grade point average of at least a 2.0 are required for graduation.

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 4329 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 29, i.e., Managerial Strategy and Policy.

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 or BUA 1333 has been completed.

Accountancy

Benjamin R. Silliman, Ed.D., C.P.A., Chair

ACC 2370 Financial Accounting and Reporting

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 2371 Intermediate Accounting I

Prerequisite: ACC 2370, or an equivalent course. The use of accounting in the control and reporting of business transactions and events are examined using U.S. and international financial reporting standards as a means of communicating necessary information to interested parties. Topics affecting income determination and conformity with GAAP, such as, accounting for current assets, long-term assets, and intangible assets are examined. *Credit: 3 semester hours.*

ACC 3372 Intermediate Accounting II

Prerequisite: ACC 2371, or an equivalent course. Financial statements, account balances, and business transactions and events are analyzed using U.S. and international financial reporting standards as the means of communicating necessary information to interested parties. Topics affecting income determination and conformity with GAAP, such as, accounting for current liabilities and contingencies, long-term liabilities, stockholders' equity, dilutive securities and earnings per share, investments, revenue recognition, as well as accounting and the time value of money, are examined. *Credit: 3 semester hours.*

ACC 3373 Intermediate Accounting III

Prerequisite: ACC 3372. 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 interested parties. Topics affecting income determination and conformity with GAAP, such as, accounting for income taxes; pensions and post-retirement benefits; leases; accounting changes and error analysis; statement of cash flows; full disclosure in financial reporting; partnership: formation, operation, termination, and liquidation; as well as, SEC financial reporting requirements are examined. *Credit: 3 semester hours.*

ACC 4343 Advanced Accounting I

Prerequisite: ACC 3373, or an equivalent course. 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: 3 semester hours.*

ACC 4344 Advanced Accounting II

Prerequisite: ACC 3373, or an equivalent course. 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: 3 semester hours.*

ACC 4345 Cost Accounting

Prerequisite: ACC 2370 or an equivalent course. Techniques and methods associated with cost accounting, including product costing; planning

and control in both functional-based and activity-based costing systems; as well as, key elements of cost accounting 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 4358 Sustainability Accounting and Reporting

Prerequisite: ACC 2370 or an equivalent. This course introduces students to (a) the fundamental concepts of corporate sustainability and how sustainable development issues influence company accounting and reporting practices, (b) the systems and procedures that help ensure sustainability issues are considered in decision making and reporting, (c) the accounting tools to help assess and manage the social and environmental impact of business operations, as well as, (d) contemporary approaches and techniques to account for a company's social, economic, and environmental impacts. *Credit: 3 semester hours.*

ACC 4360 Sustainability Implementation and Disclosures

The background and subject matter of sustainability information reporting, sometimes referred to as Corporate Social Responsibility (CSR), reporting are examined. Publicly available and internationally recognized guidelines and standards are introduced and how firms can best select, organize and present their CSR disclosures. *Credit: 3 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 junior accounting majors with 60 credits completed and a 2.75 cumulative index and at least one semester of academic credit completed at St. John's University. Coursework appropriate to the internship and permission of the Department 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. *Credit: 3 semester hours.*

Assurance and Information Systems (AIS)

AIS 2354 Accounting Information Systems I

This course provides a comprehensive overview of information technology applications used in the accounting profession. These applications allow the accountant to gather and transform data into useful decision-making information. *Credit: 3 semester hours.*

AIS 3355 Accounting Information Systems II

Prerequisite: ACC 2370. Various accounting information and communication systems controls used by an entity with complex systems to monitor and to assess system risks are examined. Potential weaknesses in systems are identified to enable students to recognize appropriate mitigation controls. *Credit: 3 semester hours.*

AIS 4347 Principles of Auditing

Prerequisite: ACC 3373 or an equivalent course. Auditing theory and techniques are introduced and applied to audits of financial statements and internal controls over financial reporting. Auditing standards promulgated by the AICPA, PCAOB, and IAASB are discussed. *Credit: 3 semester hours.*

AIS 4348 Advanced Auditing

Prerequisite: ACC 4347 or an equivalent course. The selection and application of auditing procedures to specific assertion objectives, risks, and internal controls relating to balance sheet and income statement accounts, business transactions and events, and overall financial statement presentation and disclosure are examined. Various reports rendered and other services provided by Certified Public Accountants are examined. *Credit: 3 semester hours.*

AIS 4356 Principles of Internal Audit

Prerequisite: ACC 2370 or an equivalent course. The objectives, concepts, principles, and techniques of internal auditing are covered, including the role of the internal auditor; types of audits; enterprise risk management; and the planning, performance, communication, and follow-up of audit. *Credit: 3 semester hours.*

AIS 4360, Fraud Examination

Prerequisite: ACC 2370 or an equivalent course. This course will help students understand the ways business-related fraud and occupational abuse occur and identify areas of exposure. Various prevention, detection, and investigation techniques will be explored. The course will focus on frauds that have occurred in recent years and addresses: (a) the nature of the scheme and how the fraud was perpetrated, (b) how the fraud was covered up, (c) why the auditors, the board of directors, and the regulators did not discover the fraud, (d) what should have been done by auditors, board members and regulators to prevent and detect the fraud, and what weaknesses in controls existed to allow the situation to occur. *Credit: 3 semester hours.*

AIS 4361 Advanced Fraud Examination

Prerequisite: AIS 4360. This course will introduce undergraduate business students to regulations and rules related to fraud, in particular the Sarbanes-Oxley Act. This advanced course will also explore specialized areas in fraud, such as Tax Fraud, Bankruptcy Fraud, Divorce Fraud, and Identity theft. The fraud examiner's role in matters such as White Collar Crime, Organized Crime, Counterterrorism, and Anti-Money Laundering will be addressed. Various prevention, detection, and investigation techniques will be explored. *Credit: 3 semester hours.*

AIS 4364 Accounting Information: Cyber-Security Processes

Prerequisite: AIS 4347/AIS 4356 or an equivalent course. This course provides an understanding of information security fundamentals, and key system security engineering, analysis and assessment techniques, tactics and procedures that are internationally accepted information security practices. The course will also prepare students to handle security incidents more effectively leading to improved business response and reduced adverse impact. *Credit: 3 semester hours.*

AIS 4367 Accounting Information: Enterprise Resource Planning

Prerequisite: None. This course is based in SAP, an enterprise resource planning system commonly used by businesses. Students will obtain a working knowledge of transaction flow in SAP ECC 6.0 modules: Procurement Logistics (MM), Sales Logistics (SD), Financial Accounting (FI), Controlling (CO), Human Capital Management (HCM), Enterprise Asset Management (EAM), and Warehouse Management (WM). *Credit: 3 semester hours.*

AIS 4368 Accounting Information: Analytics and Forensics

Prerequisites: AIS 4347/AIS 4356 or an equivalent course. This course addresses the theories, concepts, and applications related to accounting information and the use of analytics to monitor and detect information technology frauds. The course reviews how different substantive and rigorous tests can be used to detect fraud, errors, estimates, or biases in financial data using data analytics. The tests range from high-level data overviews to assess the reasonableness of data, to highly focused tests that give small samples of highly suspicious transactions. *Credit: 3 semester hours.*

AIS 4382 Sustainability Accounting Attestation

Prerequisite: ACC 2370 or an equivalent course. This course, provides background on the subject matter of sustainability information, defines the objectives of an examination or review of sustainability information under AICPA attestation standards, provides guidance on applying the engagement preconditions of AICPA attestation standards to a potential attestation engagement on sustainability information, as well as guidance on agreeing to the terms of the engagement and requesting a written assertion with respect to sustainability information. *Credit: 3 semester hours.*

AIS 4385 Advanced Internal Auditing

Prerequisite: AIS 4356 or an equivalent course. This course builds on the principles of Internal Auditing curriculum to provide students with additional introduction to topics related to the management of the Internal Audit function. Topics that are included in this course are: corporate governance, enterprise risk management, quality assurance review process, environmental and process quality audits, and value added activities. *Credit: 3 semester hours.*

TAX 3361 Federal Income Taxation: Individuals

Prerequisite: None. Federal income tax laws with respect to how individuals and property transactions are taxed are examined from both tax compliance and tax planning perspective. Tax laws governing the rules for income inclusion, income exclusion, and allowed deductions, exemptions and credits are studied. Students will be introduced to tax filing requirements, the Internal Revenue Code, applicable regulations, and court decisions. The AICPA's Statements on Standards for Tax Services as it applies to a code of professional conduct for tax practitioners is incorporated into the course. *Credit: 3 semester hours.*

TAX 4362 Federal Income Taxation: Businesses

Prerequisite: TAX 3361, or an equivalent course. Federal income tax law as it applies to the allowance for cost recovery, the alternative minimum tax, tax accounting principles and regular C corporations. The tax rules applicable to corporations are examined with regard to organization, operation, distributions, redemption, liquidations and reorganizations. *Credit: 3 semester hours.*

Business Analytics and Information Systems (BUA/IS)

Ahmad Vakil, Ph.D., *Chair*

BUA 1333 Modern Statistics I

Prerequisite or Corequisite: MATH 1320 or equivalent. 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.*

BUA 2334 Modern Statistics II

Prerequisite: BUA 1333. 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.*

BUA 3310 Data Visualization Principles and Techniques

Prerequisite: BUA 1333 or equivalent. This course is primarily focused on data visualization for business. Increasingly, business practitioners are being asked to use data as a crucial component of

everyday decisions. In this course, students learn about the fundamentals and best practices of data visualization analysis. Students will focus on data visualization techniques through applied, hands-on projects. *Credit: 3 semester hours.*

BUA 3311 Fundamentals of Machine Learning

Prerequisite: BUA 1333. This course provides an introduction to machine learning techniques and their applications in the business environment. In this course, students will learn about the most effective machine learning techniques applicable in business settings, and gain practical and hands-on experience implementing them. *Credit: 3 semester hours.*

BUA 3312 Sport Analytics: A Managerial Perspective

Prerequisite: BUA 1333. This course is designed to introduce students to various analytical tools useful in decision making in different areas of sport. Students will learn how to apply analytical techniques and principles in a wide range of applications such as evaluating performance, identifying directions of causation, and quantifying the magnitude of various effects. Students will gain practice applying analytical tools to various sport data sets. *Credit: 3 semester hours.*

BUA 3313 Applied Text Analysis for Business

Prerequisite: BUA 3330. This course focuses on advanced techniques of data analytics. Students are introduced to analytical techniques for business decision making that are suitable for free-text data. Popular data mining techniques like decision trees, neural networks, and cluster detection are also introduced. *Credit: 3 semester hours.*

BUA 3330 Introduction to Business Analytics

Prerequisite: BUA 1333 or equivalent. This course is designed as an introduction to Business Analytics. Business Analytics is an area of business that concentrates on the extensive use of data, methods, and fact-based decision making. Furthermore, business analytics uses data and models to explain the performance of a business and how it can be improved. This course discusses the benefits of utilizing business analytics and its structured approach to problem-solving in different business disciplines. Major business analytics software would be utilized throughout this course. *Credit: 3 semester hours.*

BUA 3336 Big Data and Data Mining for Business

Prerequisite: BUA 2334 or equivalent. In this course students will learn about many commonly used data mining techniques. These techniques help students to acquire knowledge from large data sets. Specifically, this course introduces methods such as association, clustering, classification, classification and regression trees, principal components, visualization, etc. Students utilize a hands-on approach by using different specialized data mining computational tools such as XLMiner, R, or Python. *Credit: 3 semester hours.*

BUA 3337 Predictive Analytics and Business Forecasting

Prerequisite: BUA 2334 or equivalent. This course provides an extensive coverage of major topics used in developing predictive modeling and statistical forecasting models that are extremely important to business analytics. These topics assist business professional in utilizing historical data and patterns to develop quantitative models for predicting the future events in business. Modern forecasting techniques are extensively covered in this course. Major business analytics software would be utilized throughout this course. *Credit: 3 semester hours.*

BUA 3338 Optimization and Simulation Methodology

This course introduce students to modeling, optimization and simulation, as they apply to the study and analysis of decision making. The introduction of optimization models and algorithms provide a framework for decision making under different restrictions. Different simulation methods are examined and implemented in this course. Applications of optimization and applications of simulation and advanced business analytics are emphasized in this course. *Credit: 3 semester hours.*

BUA 3346 Optimization for Business Decision Making

Prerequisite: BUA 2334 or BUA 3310. This course provides the student with the knowledge, concepts, techniques and software application to optimize the objectives of a wide variety of business problems. Throughout the course, the student will be taught how to apply optimization techniques in the context of decision making. Practical examples from different business disciplines are covered throughout this course. *Credit: 3 semester hours.*

BUA 3350 Business Research Methods

Prerequisite: BUA 2334 or equivalent. This is a research-oriented course with an emphasis on quantitative and analytical 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 analytical methods applications are discussed and assigned. *Credit: 3 semester hours.*

IS 1332 Computer Systems and Software for Business Applications

Prerequisite: None. This course will provide students with a solid foundation on which to build a strong and hands-on experience in business software applications. The software suite includes Microsoft Excel and Microsoft Access 2019 (or later), and is used throughout the course to illustrate the spreadsheet computations and database management for business activities. Special attention is dedicated to hands-on Excel and Access demonstration, class practice, projects and computer assignments. *Credit: 3 semester hours.*

IS 3339 Business Applications Software

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.*

IS 3345 Web Design and Development

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.*

IS 3347 Business Data Communications and Network

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.*

IS 3348 Computer and Network Security

Prerequisite: IS 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.*

IS 3351 Object Oriented Programming

This course will prepare students with little programming background a solid foundation in programming methodology using (at the instructor's discretion) one of the commercially popular OOP languages such as Python, JAVA and C + +. The course uses sound programming techniques through hands-on exercises and offers real-world business-related examples. *Credit: 3 semester hours.*

IS 3352 Database Management

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), will be discussed and assigned throughout the course. *Credit: 3 semester hours.*

Courses to be offered upon demand**IS 3349 Advanced Computing and Methodology****IS 4340 Business Simulation and Model Building****IS 4342 Business Software Design and Development****IS 4399; 4400 Computer Information Systems Internship****Economics and Finance (ECO/FIN)**

Jason Berkowitz, 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

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 with special emphasis on policy. *Credit: 3 semester hours.*

ECO 1326 Historical Development of the Global Economy

A survey of the changes in the organization of economies over time. Course examines how technology, institutions, culture, migration and markets change economies and societies. Special emphasis on the Industrial Revolution and Globalization. *Credit: 3 semester hours.*

ECO 3303 History of Economic Thought

Prerequisite: ECO 1302. This course looks at the history of economic ideas, with special emphasis on the major economists (Smith, Ricardo, Marx, Keynes) and schools of thought (Classical Political Economy, Neoclassical Economics) as well as various heterodox schools. *Credit: 3 semester hours.*

ECO 3306 Comparative Economic Systems

Prerequisite: ECO 1302. A survey of the structure and functioning of different economic systems used to

coordinate economic activity, focusing especially on the varieties of market capitalist systems, and on the post-communist economies in transition. *Credit: 3 semester hours.*

ECO 3307 Labor Economics

Prerequisite: ECO 1301 and ECO 1302. Introduces students to different schools of thought in labor economics and their implications and intentions. Will discuss and examine labor markets and policies, intentions and outcomes. Identifying the cause and potential solutions of major macro and microeconomic issues related to labor, such as unemployment, wage disparity, and treatment of the work force or a segment of the work force. *Credit: 3 semester hours.*

ECO 3313 Public Finance

Prerequisite: ECO 1301 and 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 3328 (co listed as MKT 3328) Behavioral Economics

Prerequisite: MKT 2301 or ECO 1302. Behavioral economics integrates insights from psychology to better understand how people make decisions in the real-world, supported by findings from laboratory and field experiments. The course will investigate how the principles of behavioral economics may guide economic activity and outcomes. *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 and 1302. Advanced presentation of price determination and individual and firm decision making. Topics include: theory of value and distribution, consumer behavior, partial and general equilibrium analysis, analysis of competitive and monopolistic markets, welfare economics and externalities. *Credit: 3 semester hours.*

ECO 3344 International Economics

Prerequisite: ECO 1301 and 1302. 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 3345 Introduction to Econometrics

Prerequisites: BUA 1333, 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 3346 Economic Growth and Development

Prerequisite: ECO 1301. 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.*

ECO 3348 Environmental Economics

Prerequisite: ECO 1302. Environmental economics involves using evidence to understand the overlapping relationship between society and nature as humans undertake the process of social provisioning. Topics include: externalities and market failures; cost/benefit analysis; the environment and well-being; climate change and sustainability. *Credit: 3 semester hours.*

ECO 3349 Business Economics

Prerequisite: ECO 1301, 1302. This course helps students to develop analytically robust and structurally sound methods of producing an economic report, which encompasses understanding and evaluation of variables and data sets. While the focus is on the U.S. economy, the methodology used is also relevant in cross-country analysis. *Credit: 3 semester hours.*

ECO 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 3361 Economics of Global Inequality

Prerequisites: ECO 1301, 1302, 3341. The issue of distribution is central to economic theory and to many contemporary economic issues. This course examines how inequality is measured and the various policies that have been proposed to reduce inequality. Students will conduct empirical research on various data sets to evaluate theories and policy proposals. *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 4350 Seminar in Economics

Prerequisites: ECO 1301, 1302 and 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 junior economic majors with 60 credits completed and a 2.75 cumulative index, and at least one semester of academic credit completed at St. John's University. *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 2327 Development of American Business Enterprise

ECO 3323 Economics of State and Local Governments

ECO 3335 Mathematical Economics

Finance

FIN 2310 Foundations in Finance

Prerequisite: ECO 1302; *Corequisite or Prerequisite:* ACC 2370. An introductory course. Topics include time value of money, stock and bond valuation, financial analysis, optimum capital structure, working capital management and financial markets and institutions. *Credit: 3 semester hours.*

FIN 3309 Tech & Analysis for Finance

Prerequisite: FIN 2310 and BUA 1333. This course introduces students to the data sources and software most widely used by finance professionals, with a strong focus on finance related applications. *Credits: 3 semester hours.*

FIN 3311 Corporate Financial Analysis

Prerequisite: FIN 2310. This course provides the tools for making business investment decisions (capital budgeting and cost of capital); how the firm should finance these investments (capital structure); and how the firm distributes profits to its owners (dividend policy). *Credit: 3 semester hours.*

FIN 3312 Investments

Prerequisite: FIN 2310. 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.*

FIN 3315 Commercial Banking

Prerequisite: FIN 2310. This course covers both theoretical and practical aspects of bank decision-making. Analysis of the operations and management of commercial banks is emphasized. *Credit: 3 semester hours.*

FIN 3316 Capital and Money Markets

Prerequisite: FIN 2310. Study of financial markets, instruments and institutions. Additional focus on market crisis, central banking and financial risk management. *Credit: 3 semester hours.*

FIN 3318 International Banking and Finance

Prerequisite: ECO 2309 or FIN 2310. 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 3319 FinTech in Financial Services

Prerequisite: FIN 2310. Introduces and explores the fundamentals of financial technology, including P2P lending, equity crowdfunding, robo advising, blockchain technology and basic understanding of machine learning and textual analytics based financial service. *Credit: 3 semester hours.*

FIN 3351 Applied Finance Analysis

Prerequisite: FIN 2310. Covers contemporary topics in business and finance with projects and readings. Students gain experience in conducting data analyses as well as critical thinking. This discussions-based course provides the opportunity to enhance oral and written communication skills. *Credit: 3 semester hours.*

FIN 3388 Derivative Markets

Prerequisite: FIN 2310. Introduces students to financial derivative instruments (forwards, futures, options, and swaps), their markets, derivative-pricing models, and their applications to investment strategy, hedging, and risk management to create value. *Credits: 3 semester hours.*

FIN 4314 Real Estate Finance and Investments

Prerequisite: FIN 2310. Provides an overview of real estate and real estate markets. Focus is on understanding the theory and application of evaluating, valuing and investing in commercial real estate. *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 objectives. Theoretical and applied approaches are examined. *Credit: 3 semester hours.*

FIN 4320 Application of Machine Learning in Finance

Prerequisites: BUA 1333; *Corequisite or Prerequisite:* Fin 3319. This course covers the application of machine learning models in the financial sector. This class seeks to equip students with important new techniques to analyze the big financial data and obtain a leading edge in the marketplace. Topics to be covered include: financial modeling, including credit risk modeling, bankruptcy risk modeling, return forecasting, default risk analysis, supervised learning and major machine learning algorithms. The class will be based on R. *Credit: 3 semester hours.*

FIN 4321 Crypto Assets and Trading Strategies

Prerequisites: FIN 2310. This course covers the basics of cryptocurrencies. The course will provide students with information on how to trade in cryptocurrencies and what considerations traders should keep in mind before purchasing these assets. At the end of the course, students manage a "real" blockchain portfolio that is part of the University's endowment. *Credit: 3 semester hours.*

FIN 4327; 4328 Managing Investment Funds

Prerequisite: FIN 3312 or 2310, and permission of instructor. Admission is by application. These courses enable students to manage a "real" investment fund. Students perform functions of a Wall Street securities analyst or mutual fund analyst. *Credit: 3 semester hours.*

FIN 4339 Fixed Income Markets and Instruments

Prerequisites: FIN 2310 and 3312. This course examines the major categories of fixed income instruments and markets, and the users of these instruments. Students will learn how to value the securities, as well as analyze the major factors that impact the prices of these financial instruments. Students will also learn how to create portfolios from fixed income instrument, and how to evaluate such portfolio. *Credit: 3 semester hours.*

FIN 4350 Seminar in Finance

Prerequisite: FIN 2310. 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.*

FIN 4351 Applied Finance Research Seminar

Prerequisite: FIN 2310. Students conduct qualitative research that emphasizes critical thinking, and quantitative research that utilizes standard data analysis techniques. This discussion-based course focuses on contemporary topics and enhances oral and written communication skills. *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. This internship is a one term, part-time, credit-bearing position within a supervised work environment. This course is open to junior finance majors with 60 credits completed and a 2.75 cumulative index, and at least one semester of academic credit completed at St. John's University. 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.*

Law (LAW)

John P. Clarke, J.D., Chair

BUS 1101 Name, Image and Likeness Law and Planning

Prerequisite: None. This course helps students learn how to manage Name, Image, and Likeness compensation to achieve short-term and long-term financial goals and security. In this course, students learn about career

decisions, money management, financial security, credit management, resource management, risk management, retirement planning, estate planning and consumer rights and responsibilities. The course will help students build a strong knowledge base and develop life skills as they study Name, Image, and Likeness law, and money management. *Credit: 1 semester hour.*

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 1313 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 1314 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 1315 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 1316 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.*

LAW 1317 Introduction to Real Estate Law

Prerequisite: LAW 1310. This course offers undergraduate students an overview of the manner in which legal issues arise in the course of the selection, acquisition, development, financing, ownership, and management of real estate; the nature of those legal issues; and how they may best be identified and addressed. This course focuses on informing students about how an array of federal, state, and local laws impact, directly and indirectly, a variety of real estate transactions and issues, while also addressing the use of a wide variety of legal agreements to govern the particular relationships between the parties. *Credit: 3 semester hours.*

Management, Entrepreneurship, Consulting and Organization (MGT)

John Angelidis, Ph.D., Chair

IB 3341 Principles of International Business

Prerequisite: MGT 1301 and MKT 2301. 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.*

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.*

MGT 1301 First Year Experience: Entrepreneurship and Management of Organizations

This course is designed to introduce the students to entrepreneurship and effective management of organizational behavior as well as understanding and using Career Services resources. Students working in groups are required to develop an entrepreneurial idea and to pitch it in class. The top team in each course will advance to the finals to pitch before a judging panel. The course will provide a comprehensive overview of managerial and leadership behaviors, and all students will begin the preparation for professional career planning. Contemporary challenges such as globalization, continuing technological innovations, workforce diversity, and ethical dilemmas will be covered. *Credit: 3 semester hours.*

MGT 2331 Strategic Leadership in a Global Environment

Prerequisite: MGT 1301. 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 2360 Managing Sports Careers

Prerequisite: None. This course enables students to acquire skills in managing individual and team sports. *Credits: 3 semester hours.*

MGT 3310 Entrepreneurship

Prerequisite: MGT 1301. 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 3323 Organizational Decision Making

Prerequisite: MGT 1301, BUA 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 Managing Operations

Prerequisite: MGT 1301. 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 1301. 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 3332 Personnel Administration

Prerequisite: MGT 1301. 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 3336 Social Enterprise Management

Prerequisite MGT 1301. This course explores the concept of social enterprise in relation to social entrepreneurship and corporate social responsibility. It presents ways and means for scaling the impact of high-performing social enterprises, be they nonprofit, for-profit or hybrid organizations. Reasons and methods for using business to address social problems and seize social opportunities are described as are concepts for leveraging impact investing and driving social change through organizational practices. *Credit: 3 semester hours.*

MGT 3337 Corporate Social Responsibility

Prerequisite: MGT 1301. 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 1301. 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 1301. 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 1301. 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 1301. 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 1301. 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 1301. 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 3353 Sustainable Management

Prerequisite: MGT 1301. The increasing risk engendered by climate change for the world and its people and businesses has been burgeoning. Though, individual businesses can adhere to sustainable practices that might well increase the likelihood of their achieving their strategic objectives. This course will cover the issues and opportunities associated with managerial recognition of this epochal challenge. *Credit: 3 semester hours.*

MGT 4311 Small Business Management.

Prerequisite: MGT 1301. 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 1301 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 4321 Negotiation & Conflict Resolution

Prerequisite: MGT 1301 and Law 1310. The course provides an understanding of the theory and practice of negotiation and conflict resolution and, in particular, the mediation process. The course examines communication during conflict, negotiation styles, theories of mediation and alternative dispute resolution. *Credit: 3 semester hours.*

MGT 4322 Management Information Systems

Prerequisite: MGT 1301. 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 1301, 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 Global Supply Chains

Prerequisite: MGT 1301, MGT 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 Strategic Management

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 1301. (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 1301. 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 1301. 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 1301. 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 1301. 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 1301. 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 1301. 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 junior management majors with 75 credits completed and a 2.75 cumulative index, and at least one semester of academic credit completed at St. John's University. *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.

Marketing (MKT)

Iris Mohr, Ph.D., Chair

MKT 2301 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 2301 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 2301. 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 Communication

Prerequisite: MKT 2301. 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 2301. 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 and Interactive Marketing

Prerequisite: MKT 2301. This course aims to provide an in-depth and critical perspective of direct and interactive online media within an overall integrated marketing communications mix. Specifically, the course covers the planning, design, and execution of direct marketing programs, including methods for utilizing databases and targeting techniques. Students will learn how to design direct mail, telephone, catalog, email, and internet-based marketing programs for consumer goods, services, and industrial markets, and, the principles of database design for marketing, as well as gain an overview of the basic data analysis for targeting and testing. *Credit:* 3 semester hours.

MKT 3309 Experiential and Event Marketing

Prerequisite: MKT 2301. This course is designed to introduce students to the various aspects of event marketing. In the course, students learn to identify and use various marketing and media tools—from the traditional to the emerging to successfully promote different type of events. The course reviews the concepts and tools used to design and implement a successful event marketing strategy, which are applicable to festivals, fashion events, movie premieres, sporting events, award ceremonies, community celebrations, cultural events, and other events. *Credit:* 3 semester hours.

MKT 3310 Sales Management

Prerequisite: MKT 2301. This course is a comprehensive survey of sales force management; organizing, staffing, and training a sales force; directing sales force operations; sales planning; and evaluating sales performance. This course is designed to be a hands-on introduction to sales management. Speakers, films, case studies, class participation and team projects offer students a "real world" experience. *Credit:* 3 semester hours.

MKT 3311 Consumer Behavior

Prerequisite: MKT 2301. 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: BUA 1333, MKT 2301. 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 3313 Analytics for Consumer Insight

Prerequisite: BUA 1333 and MKT 2301. This course is designed to introduce students to current theory and practice related to analytics and consumer insights/behavior. It covers analysis and interpretation of advanced analytic techniques, including price sensitivity, regression analysis, principal components analysis, and principal components regression. Skills and activities needed for the successful analysis of consumer data and to identify priorities for improvement (i.e. key drivers analysis) are taught. Topics include basics in approaching data, outliers and significance testing, basics of pricing, price sensitivity, and regression analysis for consumer insights. *Credit:* 3 semester hours.

MKT 3314 Sports Marketing and Media

Prerequisite: MKT 2301. The purpose of the Sports and Media course is to provide an overview of various aspects of the sports marketing, sponsorship and media industry with an experiential marketing aspect. This includes an introduction to the broad sports marketing environment; the marketing strategies for multiple sports properties, platforms, sponsorships and events; the current issues regarding the marketing of sports products, leagues, teams and athletes; the interaction between sports marketing and media; and the application of course concepts to contemporary market planning, strategy and decision making. *Credit:* 3 semester hours.

MKT 3315 Product and Brand Management

Prerequisite: MKT 2301. This course offers students with an overview of new product management planning techniques, and explores branding from a consumer perspective. Specifically, the course provides insight into how profitable product strategies are created for the purposes of attracting and maintaining customers, and the implications for brand management professionals. Overall, this course is designed to develop knowledge, skills, and perspectives to support the application of managing products and developing brand strategies in today's marketing environment. *Credit:* 3 semester hours.

MKT 3316 Film and TV Marketing

Prerequisite: MKT 2301. Making a film is creative, but just like any other product or service, the goal is to make it marketable. Film marketing is a comprehensive and informative course designed to give students a basic overview and understanding of all aspects of a domestic and

international specialized theatrical film marketing campaign. The focus will be on film positioning, branded entertainment, promotional tie-ins, publicity, word of mouth, social media, competitive landscapes, media plans, festival positioning, theatrical distribution opportunities, and sales and award campaigns. This course will also examine the business of television, the rise of digital platforms, and their impact on film marketing.

Credit: 3 semester hours.

MKT 3317 Global Marketing

Prerequisite: MKT 2301. This course is designed to expand the students' perspective of marketing from a domestic to global orientation. *Credit: 3 semester hours.*

MKT 3318 Fashion Marketing

Prerequisite: MKT 2301. Fashion Marketing introduces students to the fundamentals of fashion marketing and prepares them for a marketing career in the field of fashion. Students will develop skills in such areas as fashion economics, marketing segmentation and target marketing, promotion, and, retailing and distribution. Besides covering fashion marketing fundamentals, the course addresses the latest business and retail trends, technology innovations, and new retail formats and business models related to fashion for satisfying the ever-changing fashion market, as well as much talked about issues related to fashion, including social and environmental challenges for the clothing industry. *Credit: 3 semester hours.*

MKT 3319 Digital Marketing

Prerequisite: MKT 2301. The purpose of the course is to introduce students to the complex world of digital marketing. In this course, students learn how digital has revolutionized the interactions between firms and consumers. Digital marketing offers powerful tools to reach consumers. The course covers digital marketing from its inception to the present time and provides an overview of the major technologies and platforms, ecosystem participants, measurement and other services that support marketing, and also reviews consumer privacy concerns which have grown over time. *Credit: 3 semester hours.*

MKT 3320 Service Marketing

Prerequisite: MKT 2301. 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 2301. 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 3322: Creativity and Innovation for Business and Society

Prerequisite: MKT 2301. Taking a broad, service-oriented view of the marketplace, this course examines the relationship between creativity/innovation and positive change with an emphasis on what it takes to conceive, nurture and birth sustainable ideas that create value for firms, customers and other marketplace actors. Individual, community and organizational aspects of creative problem solving are explored through hands-on exercises and community-based projects designed to provide students with the tools and skills they need to approach complex challenges in new ways. *Credits: 3 semester hours.*

MKT 3324 Food Marketing

Prerequisite: MKT 2301. The purpose of this course is to provide students with an understanding of the considerations that are unique to the marketing of foods. Applying solid marketing principles to the context of foods, this course will explore how consumers make food-related decisions, the impact of marketing efforts on consumption behaviors, how food preferences vary across groups and time, the ethics of marketing foods (e.g., its role in the obesity epidemic, marketing to children, fast-food sponsorships of athletics, misleading labeling), and decisions relating to the marketing mix. *Credit: 3 semester hours.*

MKT 3325 Integrated Public Relations

Prerequisite: MKT 2301. The purpose of this course is to provide students with an understanding of the role of public relations in the context of marketing and to establish a foundational understanding of best practices of public relations. Adopting an integrated marketing communications perspective, this course will explore topics such as how to develop public relations communications to achieve strategic marketing objectives, how to effectively communicate with various stakeholders, and how marketing and public relations practitioners can tear down organizational silos to work more seamlessly. *Credit: 3 semester hours.*

MKT 3326 Political Marketing

Prerequisite: MKT 2301. This course will provide students with a basic understanding of the Political Marketing concept; how candidates, parties, elected officials and governments around the world utilize marketing concepts and tools win elections and remain in office. This course examines a wide range of political marketing topics including the rise of the political consumer, market intelligence and segmentation, market strategy, branding, marketing in government, etc. In addition, students will have the opportunity to evaluate and formulate political marketing strategies, build and manage strong political brands, and measure political competitiveness and performance. *Credit: 3 semester hours.*

MKT 3327 Socially Responsible Marketing

Prerequisite: MKT 2301. This course examines the marketing function of organizations and their engagement in CSR and sustainability issues. Specific topics will cover how these issues are influenced by consumer trends and how they are

communicated to consumers. Marketing problems found in the non-profit, for-profit and public sectors will be examined, and socially responsible and irresponsible practices will be explored. Guest speakers, case studies, class discussions and a group project will help students build knowledge and the skillset to be a positive social and sustainability change agent through ethical reasoning in marketing management.

Credit: 3 semester hours.

MKT 3328 Behavioral Economics

Prerequisite: MKT 2301 or ECO 1302. This course will introduce students to the field of behavioral economics. Whereas traditional economic theory assumes that human beings are rational, utility maximizers, behavioral economics makes no such assumptions. Instead, behavioral economics integrates insights from psychology to better understand how people actually make decisions in the real-world where they regularly violate the assumptions of traditional economics. Supported largely by findings from laboratory and field experiments, this course will help students understand how and why human beings make seemingly irrational decisions and how the principles of behavioral economics may be applied to guide the behaviors of others. *Credit: 3 semester hours.*

MKT 3330 Pricing Strategies and Tactics

Prerequisite: MKT 2301 and ECO 1302. This course introduces students to the fundamentals of pricing strategy, and to a variety of pricing research and analytical techniques. *Credit: 3 semester hours.*

MKT 3331 Social Media Content Creation

Prerequisite: MKT 2301. The purpose of this course is to provide students with an understanding of how to develop a social media strategy and the ability to create social media content that will achieve strategic objectives. In this course, students will come to understand the role of Social Media Marketing within a broader Integrated Marketing Communications campaign, learn how to identify and effectively communicate with target audiences across various social media platforms, monitor social media for brand mentions using social listening tools, and measure the performance of social media efforts according to various social media metrics. *Credit: 3 semester hours.*

MKT 3332 Entrepreneurial Marketing

Prerequisite: MKT 2301. Startups face challenges with customer acquisition at stages from customer discovery to scaling. This course will explore these issues and learn about the models, frameworks, processes, and tools that can help entrepreneurs succeed during these stages. It is crucial for startups to understand and navigate the relevant buyer journey(s) while conserving scarce capital and moving from early adopters to early traction and then more mainstream customer groups. This course is an introduction to the current best practices and how to put these practices into place at the early start-up stage of a venture. *Credit: 3 semester hours.*

MKT 3350 Strategic Service Design

Prerequisite: MKT 2301. Building upon an understanding of product and service marketing, this course takes an interdisciplinary view of what it takes to conceive, nurture and birth services that customers want/need, while sustaining profitably. Topics covered include: qualitative and quantitative research methods, value co-creation with multiple stakeholders in complex service ecosystems, identification of customer and employee "pain points" and visualization of intangible service experience such as service blueprints, customer journey maps, storyboards and other tools that are commonly used in service design practice. *Credit:* 3 semester hours.

MKT 4305, Advertising Research**MKT 4306, Advertising Project**

Prerequisites: MKT 2301 and 4305, respectively, and permission of the instructor. As part of the National Student Advertising Competition (NSAC), students gain real-world experience developing a strategic marketing campaign for a corporate client. Facing-off against schools from across the country, the American Advertising Federation (AAF) sponsored competition culminates with students pitching their campaigns to esteemed industry professionals. *Credits:* 3 semester hours each.

MKT 4316 Marketing Management and Policies

Prerequisite: MGT 2301, MKT 2301. A capstone, case-oriented course, emphasizing the development of marketing management skills. *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 junior marketing majors with 60 credits completed and a 2.75 cumulative index, and at least one semester of academic credit completed at St. John's University. *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.

MKT courses to be offered upon demand

MKT 4318 Marketing Seminar in International Topics

Maurice S. Greenberg School of Risk Management, Insurance and Actuarial Science

Mark J. Browne Ph.D., Chair

RMI 1301 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:* 3 semester hours.

RMI 3333 Commercial Property Risk Management and Insurance

Prerequisite: RMI 1301. 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, and Employee Benefits

Prerequisite: RMI 1301. 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 1301. 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:* 3 semester hours.

RMI 3361 Insurance and Alternative Risk Transfer

Prerequisite: RMI 1301 and FIN 2310. 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 3388 Computer Applications in Insurance

Prerequisite: None. Provides students with hands-on experience in different computer software to perform various data analysis tasks that are commonly required of entry-level jobs in insurance industry. Basic and intermediate statistics concepts are reviewed in the context of insurance applications. *Credit:* 3 semester hours.

RMI 4311 Cases in Insurance Research

Prerequisite: RMI 1301, and permission of the instructor. Students obtain familiarity with a set of current financial service sector issues and hone their ability to think creatively about risk issues. The course is conducted as a hybrid course, namely a combination of face-to-face meetings of the entire class, student-led research

paper discussions and feedback forums, research presentations by the most recognized scholars and significant on-line activities, plus individual or small group synchronous tutorials.

RMI 4334 Commercial Liability Risk Management and Insurance

Prerequisite: RMI 1301. 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 4360 Corporate Risk Management

Prerequisite: RMI 1301. 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 4364: Reinsurance

Prerequisite: RMI 1301. 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 1301. 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 1301. 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 junior RMI majors with 60 credits completed and a 2.75 cumulative index, and at least one semester of academic credit completed at St. John's University. *Credit:* 3 semester hours.

RMI 4400 Internship

Prerequisite: RMI 1301. 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 2322 Actuarial Science 2 (Mathematical Statistics)

Prerequisite: MTH 1740. Provides an introduction to mathematical statistics; approved for Society of Actuaries Validation by Education Experience (VEE) credits. *Credit:* 3 semester hours.

ACT 2333 Actuarial Science 3 (Probability Theory)

Prerequisite: MTH 1740. Provides a review and extension of probability theory to prepare students for the first actuarial examination (1/P). *Credit:* 3 semester hours.

**ACT 2334 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 long term actuarial models and apply them. Prepare students for advanced actuarial examination (LTAM). *Credit: 3 semester hours.*

ACT 3336 Actuarial Science 6 (Life Contingences II)

Second of a two-course sequence, promotes students to develop knowledge of long term actuarial models and apply them. Prepare students for advanced actuarial examination (LTAM). *Credit: 3 semester hours.*

**ACT 3349 Actuarial Science 9
(Applied Statistics)**

This course introduces methods and models for analyzing data; Prepares students for advanced actuarial examinations on statistics (MAS/SRM). *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 (MAS/STAM). *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 (MAS/STAM). *Credit: 3 semester hours.*

Maciek Nowak, *Dean, Joseph H. and Maria C. Schwartz Distinguished Chair and Professor of Decision Sciences*, B.S.E., University of Michigan; M.S.E., M.S.E., University of Michigan; Ph.D., Georgia Institute of Technology.

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Abraham Stefanidis, *Associate Professor of Management*, B.A., M.B.A., Ph.D., Athens University.

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Ralph A. Terregrossa, *Associate Professor of Economics*, B.A., SUNY Cortland; M.A., Ph.D., SUNY Binghamton.

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Roy Weissman, *Assistant Professor of Management*, B.S., M.B.A., Syracuse University.

Kwok-Fai Matthew Wong, *CFA, Professor of Finance*, B.A., Acadia University, Canada; M.B.A., University of Manitoba, Canada; J.D., Fordham University; Ph.D., University of Mississippi.

Xin Zhao, *Assistant Professor of Accountancy*, M.B.A., University of Maryland; Ph.D., Temple University.

Yun Zhu, *Associate Professor of Finance*, B.A., Fudan University, China; M.S., South Dakota State University; Ph.D., Rensselaer Polytechnic Institute.

Emeritus Faculty

Joseph A. Giacalone, *Professor of Economics*, B.A. Ph.D. Columbia University; M.B.A. St. John's University.



College of Pharmacy and Health Sciences

Anne Y.F. Lin, *Dean*, B.S. Pharm, Pharm.D.

Joseph M. Brocovich, *Senior Associate Dean*, B.S. Pharm., Pharm.D.

Joseph V. Etzel, *Associate Dean*, B.S. Pharm., Pharm.D.

Vivek Gupta, *Associate Dean*, B.S., PhD

Cathleen A. Murphy, *Associate Dean*, D.C., M.S.

Emily M. Ambizas, *Assistant Dean*, B.S. Pharm., Pharm.D., MPH

Diana J. Patino, *Assistant Dean*, B.S., M.S.

Jennifer G. Chiu, *Executive Director*, B.S., MBA, Ed.D.

Patricia Haas, *Academic Advisor*, B.A., M.S.

Steven Ferriolo, *Academic Advisor*, B.A., M.H.C.

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 healthcare 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, Metropolitan, and Global.

Objectives

The College of Pharmacy and Health Sciences seeks to prepare students to meet the present and future demand for pharmacists, nurses, clinical laboratory scientists, radiologic technologists, 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 an 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 healthcare 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.

Biomedical Sciences Program:

Development of critical thinkers with proficiency in scientific methods who are capable of meeting the evolving needs of the biomedical field;

Preparation of students for entry into medical and/or dental schools, other healthcare-related professional degree programs, as well as graduate programs (M.S. and/or Ph.D.) in biomedical/pharmaceutical sciences /pharmacy administration/public health

Provision of analytical skills and laboratory techniques routinely applied in biomedical and pharmaceutical research;

Development of students' written and verbal communication skills, which will enable them to formulate concise and accurate reports and to communicate with the scientific community;

Development of biomedical professionals who practice within a legal and ethical framework.

Clinical Laboratory Sciences (CLS) Program

Goal 1: Demonstrate basic knowledge of clinical laboratory sciences

Goal 2: Demonstrate competency in the biomedical sciences

Goal 3: Illustrate and apply the ethical principles of a laboratory professional

Goal 4: Demonstrate effective oral and written skills

Goal 5: Satisfy the objectives of the professional/clinical year

Goal 6: Demonstrate accuracy and precision in the performance of laboratory analyses

Radiologic Sciences (RAD) 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

Nursing (NUR) Program

At the completion of the baccalaureate program the student will demonstrate:

Goal 1: Integrate knowledge, skills, and values from the liberal arts and sciences and professional nursing education to provide humanistic, safe, quality care (AACN Essentials, Domain 1: Knowledge for Nursing Practice and Domain 2 Person-Centered Care)

Goal 2: Apply knowledge and skills of organizational and systems leadership, quality improvement and patient safety in promoting safe, quality care for diverse patients across complex healthcare systems and environments (AACN Essentials, Domain 5: Quality and Safety).

Goal 3: Apply a systematic process consistent with professional standards and evidence-based practice to prevent illness and injury; promote, maintain, and restore client health (AACN Essentials, Domain 4: Scholarship for Nursing Discipline).

Goal 4: Demonstrate skills in using patient care technologies, information systems, and communication devices to facilitate delivery of safe and effective patient care (AACN Essentials, Domain 8: Informatics and Healthcare Technologies).

Goal 5: Advocate for financial and regulatory healthcare policies, processes, and environments that improve the nature and functioning of healthcare delivery systems and ethical and legal accountability in addressing healthcare issues (AACN Essentials, Domain 7: Systems-Based Practice).

Goal 6: Employ oral and written communication and interprofessional collaboration in providing safe, high-quality care to improve client health outcomes (AACN Essentials, Domain 6: Interprofessional Partnerships).

Goal 7: Promote individual and population health by assessing factors that influence health outcomes and apply culturally appropriate health promotion, management, and restoration strategies to diverse populations in a variety of settings (AACN Essentials, Domain 3: Population Health).

Goal 8: Demonstrate consistent application of the core values of the profession of nursing

and the standards of moral, ethical, and legal conduct (AACN Essentials, Domain 9: Professionalism).

Goal 9: Understand the scope of generalist nursing practice and apply its principles in clinical practice to diverse patients and populations across the lifespan in an ever-changing and complex healthcare environment (AACN Essentials, Domain 9: Professionalism).

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., CLS, Nursing, BMS and TOX degrees 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. In addition to the academic transcript, 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. Standardized tests (SAT/ACT) are optional.

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.

For admission into the BMS and Nursing program the following requirements must be met:

- Official high school transcript(s) with one biology course and one chemistry course
- High school GPA > 90%
- Official standardized test scores: Minimum SAT score > 1070, or ACT equivalent

Admission of Transfer Students to Advanced Standing

Transfer applicants are admitted to the Pharm.D. on a space-available basis only. Internal or external

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 all programmatic requirements under liberal arts and sciences.

Candidates for the Clinical Laboratory Sciences, Radiologic Sciences, Biomedical Sciences and Toxicology must meet the University requirements for Admission to Advanced Standing. Only credit for comparable courses in the pre-professional sequence will be granted. No transfer credit is allowed for professional courses.

Currently, transfer students to Nursing are not considered.

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 and incorporates the 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, administrative 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 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.

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. The senior (professional) year of the program, accredited by NAACLS (National Accrediting Agency for Clinical Laboratory Sciences), provides didactic instruction in all areas of laboratory medicine concurrently with clinical rotations at the University's affiliates.

Technical standards, as distinguished from academic standards, refer to the minimum cognitive, professional and behavioral abilities required for a student to satisfactorily complete all the 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 professional coursework 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.

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.

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. After graduation, students may be eligible for careers in biomedical or analytical laboratories as well as admission to post baccalaureate degree programs, (i.e. graduate school, medical school, dental school, physician assistant programs, etc.)

Biomedical Sciences

The Bachelor of Science degree in Biomedical Sciences is a four-year program which will provide an interdisciplinary academic program of study that will foster competencies in areas related to

biomedical sciences as well as core competencies in the liberal arts and sciences. Since the healthcare industry contains a wide range of professions, this program will prepare graduates to identify and address administrative, management, and policy issues within the healthcare industry. In addition, this program will prepare graduates for further education and training in clinical practices and advanced scientific research within the health sciences.

Nursing

The baccalaureate 4-year nursing program is designed for undergraduate students who have no previous experience in professional nursing. The program leading to a Bachelor of Science (BS) degree in Nursing will be a cumulative of 128 credits, 68 credits in Liberal Arts and Sciences and 60 credits in the major. The program is designed to prepare nurses to practice in complex healthcare systems and assume various roles: provider of care; designer, manager, coordinator of care; and member of a profession. The curriculum framework is designed to produce an entry-level professional nurse for generalist nursing practice. The program offers coursework in health assessment, nursing research, evidence-based practice, cultural competency, health promotion, nursing care through the lifespan with clinical, information literacy, therapeutic communication, nursing foundations, pharmacology, pathophysiology, community health, mental health, leadership and management, healthcare policy, quality improvement, safety, advocacy, informatics, preparation for the NCLEX-RN, and a clinical preceptorship. Nursing majors must maintain an overall GPA of 2.75 to remain in good standing in the program.

The Nursing program provides care and nurturance within the context of our Catholic and Vincentian tradition, rich in its perspectives of human dignity, freedom, justice, truth, and respect for the natural world. A Vincentian education provides students with a solid foundation for intellectual, spiritual, and professional growth. This traditional 4-year program is a licensure qualifying program open to applicants with good moral character and who have demonstrated academic ability. The curriculum provides a solid liberal education in the arts and sciences to provide a broad knowledge base from which to draw and apply to nursing practice as a responsible citizen. The energy created by faculty and students provide an enriching experience that responds to societal needs. The culture in the College of Pharmacy and Health Sciences stimulates curiosity and self-motivation to produce nurse leaders who are prepared to reach their highest potential personally and professionally within the broadest definition of community. The baccalaureate graduate understands and respects the variations of care, the increased complexity, and the increased use of healthcare resources inherent in caring for patients. The mission of the Bachelor of Science degree in Nursing Program carries out St. John's University's mission by educating

and preparing competent nursing graduates to provide evidenced-based, safe, quality nursing care in a diverse and dynamic global healthcare environment and to serve as collaborative leaders in the advancement of healthcare for individuals and populations. The program fosters lifelong learning and a spirit of inquiry.

Minors Approved for Pharmacy Students

Biology
Business
Chemistry
Critical Race and Ethnic Studies
Health and Human Services
Philosophy
Psychology
Public Administration and Public Service
Sociology
Social Justice
Theology and Religious Studies

Minors Available for Health Sciences

(Biomedical Science, Clinical Laboratory Sciences, Nursing, Toxicology, and Radiologic Sciences)

Business
Chemistry (not available for BMS)
Computer Science
Critical Race and Ethnic Studies
English
French
German
Government and Politics
Health and Human Services
History
Italian
Philosophy
Psychology
Russian
Sociology
Social Justice
Spanish
Theology and Religious Studies

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.naaccls.org).

The Radiologic Sciences degree program is accredited by the Joint Review Committee on Education in Radiologic Technology (jrcert.org).

The Nursing degree program is registered and accredited by the New York State Board of Regents (NYSED) (<http://www.op.nysed.gov/programs/nursingaccreditation.html>).

Pass-Fail Option

This option is open only to health sciences students who are classified as sophomores or above 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.

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.

Pharmacy

Doctor of Pharmacy students must achieve an overall and a math/science/professional GPA of 3.0 or better to interview for progression into the first professional year (3rd year) of the program. All other students will be evaluated for eligibility on a case by case basis by the program's Subcommittee on Progression.

Once progressed into the first professional year (3rd year) of the pharmacy program, students may receive no more than three (3) letter grades below a C (years 3–6). If a student receives two letter grades less than C, the student will be placed on an academic success plan. If a student receives a fourth grade less than C, the student will be referred to the Doctor of Pharmacy Subcommittee on Progression and be subject to dismissal from the Pharmacy Program.

In addition, earning a letter grade less than C in any professional course will be considered an inadequate grade and will be treated as if the student failed the course (except for GPA calculation). Students will be required to repeat the course and will not be permitted to take courses for which the course with the inadequate grade is a prerequisite. Students who fail to receive an adequate grade (letter grade greater than C) after two attempts will be subject to dismissal.

Students are required to maintain an overall grade point average of 2.0 to remain in good academic standing and to graduate from the program.

All students must meet the program's

progression criteria in order to enter the professional years (years 3–6) of the Doctor of Pharmacy program. To be considered for progression, all students must attain a cumulative math/science/professional courses grade point average of 3.0 (letter grade of B) by the end of the second year. Additionally, all students must demonstrate satisfactory written and oral communication skills prior to entering the third year. The latter two criteria are mandated by the program's accreditation agency, the Accreditation Council for Pharmacy Education (ACPE). In order to meet this mandate, all pharmacy students will complete an in-person interview with two faculty members prior to the third year of the program. Students are also required to clear an annual criminal background check during their professional years in order to participate in the program's experiential learning activities. In the event that an evaluation reports a positive finding, the student will be reviewed by the Dean. If the offense prohibits the student from qualifying for a Pharmacy intern permit, he/she may be dismissed from the program.

A pharmacy major will be required to successfully complete a competency examination before beginning the advanced pharmacy experiential portion of the program.

Biomedical Sciences

Students must maintain a programmatic GPA of 2.0, and an overall GPA of 2.0. Students that fall below the minimum requirement will be placed on probation if the GPA is repairable in one semester. If a student is unsuccessful to increase the programmatic or overall GPA above the minimum requirement they will be recommended for dismissal.

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 progression into 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.

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.

Nursing

The nursing program requires that students demonstrate knowledge and skills in the Liberal Arts and Sciences, including Mathematics, Natural Sciences, Social Sciences, History, the Arts, and basic communication, and in the use of information technology. Please note that the traditional 4-year program is a licensure qualifying program open to applicants with good moral character who have demonstrated academic ability by maintaining an overall GPA of 2.75 on a 4-point scale while in the nursing major.

Any student unable to maintain the above progression criteria will be put on nursing academic probation. Students on nursing academic probation should plan to retake a failed course the next time it is offered. Students must score a grade of B in a course that is repeated.

- Students must maintain a cumulative grade point average (CGPA) of at least 2.75 to progress through the nursing program and be eligible for graduation.
- While in the Nursing Program students are allowed to fail two science courses (CPHS, BIO, CHE) or one science and one nursing course or two nursing courses and allowed to retake a failed science or nursing course one time.
- A grade of B is required for a course that is retaken.
- The Nursing Program does not allow Pass/ Fail grades in nursing major courses unless specified in the course syllabus
- A student who receives a "C-" in a clinical nursing course may not progress in the nursing sequence. They must repeat the entire course, both didactic and clinical, the next time it is offered.
- Academic requirements include a grade of "C" or 75% in all nursing courses. Failure in a repeated or subsequent nursing course results in dismissal from the nursing program. The student must achieve a grade of "B" when a nursing course is repeated.
- A student may be dismissed from a nursing clinical course at any time, if, by consensus of the clinical instructor or the clinical coordinator, a student's clinical performance is deemed unsafe.

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 /alcohol 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, Nursing, Clinical Laboratory Sciences, and Radiologic Sciences programs must complete annual criminal background checks and must complete Health Information Portability and Accountability Act (HIPAA) training.

Pharmacy students participating in experiential programs are required to have a medical examination, an immunization series, health, accident and sickness insurance. Some experiential sites may require other tests or documentation (i.e., urine drug testing). Experiential education requires attendance at off-campus sites. Travel and housing, if needed, are the responsibility of the student.

Additionally, these students must purchase malpractice insurance through the University, and must complete PHR 5000.

Pharmacy students may not take an elective or required didactic course concurrently with the advanced experiential courses.

In the Clinical Laboratory Sciences, Nursing, and Radiologic Sciences programs, students entering the clinical sites for the professional year(s) are required to have a medical examination, an immunization series, health, accident and sickness insurance for the duration of their professional studies. Some clinical sites may require other tests or documentation (i.e. criminal background check, urine drug testing). Additional requirements may be stipulated by the clinical sites. Clinical rotation requires attendance at off-campus sites. Travels, meals, and housing (if applicable), are the responsibility of the student.

Pharmacy, Nursing, Clinical Laboratory Sciences, and Radiologic Sciences program students must register at the University for each semester that they are at the clinical site and pay applicable tuition and fees.

Pharmacy Intern Permit

Upon completion of their first professional year, students are required to obtain a New York Pharmacy Intern Permit by submitting a form and fee directly to the State office.

All Pharmacy students must meet the State requirements for the intern permit. Failure to obtain a Pharmacy Intern Permit will exclude the student from participating in both introductory and advanced experiential components of the program.

Licensure and/or Certification

Professional licensure and certification requirements often vary from state to state. St. John's University has not determined requirements for individual states beyond New York. If you reside or plan to reside outside New York, you are strongly encouraged to contact the appropriate state licensing agency in that state to seek information and guidance before beginning the program.

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 and/or Federal Government 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 in New York State, write: New York State Board of Pharmacy in New York, 89 Washington Avenue, 2nd Floor, Albany, NY 12234.

Clinical Laboratory Sciences

The Clinical Laboratory Sciences program offered by the College of Pharmacy and Health Sciences meets the educational requirements of the Department of Education and has been deemed licensure-qualifying. Successful completion of the professional component of the Clinical Laboratory Sciences program allows the student to apply for admission to the American Society for Clinical Pathology (ASCP) MLS certifying exam.

Successful completion of courses leading to the BS degree and passing the ASCP certifying exam allow graduates to obtain a New York State Department of Education license to practice as a Clinical Laboratory Technologist.

Nursing

Graduates will be eligible to take the NCLEX-RN licensing exam and work as professional nurses prepared to practice with individuals, families, groups, communities, and populations across the lifespan in an ever-changing healthcare environment. 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. All students will be required to read and sign the technical standards document to indicate they understand these qualifications.

Radiologic Sciences Certification

The Radiologic Sciences program offered by the College of Pharmacy and Health Sciences meets the educational requirements for admission

to the American Registry for Radiologic Technologists (ARRT) certification examination in Radiography. Successful completion of courses leading to the BS degree and passing the ARRT certifying examination allow graduates to obtain a New York State Department of Health license to practice as a Radiologic Technologist.

The Academic Success Center (ASC)

Joseph V. Etzel, Pharm.D.

Associate Dean for Student Success

The Academic Success Center (ASC) was developed to provide academic support to enhance student success in the various programs offered on the undergraduate level of the College of Pharmacy and Health Sciences. Tutoring services are provided for discipline specific courses that may not be available through the services provided by University Learning Commons. Additionally, the ASC provides workshops and presentations on various topics pertinent to student success including time management, study skills, and test taking.

Affiliate Clinical Pharmacy Sites

Emily M. Ambizas, B.S. Phm., Pharm.D., MPH,

Assistant Dean for Pharmacy Experiential Education

Pharmacy Clinical Coordinators:

Philip McAvoy, B.S. Pharm., M.S., Pharm.D.

Frank Nania, B.S. Pharm., Pharm.D.

Andrea Watson, B.S. Pharm., Pharm.D.

(sites subject to change)

Accreditation Council for Medical Affairs
Academy of Managed Care Pharmacy
Acurity Inc.

AIDS Healthcare Foundation

Alliance Pharmacy

Allergan

American College of Clinical Pharmacy

American Pharmacist Association

American Regent, Inc. / Luitpold

Americare Pharmaceutical Services

Annadale Family Pharmacy

Apthroprx Pharmacy

Auburndale Pharmacy, Inc.

Avanti Health Care

Bay Ridge Rx Specialty Pharmacy

Belle Mead Pharmacy, Inc.

Belle Harbor Chemists

Bellevue Hospital Center

Best Care Pharmacy

Bethpage Pharmacy

BGB Communication, LLC

Bristol-Myers Squibb

Cardinal Health Nuclear Pharmacy Services

CareMed Pharmacy

Catholic Health Services	Montefiore New Rochelle	NYU Hospitals Center
CDM New York	Montefiore Nyack	NYU Langone Hospital Long Island
Centers for Disease Control and Prevention	Monter Cancer Center	NYUPN Clinically Integrated Network
Cherokee Indian Hospital	Mount Sinai Hospital	Onco360 Pharmacy
City Chemists	Mount Sinai Health Partners	ONPOINT Pharmacies
Clinical Solutions Corporation	Mount Sinai Hosptial Queens	Palisades Medical Center
Columbo Pharmacy	Mount Sinai South Nassau	Park Chemist
Coney Island Hospital	My CHS Rx	Park West Pharmacy
Cureatr Clinic, LLC	Narayan Pharmacy	Perla Pharmacy
CVS Health	Nassau University Medical Center	PetNet Pharmaceuticals
Delco Drugs	Neergaard Pharmacy	Pfizer, Inc.
Duane Reade	New City Pharmacy	Phelps Memorial Hospital
Elizabeth Seton Children's Center	New Jersey Pharmacist Association	PQA (Pharmacy Quality Alliance)
Elmhurst Hospital	New Victory Pharmacy	Precision Pharmacy of Bellmore
FCB Health	New York City Poison Control Center	Precision Compounding Pharmacy
Fidelis Care New York	New York Eye & Ear Infirmary of Mount Sinai	PRI Healthcare Solutions
Fleetwood Specialty Pharmacy	NYC Dept. of Health and Mental Hygiene	Price Chopper Pharmacy
Flushing Hospital Medical Center	New York City Health + Hospitals	Project Renewal
Food and Drug Administration	New York-Presbyterian Allen Hospital	Queens Hospital Center
Franhill Pharmacy	New York-Presbyterian Columbia University Medical Center	Radioisotope Life Sciences
Franklin Square Pharmacy	New York-Presbyterian Lawrence Hospital	Rite Aid Pharmacy
Franwin Pharmacy	New York-Presbyterian Lower Manhattan Hospital	Rockville Centre Pharmacy
Good Samaritan Hospital	New York-Presbyterial Morgan Stanley Children's Hospital	Rosebank Pharmacy LLC
Gotham Health NYC Health + Hospitals	New York-Presbyterian Queens	S and M Pharmacy
Guardian Consulting Services	New York-Presbyterian Weill Cornell Medical Center	Sagamore Children's Psychiatric Center
Gurwin Jewish Nursing and Rehabilitation Center	New York-Presbyterial Westchester Behavioral Health Center	Salzman Chemists
Hackensack Meridian Palisades Medical Center	North Central Bronx Hospital	Silver Rod Pharmacy
Halethorpe Pharmacy	Northport VA Medical Center	Southampton Hospital
Harpell Chemists	Northwell Health Long Island Jewish Medical Center	St. Francis Hospital
Havas Health and You	Northwell Health North Shore University Hospital	St. John's Episcopal Hospital
Haymarket Media, Inc.	Northwell Health Cohen Children's Medical Center	St. Joseph Hospital
HealthFirst Management Services	Northwell Health Glen Cove Hospital	St. Mary's Hospital for Children
Health Mart Pharmacy	Northwell Health Huntington Hospital	Stony Brook Infirmary Pharmacy
Health Smart Pharmacy	Northwell Health Long Island Jewish Forest Hills	Stony Brook University Hospital
HealthWhiz	Northwell Health Long Island Jewish Valley Stream	Stony Brook World Trade Health and Wellness Program
Hill Pharmacy	Northwell Health Peconic Bay Medical Center	Stop & Shop Pharmacy
HMH Pharmacy at Palisades	Northwell Health Phelps Hospital	Sunrise Pharmacy
Hospital for Special Surgery	Northwell Health Plainview Hospital	Sunlight Pharmacy
Jacobi Medical Center	Northwell Health Syosset Hospital	SUNY Downstate Medical Center
Jamaica Hospital Medical Center	Northwell Health South Oaks Hospital	Target /CVS Pharmacy
Jubliant Radiopharma	Northwell Health South Shore University Hospital	The Brooklyn Hospital
Kaiser Permanente	Northwell Health Stern Family Center for Rehabilitation	The Burke Rehabilitation Hospital
King Kullen	Northwell Health Geriatric Medical Group	The Institute for Family Health
Kings County Hospital	Northwell Health Physician Partners Rheumatology	The Medicine Shoppe
Kings Park Pharmacy	Northwell Health Sandra Atlas Bass Center for Liver Diseases	The National Association of Chain Drug Stores
Larchmont Pharmacy	Northwell Health Division of General Internal Medicine	The Socio-Esthetician
LI Script	Northwell Health Division of Infectious Disease	The University Hospital
Lincoln Medical Center	Novartis Pharmaceuticals	Thrift Drugs
Little Neck Drug Store	Nuclear Diagnostic Products of LI	Town Drug & Surgical
Marben Pharmacy	NYHTC and HANYC Employee Benefit Funds, Inc.	Town Pharmacy
Meijer Specialty Pharmacy		Town Total Compounding Center
Memorial Sloan Kettering Cancer Center		The University Hospital
Mercy Medical Center		Total Care Rx
Metropolitan Hospital		Town Drug and Surgical Manhattan
Midtown Pharmacy		Town Drugs East Northport
Molina Healthcare		Town Total Compounding Center

Trinity Home
Twin City
VA Hudson Valley Health Care System
Valley Hospital Lukow Pavillion
Value Mart
Village Pharmacy (Queens Village)
Village Pharmacy of Syosset
Vivo Health Pharmacy
Walgreens Pharmacy
Wal-Mart Stores, Inc.
Walter Reed National Military Medical Center
Wayne's Pharmacy
Wegmans Food Markets, Inc.
Westchester Medical Center
West Hempstead Pharmacy
Woodhull Hospital
Wyckoff Heights Medical Center
Xcenda

Affiliate Clinical Laboratory Sciences Sites

Robina Colclough-Davy, B.S., M.S., MLS(ASCP)cm,
Program Director

(sites subject to change)

Flushing Hospital Medical Center
Jamaica Hospital Medical Center
Long Island Jewish Medical Center
New York Presbyterian/Queens
Northwell Health System Labs
NYU Langone Medical Center
NYU Langone-Long Island
St. Francis Hospital
True Tox Labs
Wyckoff Heights Medical Center

Affiliate Nursing Clinical Sites

Janina Galdamez, MPA,
Clinical Coordinator of Nursing

(sites subject to change)

New York Presbyterian/Queens
Memorial Sloan Kettering Cancer Center
New York City Health + Hospitals
Mount Sinai Health System
VNS Health
Catholic Health Services of LI
Blythedale Children's Hospital
Gurwin Health Care System
Little Neck Care Center
St. Mary's Hospital for Children

Affiliate Radiologic Sciences Sites

Jennifer G. Chiu, B.S., M.B.A., Ed.D.,
Program Director

(sites subject to change)

NYC Health + Hospitals / Elmhurst
NYU Langone Health System (NYU Grossman School of Medicine)
Lenox Hill Radiology & Medical Imaging Associates, PC
Kingsbrook Jewish Medical Center
Jamaica Hospital Medical Center
Main Street Radiology
Memorial Sloan Kettering Cancer Center
Montefiore Medical Center
New York Presbyterian/Queens
NYU Langone Hospitals

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:

Andrew J. Bartilucci Scholarship Award
Ann Paula Zero '63MT, '72GP Memorial Scholarship
Charles Husking Award
Christina Veal-Grega Scholarship
Dean's Health Science Excellence Award
E. Burke Giblin Award
John Colligas '38 Expendable Scholarship
Vincenzo J. Mantia Memorial Scholarship Award
Bangladeshi -American Pharmacists Association Scholarship
Carl Calcagni Endowed Scholarship
Carl and Ralph Martorana Award
Christina Fontana Entrepreneurship Scholarship
CVS Health Spanish-Speaking Scholarship
CVS Health Scholarship Award
Dr. Joseph V. Etzel Professional Development Award
Dr. Robert A. Mangione Endowed Scholarship Fund
Dr. Tanaji Talele Excellence in Medicinal Chemistry Scholarship
Duane Read Scholars Endowed Award
Facts and Comparisons Award for Excellence
Fernandez Family Scholarship
Harry and Mary Doukas Scholarship
Herbert J. and Patricia Marie Kett Scholarship
Keegan Schmidt Memorial Scholarship
Korean American Pharmaceutical Society Award
L.W. Frohlich Award
Lambda Kappa Sigma Award
Marion and Michael Mangione Memorial Scholarship
Mary-Beth Konecni Scholarship
Mary Jane Fay Pharmacy School Scholarship
Maya Babayev Mitzvah Scholarship
Michael and Alfred Seul Award
Natural Medicine Comprehensive Database Recognition Award

Mitchell S. Krauss Memorial Award
Pakistani-American Pharmacists Award
Phi Delta Chi Award
Raymond C. and Dorothy I. Schlotterer Memorial Education Fund
Rho Chi Academic Excellence Award
Sandy Irene and Family Awards
Scheer Family Endowed Award
Seung K. and Yi J. Yoo Endowed Scholarship Fund
St. Luke's/St. Giovanni Leonardi Award
Suzie R. and Vincent J. Franze Endowed Scholarship Fund
TEVA Pharmaceuticals Award
The John Family Beacon of Hope Scholarship
Walgreens Multilingual Scholarship
Walgreens Diversity & Inclusion Excellence Scholarship
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.

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.

Radiologic Sciences Honor Society

The Epsilon Chapter of Lambda Nu, the national radiologic sciences honor society seeks to foster academic scholarship at the highest academic levels, promote research and investigation in the radiologic and imaging sciences, and recognize exemplary scholarship. Third and Fourth year students in the professional phase of the program with a professional GPA of 3.0 and higher and are nominated on a basis of their service and leadership are eligible for induction into this 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.
FYW 1000	3
THE 1000*	3
CHE 1110, 1111, 1112	4
MTH 1250	3
FYS 1000	3
PHR 1000	0
TOTAL	16

Spring Semester

ENG 1100*	3
THE SACRED TEXTS	3
CHE 1120, 1121, 1122	4
MTH 1260	3
PHI 1000*	3
CPP 1101	1
TOTAL	17

Second Year

Fall Semester	
Social Justice	3
PHI 2240* or THE 3300*	3
BIO 2000	3
CHE 1130, 1131, 1132	4
RCT 1005*	3
PAS 2301	1
TOTAL	17

Spring Semester

PHI 3000	3
PAS 2201	3
PHS 3504	3
PHS 2101	3
PHS 2201	4
PHS 2301	1
TOTAL	17

*Note: *These courses will be taught both semesters.*

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 3203	1
PHS 3604	1
PHS 3303	1
Elective	2
TOTAL	16

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
TOTAL	18

Note: The bracketed courses will be taught sequentially.

Spring Semester

CPP 6101	3
CPP 6102	3
PHR 6101	2
Professional Elective	3
Professional Elective	3
PHR 5000+	0
TOTAL	14

Note: + Course required for APPE's.

Sixth Year

Fall Semester

APPE Rotations	12
CPP 5203	5
TOTAL	17

Spring Semester

APPE Rotations	15
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There are a total of nine Advanced Pharmacy Practice Experiences (APPEs) in the entry-level Doctor of Pharmacy Program. The rotations are divided in four-week blocks at three credits each. The rotations are as follows:

Required APPE Rotations

1. CPP 5413 Advanced Community Pharmacy
2. CPP 5414 General Inpatient Care
3. CPP 5407 Ambulatory Care Clerkship
4. CPP 5415 Focused Inpatient Care or CPP 5417 Ambulatory Care II or CPP 5418 Advanced Community II
5. CPP 5416 Health Systems Pharmacy

Elective APPE 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

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.
FYW 1000	3
MTH 1250	3
CHE 1110/1/2	4
ALH 2101	2
THE 1000	3
FYS 1000	3
TOTAL	18

Spring Semester

FYW 1000	3
MTH 1260	3
CHEM 1120/1/2	4
BIO 2000	3
BIO 2001L	1
PHI 1000	3
TOTAL	17

Second Year

Fall Semester

CHEM 1130/1/2	4
PHS 3103	3
PHS 3104	1
PHY ELECTIVE	3
PHI 2240	3
LANG1 OR LAC1000	3
TOTAL	17

Spring Semester

SOC SCI ELECT	3
PHS 3105	3
PHS 2101	3
PHS 3101	3
PHI 3000C	3
LANG2/FINE ART/MUSIC	3
TOTAL	18

Third Year

Fall Semester

TOX 1401	3
TOX 1402	1
TOX 4413	3
TOX 4414	2
THE SACRED TEXTS	3
SPE 1000	3
TOTAL	15

Spring Semester

BIO 2280/1	4
BIO 3460/1	4
HIS 1000	3
SOCIAL JUSTICE	3
PHS 4204	3
TOTAL	17

Fourth Year

Summer Semester*

ALH 4140	2*
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Fall Semester

ALH 4148	3
ALH 4149	1
ALH 4153	2
ALH 4154	3
ALH 4155	4
ALH 4156	2
ALH 4157	2
TOTAL	17

Spring Semester

ALH 4150	2
ALH 4170	2
ALH 4163	2
ALH 4164	2
ALH 4165	4
ALH 4166	2
ALH 4167	2
ALH 4168	
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.
FYW 1000	3
MTH 1250	3
CHE 1210/11/12	5
FYS 1000	3
HIS 1000	3
TOTAL	17

Spring Semester

THE 1000	3
MTH 1260	3
CHE 1220/21/22	5
BIO 2000	3

BIO 2001L	1
TOX 1101	1
TOTAL	16

Second Year

Fall Semester

CHE 2230/31	5
PHS 3103	3
PHS 3104	1
PHY 1610/11/12	4
TOX 2403	3
TOTAL	16

Spring Semester

CHE 2240/41	5
PHS 3105	3
PHY 1620/21/22	4
PHI 1000	3
TOX 2202	1
TOTAL	16

Third Year

Fall Semester

TOX 1401	3
TOX 1402	1
TOX 3405	4
PHI 2240 or THE 3300	3
THE Sacred Texts	3
PHS 3101	3
TOTAL	17

Spring Semester

PHS 2201	4
PHS 2201	4
PHS 2301	1
TOX 3406	4
ENG 1100	3
General Elective	3
General Elective	3
TOTAL	18

Fourth Year

Fall Semester

TOX 4404	4
TOX 4405	1
TOX 4413	3
TOX 4414	2
Social Justice	3
TOTAL	13

Spring Semester

TOX 4403	4
TOX 4412	4
PHI 3000	3
General Elective	3
TOTAL	14

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

FYW 1000	3
FYS 1000	3
THE 1000	3
PHI 1000	3
SPE 1000	3
TOTAL	15

Spring Semester Credits

ENG 1100	3
RAD 1101	2
MTH 1050	3
Social Science	3
HIS 1000	3
PAS 340	3
TOTAL	17

Second Year

Fall Semester Credits

PHI 2240	3
LAC 1000 or Language I	
THE Sacred Texts	3
PAS 3401	3
PAS 4201	3
RAD 1110	3
TOTAL	18

Spring Semester Credits

PHI 3000	3
Fine Arts/Music or Language 2	3
Social Justice	3
PAS 4202	3
RAD 1111	3
PHY 1360	3
TOTAL	18

Third Year

Fall Semester

RAD 1203	4
RAD 1206	4
RAD 1114	3
RAD 1127	1
TOTAL	12

Spring Semester

RAD 1207	4
RAD 1208	3
RAD 1115	3
RAD 1129	4
RAD 1128	3
TOTAL	18

Summer Semester*

RAD 1150	0
TOTAL	0

Fourth Year

Fall Semester

RAD 2105	3
RAD 2124	1
RAD 2127	3
RAD 2207	3
RAD 2208	4
TOTAL	14

Spring Semester

RAD 2109	4
RAD 2123	4
RAD 2132	3

RAD 2211 or RAD 2213	2
RAD 2128	3
TOTAL	16

*summer tuition may apply

Biomedical Science

(Minimum of 121 semester hours)

First Year

Fall Semester	Credits
BIO 1000	4
CHE 1210/1211/1212	5
FYS 1000	3
FYW 1000	3
TERM CREDIT:	15

Spring Semester	Credits
BIO 2000	3
BIO 2001L	1
CHE 1220/1221/1222	5
MTH 1260	3
THE 1000	3
BMS 1000	1
TERM CREDIT:	16

Second year

Fall Semester	Credits
CHE 2230/2231L	5
PHS 3103	3
MTH 1250	3
PHI 1000	3
SPE 1000	3
TERM CREDIT:	17

Spring Semester	Credits
CHE 2240/2241L	5
PHS 3104	1
PHS 3105	3
PAS 2500	3
HIS 1000	3
TERM CREDIT:	15

Third Year

Fall Semester	Credits
PHY 1610/11/12	4
BMS 2200/2201	4
PAS 3402	3
ENG 1100	3
BMS (PHS) elective	3
TERM CREDIT:	17

Spring Semester	Credits
PHY 1620/21/22	4
BMS 2400/01	4
Social Science Elective	3
PHI 2240 OR THE 3300	3
BMS (PAH) Elective	3
TERM CREDIT:	17

Fourth Year

Fall Semester	Credits
THE Sacred Texts	3
Social Justice	3
BMS elective*	3
BMS elective*	3
TERM CREDIT	12

Spring Semester	Credits
General Elective	3
PHI 3000	3
BMS Elective*	3
BMS Elective*	3
TERM CREDIT:	12

*BMS electives: PAS 2201, PAS 3401, PAS 3502, PAS 3503, PAS 4201, PAS 4202, PAS 4305, PAS 4501, PAS 4502, PAS 4503, PAS 3951, PAS 3952, PHS 2101, PHS 3101, PHS 4204, PHS 3951, PHS 3952, BMS 2300/01, BMS 2500/01, BMS 2600/01, BMS 2700, BMS 2800/01, TOX 1401/02, TOX 2403, TOX 3405, TOX 3406

Nursing

(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.
DNY 1000	3
FYW 1000	3
BIO 2000	3
BIO 2001L	1
PHS 1100	3
PHS 1100L	1
NUR 1100	1
TOTAL	15

Spring Semester

THE 1000	3
ENG 1100	3
PSY 1003	3
PHS 3103	3
PHS 3103L	1
NUR 1000	3
TOTAL	16

Second Year

Fall Semester	
PHS 3101	3
PHS 3105	3
PHS 3105L	1
PHI 1000	3
SPC 1000	3
Language I or LAC 1000 3	
TOTAL	16

Spring Semester

BMS 2400	3
BMS 2400L	1
NUR 2000	4
NUR 2100	3
HIS 1000	3
Language 2 or Fine Arts 3	
TOTAL	17

Third Year

Fall Semester	
NUR 3000	5
NUR 3100	3
NUR 3200	1
NUR 3300	3

PHI 2240	3
MTH 1250	3
TOTAL	18

Spring Semester

NUR 3400	5
NUR 3500	5
NUR 3600	3
THE SACRED TEXTS	3
TOTAL	16

Fourth Year

Fall Semester

NUR 4200	5
NUR 4100	4
PHI 3000	3
SOCIAL JUSTICE	3
TOTAL	15

Spring Semester

NUR 4300	4
NUR 4400	3
NUR 4500	3
NUR 4600	2
NUR 4700	3
TOTAL	15

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 Introduction to Drugs and Diseases

This course is designed to introduce the student to the patient evaluation process and the therapeutic management of special populations in select diseases of the skin, connective tissue, gout and glaucoma. Teaching emphasis will be a sequential method of instruction relevant to these disease states to incorporate the areas of pathophysiology, pharmacology, medicinal chemistry, and therapeutics (including 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; PHS 4601. 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; PHS 4601. 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 four 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 fourth 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.*

6103 Leadership Development in Pharmacy Practice

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. *Credit: 3 semester hours.*

6104 Critical Care

Prerequisites: All courses through the fourth 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 Health Professions Course Offerings (CHP)

Tina Kanmaz, Pharm.D., Chair and Clinical Professor

As of September 2023 the Department of Clinical Health Professions has been separated into three distinct departments.

Department of Health Professions

Sandra Beysolow, M.S.Ed., PhD., *Chair and Associate Professor Industry Professional*

Department of Nursing

Francine Laterza, EdD, RN, PNP, CNE, *Chair and Associate Professor Industry Professional*

Department of Pharmacy Practice

Tina Kanmaz, PharmD, *Chair and Clinical Professor*

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).

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.*

3220 Fundamentals in Clinical Laboratory Science

Pre-requisites: ALH 2101, BMS 2200/01, TOX 1401/1402. Co-requisites: ALH 3221L. This course will prepare students for their professional year and clinical practicum experiences. It will expose students to manual techniques, reagent preparation, instrumentation methods, sample handling and processing procedures used in various areas of the clinical laboratory. In addition, infection control, universal precautions, HIPPA, quality control, and clinical electives will be emphasized. *Lecture, 3 hours. Credit: 3 semesters hours.*

3321L Fundamentals in Clinical Laboratory Sciences Laboratory

Co-requisite: ALH 3220. This laboratory course will reinforce the theoretical knowledge acquired in didactic coursework. It will focus on the applications of manual techniques, reagent preparation, instrumentation methods, sample handling, and processing procedures used in various areas of the clinical laboratory. *Laboratory 3 hours. Credit: 1 semester hour*

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.*

4148 Clinical Bacteriology (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 infection 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 as a means to identify these organisms is presented. The diseases caused by these organisms is also included and discussed. Includes clinical practicum. *Credit: 2 semester hours.*

4149 Immunology for Clinical Laboratory Science (CLS)

This course is composed of the study of cellular and antigen-antibody reactions. Topics covered include 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. The latest laboratory testing methods that aid in the diagnosis of bacterial, viral and parasitic diseases are presented to the students. Includes clinical practicum. *Credit: 2 semester hours.*

4150 Clinical Bacteriology and Virology (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 specimen 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. Includes clinical practicum. *Credit: 2 semester hours.*

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. *Includes Clinical Practicum. 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. *Includes Clinical Practicum. 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.

Includes Clinical Practicum. 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. *Includes Clinical Practicum. 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. *Includes Clinical Practicum. Lecture, 2 hours. Credit: 2 semester hours.*

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. *Includes Clinical Practicum. 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. *Includes Clinical Practicum. 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. *Includes Clinical Practicum. 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. *Includes Clinical Practicum. 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. *Includes Clinical Practicum. 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.*

4170 Advanced Seminar in Clinical Laboratory Sciences (CLS)

This course will prepare students for the transition to entry-level clinical laboratory technologists. It will expose students to information on both NY State licensure and the ASCP Board of Certification (BOC) examination application. In addition, job search strategies including resume writing, and interviewing preparation will be discussed. Published examination review sources and computer mock exams will be used as framework for students to practice and develop experience with analysis and synthesis of laboratory produced data. Case studies will be used to reinforce material taught in lecture. Students will also prepare a portfolio documenting their professional year. *Credit: 2 semester hours.*

Pharmacy Practice (CPP)

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.*

CPP 3153 Introduction to Alternative and Complementary Medicine.

Prerequisites: CPP 1101 & PAS 2301. This course is intended to provide an introduction to the basic principles, indications, and philosophy of various alternative medicine modalities. In addition, it will provide an overview of regulatory/legal issues, equity issues related to access, how to obtain reliable information on alternative practices, ethical considerations and exploration of alternative modalities, and review the educational requirements of practitioners involved in these practices. *Credit: 2 semester hours.*

3154 Community Health Advocacy and Outreach

Prerequisites: 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: 2 semester hours.*

CPP 3155 Building Health Equity: Critical evaluations of structural inequity, racism and health outcomes.

Developing a historical and conceptual understanding of racism, privilege, and oppression at the interpersonal/professional, institutional, social, and cultural level are key to ensuring health care practitioners are equipped to serve an increasingly diverse population in a way that centers on equity and justice. We will be using Intergroup Dialogue as the pedagogical approach for students to engage these topics in this learning environment. We will also be using a critical social justice theoretical perspective that recognizes that society is significantly stratified (divided and unequal) along social group lines that include race, class, gender, sexual identity, and ability. Furthermore, critical social justice recognizes inequity as deeply embedded in the fabric of society (i.e. as structural), and actively seeks to change this dynamic. Using this framework, we will be centering race, racism and antiracism, as well as examine how other social identities (i.e. class, gender, sexual identity, and ability) intersect with race and ethnicity in our discourse to 1) decenter dominant narratives and surface counter-narratives; 2) disrupt hegemonic approaches to healthcare and healthcare delivery, and 3) analyze systemic oppression, its root causes and its impact on health, healthcare and healthcare delivery. *Credit: 3 semester hours.*

3201 Essentials of Pharmacy Practice

This course is designed to introduce the student to skills necessary to provide patient oriented pharmacy services. This course is designed to introduce the student to the essential skills necessary to provide patient centered care. This

course will discuss ethical, cultural, professional issues encountered in health care practice. *Credit: 2 semester hours.*

3203 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 52 hours and one credit experiential hours (one four-hour day per week for 13 weeks) Credit: 1 semester hours.*

3951 Research in Clinical Pharmacy I*

Students participate in clinical research studies under the direction of clinical faculty. Permission for student participation must be obtained from a clinical faculty member prior to course registration. *Credit: 3 semester hours.*

3952 Research in Clinical Pharmacy II

(See 3951) *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.*

5203 Experiential Pharmacy II

Prerequisites: CPP 3203. 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: 5 semester hours.*

**This is a longitudinal pharmacy practice learning experience. It will begin in fall of fourth year and must be completed by fall of fifth 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 4602. 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 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 I

Prerequisites: ALL required courses through fifth year and successful completion of the competency examination. The course is a required advanced pharmacy practice experience (APPE) designed to ensure student pharmacist preparedness for entry-level practice. This experience provides the student an

opportunity to practice and enhance skills relative to the application of utilizing the Pharmacist's Patient Care Process (PPCP) to patients in the ambulatory care setting. Students are expected to become active members of the healthcare team by monitoring patients' drug therapy, providing therapeutic recommendations, and counseling patients. Emphasis will be placed on pharmacist-patient relationships and collaboration in order to promote and deliver safe medication use. In addition, students will develop value based patient care plans, practice communication skills, and ensure an optimal patient care experience. The goal of this course is to provide adequate experience to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them to direct patient care activities in an ambulatory care setting. *Credit: 3 semester hours.*

CPP 5408 Elective II Clerkship

Prerequisites: ALL required courses through the 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.*

CPP 5409 Elective III Clerkship

Prerequisites: ALL required courses through the 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.*

CPP 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.*

5413 Advanced Community Pharmacy Practice I

Prerequisites: ALL required courses through fifth year and successful completion of the competency examination.

This course is a required Advanced Pharmacy Practice Experience (APPE) designed to ensure student pharmacist preparedness for entry-level practice in a community setting. The experience provides the student the opportunity to practice and enhance their skills relative to the application of the Pharmacist's Patient Care Process (PPCP) to patients in the community setting. The learning

outcomes of the experience are concentrated in four aspects of community pharmacy practice: patient care through prescription processing, pharmacist-assisted self-care, immunization services, and the provision of Medication Therapy Management services. Other areas of practice that may be experienced include disease management, preventative health screening, prescription compounding, management, and/or other advanced practice activities. The goal of the course is to provide adequate experience to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them in direct patient care activities in a community setting. *Credit: 3 semester hours.*

5414 General Inpatient Care

Prerequisites: ALL required courses through fifth year and successful completion of the competency examination.

This course is a required advanced pharmacy practice experience (APPE) designed to ensure student pharmacist preparedness for entry-level practice in a general inpatient setting. The experience provides the student the opportunity to practice and enhance their skills relative to the application of the Pharmacist's Patient Care Process (PPCP) to patients in a general inpatient 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 relationships, team dynamics and collaboration in order to promote and deliver safe medication use, develop value based patient care plans, communication skills and ensure an optimal patient care experience. This experience is fundamental in developing the abilities outlined in the Doctor of Pharmacy Program Outcomes statement. The goal of the course is to provide adequate experience to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them in direct patient care activities in a general inpatient setting. *Credit: 3 semester hours.*

5415 Focused Inpatient Care

Prerequisites: ALL required courses through fifth year and successful completion of the competency examination and successful completion of CPP 5414.

This course is an advanced pharmacy practice experience (APPE) designed to ensure student pharmacist preparedness for entry-level practice in a focused inpatient setting. The experience provides the student the opportunity to practice and enhance their skills relative to the application of the Pharmacist's Patient Care Process (PPCP) to patients in the inpatient 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 focused inpatient population. Emphasis will be placed on pharmacist-patient relationships, team dynamics

and collaboration in order to promote and deliver safe medication use, develop value based patient care plans, communication skills and ensure an optimal patient care experience. This experience is fundamental in developing the abilities outlined in the Doctor of Pharmacy Program Outcomes statement. The goal of the course is to provide adequate experience to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them in direct patient care activities in a focused inpatient setting. *Credit: 3 semester hours.*

CPP 5416 Health System Pharmacy

Prerequisites: ALL required courses of fifth year and successful completion of the competency examination. The course is a required advanced pharmacy practice experience (APPE), designed to ensure student pharmacist preparedness for entry-level practice in a health-system pharmacy setting. The experience provides the student the opportunity to practice and enhance their skills relative to the application of the Pharmacist's Patient Care Process (PPCP) to patients in the health-system pharmacy setting. During this APPE, the student will experience the scope and functions of pharmacy administration in an integrated health care system. The student will work as an integral and collaborative member of the pharmacy management team. Throughout the rotation, the student will gain exposure to and an understanding of the responsibilities of Pharmacy Administration within a complex integrated health care system, including pharmacy operations, planning and project management, clinical pharmacy services and program development, quality assurance and improvement, the management of human resources, the management of financial resources, use of technology, and system-wide interdisciplinary issues. The goal of the experience is to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them in patient care activities along with healthcare and other professionals. *Credit: 3 semester hours.*

5417 Ambulatory Care II

Prerequisites: ALL required courses through fifth year and successful completion of the competency examination and successful completion of CPP 5407.

The course is an advanced pharmacy practice experience (APPE) designed to ensure student pharmacist preparedness for entry-level practice. This experience provides the student an opportunity to practice and enhance skills relative to the application of the utilizing Pharmacist's Patient Care Process (PPCP) to patients in the ambulatory care setting. Students are expected to become active members of the healthcare team by monitoring patients' drug therapy, providing therapeutic recommendations, and counseling patients. Emphasis will be placed on pharmacist-patient relationships and collaboration in order to promote and deliver safe medication use. In addition, students will develop value based patient care plans, practice communication skills, and ensure an optimal patient care experience.

The goal of this course is to provide adequate experience to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them to direct patient care activities in an ambulatory care setting. *Credit: 3 semester hours.*

5418 Advanced Community Pharmacy Practice II

Prerequisites: ALL required courses through fifth year and successful completion of the competency examination and successful completion of CPP 5413. This course is a required Advanced Pharmacy Practice Experience (APPE) designed to ensure student pharmacist preparedness for entry-level practice in a community setting. The experience provides the student the opportunity to practice and enhance their skills relative to the application of the Pharmacist's Patient Care Process (PPCP) to patients in the community setting. The learning outcomes of the experience are concentrated in four aspects of community pharmacy practice: patient care through prescription processing, pharmacist-assisted self-care, immunization services, and the provision of Medication Therapy Management services. Other areas of practice that may be experienced include disease management, preventative health screening, prescription compounding, management, and/or other advanced practice activities. The goal of the course is to provide adequate experience to enhance knowledge and skills acquired through didactic education and Introductory Pharmacy Practice Experiences (IPPEs) and apply them in direct patient care activities in a community setting. *Credit: 3 semester hours.*

6101 Case Studies in Drugs and Diseases Issues in Pharmaceutical Care

Prerequisites: ALL courses through fourth 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 fourth 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 fourth 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 predominantly occur in the elderly. The use of a case study format will allow the student to gain experience in designing and monitoring drug regimens for the geriatric patient. *Elective. Credit: 3 semester hours.*

6105 Contemporary Community Pharmacy Practice

Prerequisites: ALL courses through fourth 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 fourth 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 fourth 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 Comprehensive Management of HIV/AIDS

Prerequisite: PHR 4105. This course is intended

to facilitate the development of the skills and competencies necessary for the provision of pharmaceutical care to patients infected with HIV. The course is intended to review the pharmacologic management of HIV infection and associated AIDS indicator conditions. Emphasis will be placed on patient assessment and the development of pharmaceutical care plans for patients suffering from HIV. *Elective. Credit: 3 semester hours.*

6110 Advanced Topics in Infectious Disease

Prerequisite: PHR 4105. 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 fourth 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 fourth 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: CPP 3201. 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.*

6115 Veterinary Pharmacy

Prerequisites: All courses through Fall of 5th year. This course is an asynchronous online elective designed to develop students' knowledge and skills in the area of veterinary pharmacy. It will explore the pharmacist's role in providing care for veterinary patients with a focus on special therapeutic considerations in veterinary medicine. Emphasis will be placed on appropriate medication selection for the prevention and/or treatment of common acute and chronic conditions affecting domestic animals. *Credit: 3 semester hours.*

6116 Vincentian Health Care: Caring for the Underserved

This course will demonstrate to students how health care professionals can apply the University's Vincentian mission in providing health care for the underserved/poor. The course will expose the student to the sociology of poverty and its impact upon illness and healthcare delivery. The special health care needs of the underserved/poor experiencing health disparities will be emphasized. The course will address the health care needs of poor patients, including homeless individuals, newly arrived poor immigrant groups and the working poor. The challenges that patients encounter attempting to access health care and medicine, and the challenges that health care professionals must overcome to provide care to poor patients, will be addressed. *Credit: 3 semester hours.*

6117 Pharmacist as an Immunization Provider

This course will prepare the student to actively participate in a pharmacy-based immunization program. It will provide a comprehensive overview of the role of the pharmacist as an immunization provider and prepare the student to apply the pharmacist's patient care process to immunization services. *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.*

1110 Radiographic Human Structure and Function I

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

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. 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 third year fall semester courses. 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.*

1203 Patient Care and Medical Terminology in Radiologic Sciences

Prerequisites: All pre-professional courses. This course provides students with the basic concepts of optimal patient care, including consideration for the physical and psychological needs of the patient and family. A focus will be on ethical and legal issues surrounding patient care. Routine and emergency patient care procedures are described as well as infection control and medical terminology. This course also includes an introduction to a word-building system and an orientation to understanding radiographic orders

and diagnostic report information, including abbreviations and symbols. The role of the radiographer in patient education and radiation protection is emphasized. Radiographic contrast agents and basic concepts of pharmacology will be discussed, as well as the basic techniques of venipuncture for the introduction of contrast agents and/or intravenous medications. *Lecture, Credit: 4 semester hours.*

1206 Radiographic Anatomy & Procedures with Lab I

Prerequisites: All pre-professional courses.

This course is designed to introduce the student to aging procedures with a focus on the radiographic anatomy and procedures of the thorax, abdomen and the upper extremity with consideration for pediatric, geriatric and trauma patients. Particular focus will be on how to distinguish between optimal and sub-optimal images and identify abnormalities related to any underlying pathology. Acceptable practices and principles are discussed and reinforced. Information will be reinforced through the use of active learning strategies such as, but not limited to, case studies, simulations and problem-based learning. *Lecture/Lab, Credit: 4 semester hours.*

1207 Radiographic Anatomy and Procedures with Lab II

Prerequisites: All pre-professional and third year fall semester courses. This course will focus on the radiographic anatomy and procedures of the lower extremity, pelvic girdle, vertebral column and bony thorax with consideration for pediatric, geriatric and trauma patients. A focus will be on the ability to distinguish between optimal and sub-optimal images and identify abnormalities related to any underlying pathology. Acceptable practices and principles are discussed and reinforced. Information will be reinforced through the use of active learning strategies such as, but not limited to, case studies, simulations and problem-based learning. *Lecture/Lab, Credit: 4 semester hours.*

1208 Medical Imaging: Principles of Radiographic Exposure and Digital Imaging

Prerequisites: All pre-professional and third year fall semester courses. This course is designed to familiarize students with the various imaging systems in radiography, including an emphasis on digital imaging. A comprehensive analysis of technical, procedural, and geometric factors as they relate to and influence the production of a radiographic image is provided. The impact of the aforementioned factors on radiographic quality and patient dose is emphasized. *Lecture, Credit: 4 semester hours.*

2105 Advanced Radiation Protection and Radiation Biology

Prerequisites: All pre-professional courses and third year professional courses. 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.*

2109 Radiographic Anatomy and Procedures IV

Prerequisites: All pre-professional, third year professional courses, fourth year fall semester professional courses. 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.*

2123 Pathophysiology with Film Review

Prerequisites: All pre-professional, third-year professional courses, fourth-year fall semester professional courses. 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, third-year professional courses. 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, third-year professional courses, fourth-year fall semester professional courses. 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.*

2207 Radiographic Sectional Anatomy

Prerequisites: All pre-professional courses, third year professional courses. This course will focus on gross anatomical structures and their location in axial (transverse), sagittal, coronal, and orthogonal (oblique) planes. Illustrations and anatomy images will be compared with Magnetic Resonance (MR) and Computerized Tomography (CT) images in the same imaging areas and levels. Emphasis will be placed on characteristic appearances of each anatomical structure as it appears in CT and MR images. *Lecture, Credit: 3 semester hours.*

2208 Radiographic Anatomy and Procedures with Lab III

Prerequisites: All pre-professional courses and third-year professional courses Co-requisites: RAD 2127. This course will focus on the radiographic anatomy and procedures for the various procedures related to the biliary system, gastrointestinal tract, urinary system and cranium with consideration for fluoroscopic studies, pediatric, geriatric and trauma patients. A focus will be on the ability to distinguish between optimal and sub-optimal images and identify abnormalities related to an underlying pathology. Acceptable practices and principles are discussed and reinforced. Information will be reinforced through the use of active learning strategies such as, but not limited to case studies, simulations and problem-based learning. *Lecture/Lab, Credit: 4 semester hours.*

2211 Introduction to Computed Tomography

Prerequisites: All pre-professional courses, third-year professional courses, and fourth-year fall semester professional courses. This course will provide an introduction to the basic understanding of the operation of computed tomography (CT) equipment. An overview of scanner components, data acquisition, digital imaging, image reconstruction, image analysis, image display and manipulation, and quality assurance will be provided. Current imaging applications will be explored and radiation protection will be emphasized. *Lecture, Professional elective, Credit: 2 semester hours.*

2213 Fundamentals of Mammography

Prerequisites: All pre-professional courses, third-year professional courses, and fourth-year fall semester professional courses. *Corequisites: RAD 2128.* This mammography course introduces students to the concepts necessary to perform a mammogram. The focus will be on theories and practices inherent in standard and mammographic positioning, compression, breast anatomy and physiology, imaging techniques for breast pathology, clinical image evaluation, digital image processing, quality assurance/quality control QA/QC of mammographic equipment and the Mammography Quality Standards Act and Program (MQSA) Federal guidelines. Professional elective, *lecture, Credit: 2 semester hours.*

1127, 1128, 1129, 1150, 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.

Nursing Course Offerings (NUR)

1000 Introduction to Transcultural Nursing

Prerequisites: NUR 1100. Corequisites: None. The purpose of this course is to explore and describe the evolution of nursing as a profession and how historical, cultural, and contemporary issues in nursing have impacted current nursing practice. Transcultural nursing is defined. This introductory nursing course enables students to begin developing an understanding of the professional nursing role. Core nursing concepts (caring, compassion, wellness, health promotion, disease prevention, therapeutic use of self) are integrated as the student learns about the complex nature of providing culturally competent nursing care of individuals and their families. Professional nursing conduct, appearance, image, and communication skills will be discussed. Professional standards of nursing practice, the Nursing Code of Ethics, holistic nursing practice, and nursing theory will be introduced. The course introduces the concept of health promotion as a framework for nursing practice within the healthcare delivery system. Opportunities to examine and implement health promotion programs on the individual

and community level are explained. Information seeking strategies in the health sciences will be discussed with emphasis placed on use of current evidence-based resources and use of APA formatting for required coursework and assignments. The Nursing Electronic-Portfolio is introduced. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

1100 Medical Terminology

Prerequisites: None. Corequisites: None. This hybrid course provides the student with basic medical language skills and definitions of medical terms used in nursing practice. The body's organization is presented, and students are encouraged to use terminology to "orienteer" through the body. The courseware provides excellent reinforcement in the form of lively interactive, self-guided online exercises and practice tests. Learning is enhanced by going beyond the scope of the text and inviting students to explore unique features within each body system and the associated terminology. This hybrid course is designed to be used with the textbook to provide a comprehensive course covering the essential word parts, terms, and abbreviations associated with safe nursing practice. Students identify and define a word stem, a prefix, a suffix, and technical terms with an emphasis on proper spelling, pronunciation and applications related to body systems. Students learn the terminology common to the basic steps of patient interactions: presentation, examination, diagnosis, and therapy. *Credit: 1 semester hour, 1 credit.*

2000 Health Assessment and Promotion

Prerequisites: PHS 1000; PHS 1000L; NUR 1000; PHS 3105; PHS 3105L. Corequisites: NUR 2100; BMS 2400; BMS 2400L. This hybrid course focuses on the theory and development of physical assessment skills and health pattern evaluation skills that are essential to culturally sensitive clinical judgments, therapeutic interventions, and achievement of desired health outcomes across the lifespan. Students obtain health histories, perform physical and psychosocial assessments, establish a database, and formulate initial nursing plans using the nursing process. The nursing process, diagnostic processes, and risk factors that lead to illness are discussed in relation to health promotion and disease prevention. Developmental aspects, sociocultural influences, health-illness perceptions, normal variations of health-status findings, and documentation are highlighted throughout the course. The laboratory portion of this course is designed to develop the health assessment and physical assessment skills that are necessary to professional nursing practice. Students become familiar with the use of assessment instruments through practice in a supervised on-campus laboratory. *Lecture, 3 hours. Lab, 1 hour. Credit: 4 semester hours, 4 credits.*

2100 Clinical Pathophysiology for Nurses

Prerequisites: NUR 1000. Corequisites: BMS 2400; BMS 2400L; NUR 2000. This course relates manifestations of disease, risk factors for disease, and the principles of pathology underlying illness and injury to therapeutic nursing interventions

and outcomes. Students gain an understanding of the progression of disease to identify the disease and implement treatment options for their patients across the lifespan. A systems approach is used to explore the interrelationships among pharmacology, pathophysiology, and the therapeutic goal of physiologic integrity from a nursing perspective. Human responses to disruption in selected functional health patterns which threaten the individual's level of wellness are explained. Objective and subjective manifestations of common health problems resulting from environmental, genetic, and stress-related maladaptation are assessed and analyzed. Assessment findings, diagnostic testing, and interventions for specific health problems are discussed. Pharmacologic treatments for specific health problems are explored. Students relate clinical manifestations of common diseases to the underlying pathophysiologic processes. A holistic perspective prepares students to provide individualized nursing care to the child, adult, and older adult populations. To help students "connect the dots," a series of high-fidelity simulations is integrated into the course. These simulations integrate content from assessment, pathophysiology, and concepts courses, allowing students to apply what they are learning to the care of a simulated patient. *Credit: 3 semester hours, 3 credits.*

3000 Fundamentals of Transcultural Nursing

Prerequisites: NUR 2000; NUR 2100. Corequisites: NUR 3100; NUR 3200; NUR 3300. This course is the first of a series of three medical-surgical and critical care nursing courses designed to prepare the baccalaureate student for professional nursing care of adults, elder adults and families through didactic and simulated experiences. This course provides an overview of the nursing concepts and the health concepts related to medical-surgical nursing. The scope and principles of emergency care and disaster preparedness will be introduced. Assessment and care of the patient with fluid, electrolyte, and acid-base imbalance will be examined. Students will learn the concepts of perioperative nursing care. Care of patients with infection or problems with immunity will be discussed. An emphasis will be placed on developing critical thinking skills and clinical judgement during simulation. Students will participate in acute medical simulation scenarios and demonstrate patient safety, medication administration, therapeutic communication, interprofessional collaboration, evidence-based practice and culturally competent nursing care. *Lecture, 3 hours. Lab, 2 hours. Credit: 5 semester hours, 5 credits.*

3100 Adult/Elder Nursing I

Prerequisites: NUR 2000; NUR 2100. Corequisites: NUR 3000; NUR 3200; NUR 3300. This course is the first of a series of three medical-surgical and critical care nursing courses designed to prepare the BSN student for professional nursing care of adults, elder adults and families through didactic and simulation experiences. This course provides an overview of nursing concepts for medical-surgical

nursing. Care of the patient with burns will be discussed. Alterations in nutrition, activity, rest and sleep, altered metabolic function, cognitive changes in the older adult will be discussed. Concepts of oncology nursing are introduced. Emphasis will be placed on developing critical thinking skills and clinical judgement during simulation. Students will participate in acute medical simulation scenarios and demonstrate patient safety, medication administration, therapeutic communication, interprofessional collaboration, evidence-based practice and culturally competent nursing care. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

3200 Medication Calculations

Prerequisites: NUR 2000; NUR 2100. Corequisites: NUR 3000; NUR 3100; NUR 3300.

This course emphasizes critical thinking techniques to calculate dosages of medications accurately and safely. It includes reading, interpreting, and solving calculation problems for various methods of administration to patients across the lifespan. Students are required to apply mathematical principles to the calculation of drug dosages. This includes addition, subtraction, multiplication and division of decimals and fractions. A thorough knowledge of the metric system with emphasis on the conversions is required. Students use dimensional analysis for calculating dosages of oral; powdered and parenteral; pediatric and adult weight-based; and intravenous medications. Clinical application is integrated into the clinical nursing courses. *Credit: 1 semester hour, 1 credit.*

3300 Pharmacology for Nurses

Prerequisites: NUR 2000; NUR 2100. Corequisites: NUR 3000; NUR 3100; NUR 3200. This course focuses on the basic drug classification, concepts, and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy. This course introduces basic pharmacological principles and terminology associated with medication administration, drug nomenclature, sources of drug information, federal legislation, cultural, ethical, legal, and lifespan considerations. Medications of different pharmacologic categories will be introduced and discussed by classification, mechanism of action, side effects, and system for which they are prescribed. The foundation for safe, effective drug therapy and the role of the nurse in health promotion, disease management, prevention, and restoration are integrated throughout the course. Nursing implications relative to the utilization of medication therapy are examined. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

3400 Adult/Elder Nursing II

Prerequisites: NUR 2000; NUR 3000; NUR 3100; NUR 3200; NUR 3300. Corequisites: NUR 3500; NUR 3600. This second medical-surgical course is designed to help students understand the priority and related needs that the nurse will address when providing safe, evidence-based, patient-centered care of adults and older adults with chronic or non-complex illness. A systems

approach is used to discuss the effects of illness on the individual and the family, and to examine the disruption of growth and development patterns across the lifespan from young adults to senior years. Students learn nursing care of the patient with health problems involving cardiovascular, respiratory, hematological, neurological, sensory, gastrointestinal, musculoskeletal, and endocrine systems. The course includes a clinical experience to allow students the opportunity to apply theoretical concepts to clinical practice in diverse adult populations. Emphasis is placed on the use of the nursing process and in developing competence in providing and coordinating adult and older adult nursing care. During simulation students will apply learning related to quality and safety, teaching-learning, therapeutic communication, inter-professional collaboration, and culturally competent nursing care. Clinical rotation 90 contact hours. *Lecture, 3 hours. Credit: 5 semester hours, 5 credits.*

3500 Maternal Child Nursing

Prerequisites: NUR 2000; NUR 3000; NUR 3100; NUR 3200; NUR 3300. Corequisites: NUR 3400; NUR 3600. This course concentrates on the nursing and developmental theories, processes, and desired outcomes related to nursing management of children and childbearing families. Students provide evidence-based nursing care to children, childbearing women and their families in various acute care and community settings. This course focuses on professional nursing role development in clinical judgment, critical thinking, communication, and interventions to facilitate therapeutic outcomes. Common diagnostic techniques and procedures using a family-centered approach to pediatric and obstetric patients are included. Adaptations to childbearing are explained along with those conditions that can complicate pregnancy and delivery. The health and teaching needs of the antepartum, intrapartum, and postpartum patient and newborn will be emphasized. The pediatric portion of the course includes principles of growth and development, physical assessment, safety, play therapy and pain management in children. Emphasis is placed on providing developmentally appropriate care to children and their families. Nursing management for the child with alterations in oxygenation, nutrition/elimination, immunologic function, circulation, neurosensory functions, metabolism, and mobility will be emphasized. An overview of the assessment and management of pediatric emergencies will be introduced. Two clinical rotations, 45 contact hours each. *Lecture, 3 hours. Credit: 5 semester hours, 5 credits.*

3600 Principles of Evidence-Based Practice and Nursing Research

Prerequisites: MTH 1250C. Corequisites: NUR 4300; NUR 4400; NUR 4600. This course addresses the role of research in nursing practice. Students will learn the basic elements of the research process including the importance of dissemination of research findings and models for applying evidence to clinical practice to advance nursing practice. Topics on various research designs including

epidemiological study designs, and pros and cons of different data collection methods will be discussed. In addition, students will learn about the protection of human subjects in the conduct of research, evaluate the credibility of information sources, and systematically retrieve, appraise, and synthesize evidence to improve patient outcomes. Furthermore, basic statistics will be discussed for students to have the appropriate knowledge to interpret and critically appraise published research studies. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

4100 Adult/Elder Nursing III

Prerequisites: NUR 3400; NUR 3500; NUR 3600. Corequisites: NUR 4200. This course presents critical thinking and problem-solving strategies for the care of adults with acute or complex illness and/or injury. It builds on NUR 3100 Adult/Elder Nursing I and NUR 3400 Adult/Elder Nursing II, a systems approach to analyze and intervene in health problems of individuals and their families in acute and critical care settings. Case studies will be used to identify clinical issues and develop critical thinking skills. The course aims to equip students with essential knowledge and skills to perform in the critical care setting, to ensure the delivery of safe, holistic and quality care to patients. Students will apply knowledge of physical and behavioral sciences to discern probable consequences of medical, surgical, and/or nursing interventions related to shock, sepsis, and multiple organ dysfunction syndrome, acute respiratory failure, cardiac failure, problems as well as fluid, electrolytes and acid-base imbalances. Best practice guidelines for end-of-life care will be discussed. The principles of emergency and trauma nursing with an emphasis on triage, resuscitation, teamwork and interprofessional collaboration will be described. The course includes clinical to allow the student the opportunity to integrate theoretical concepts and practice to generate the best possible evidence-based patient-centered care solutions. Clinical rotation 90 contact hours. *Lecture, 2 hours. Credit: 4 semester hours, 4 credits.*

4200 Public Health and Community Nursing

Prerequisites: NUR 3400; NUR 3500; NUR 3600. Corequisites: NUR 4100. This course provides a solid foundation in community, public, and global health nursing concepts; interventions for families, communities, and populations; health promotion; and the multifaceted role of the population-oriented nurse. The focus is on developing competence in assessing the needs of a population, developing and implementing appropriate interventions and evaluating their effectiveness. Tools for community assessment and diagnosis as well as concepts of health promotion, disease prevention, risk reduction and rehabilitation, and evidence-based practice for the health of groups is presented. Community health nursing is a blend of public health science with its roots in epidemiology. Emphasis is placed on "community-as-client" to critically examine a population-focused practice of nursing in a geographic community. Students identify the role of the nurse as a community health leader

in promoting, maintaining, and restoring health. The health and care of diverse individuals, families, and groups in community settings are the focus of the experiential learning. Clinical experiences are designed for students to practice promoting the health and the prevention of disease and disability for clients and aggregates in the community. Clinical rotation 90 contact hours. *Lecture, 3 hours. Credit: 5 semester hours, 5 credits.*

4300 Mental Health Nursing

Prerequisites: NUR 4200; NUR 4100. Corequisites: NUR 4400; NUR 4500; NUR 4600; NUR 4700. This course provides an overview of the significant legal, ethical and professional issues in mental health nursing. Application of the nursing process with emphasis on critical thinking, therapeutic nursing interventions, and effective communication and interpersonal skills as they relate to persons with psychiatric mental health conditions will be emphasized. Students will apply theories and implement evidence-based care for clients with psychiatric/mental health issues, psychosocial concepts; cultural, ethical, and legal influences; and wellness of individuals and family groups. Anxiety and related disorders, personality disorders, mood disorders and disorders of affect, thought disorders, disorders of childhood/adolescence, addictive/self-destructive disorders, and cognitive disorders will be presented. Psychiatric medications categorized by type, disorders treated by each type, action, use and side effects and nursing responsibilities will be discussed. Cultural and spiritual issues in caring for clients with mental health disorders will be discussed. Development of professional role in psychiatric/mental health nursing is outlined. Clinical rotation 45 contact hours. *Lecture, 3 hours. Credit: 4 semester hours, 4 credits.*

4400 Advocacy in a Multicultural Society

Prerequisites: NUR 4100; NUR 4200. Corequisites: NUR 4300; NUR 4500; NUR 4600; NUR 4700. This course examines health policy development and the professional nursing role in advocacy and influencing policy in health care delivery. The course also examines basic knowledge of health care policy, finance, and regulatory environment, including local, state, national, and global health trends. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

4500 Leadership and Management in Nursing

Prerequisites: NUR 4100; NUR 4200. Corequisites: NUR 4300; NUR 4400; NUR 4600; NUR 4700. This course is designed to study the coordinating role of professional nurses within the health care delivery system. Current theories of nursing leadership, management, and change are examined and related to contemporary health care trends and challenges in nursing. The demographic profile of nursing in the United States will be examined. This knowledge is synthesized to develop innovative approaches to quality leadership and planning strategies, health care safety, and education and policy initiatives to promote quality and safety in professional nursing. The course explores issues of responsibility and accountability for practice and continuing personal and professional growth and development. Role responsibilities as well as

licensure application procedures are discussed relative to meeting state licensing requirements for the professional nurse. are trends and challenges in nursing. The demographic profile of nursing in the United States will be examined. This knowledge is synthesized to develop innovative approaches to quality leadership and planning strategies, health care safety, and education and policy initiatives to promote quality and safety in professional nursing. The course explores issues of responsibility and accountability for practice and continuing personal and professional growth and development. Role responsibilities as well as licensure application procedures are discussed relative to meeting state licensing requirements for the professional nurse. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

4600 Senior Clinical Preceptorship

Prerequisites: NUR 4100; NUR 4200. *Corequisites:* NUR 4300; NUR 4400; NUR 4500; NUR 4700. This course is a clinical preceptorship that will include experiences like those students are likely to have as a new graduate nurse. The student will be assigned to an experienced BSN-prepared nurse preceptor in a clinical agency. This course is designed to support the role transformation of students and promote clinical confidence at the BSN preparation level. Emphasis is placed on weekly faculty led seminars dedicated to preparing students for professional practice. Students engage in precepted practice to enhance their physical and psychosocial assessment skills. Students will demonstrate leadership/management skills in the planning, supervision, and coordination of holistic and comprehensive care in the clinical setting. Students integrate principles of advocacy collaboration, communication, delegation, evaluation of interprofessional care to meet the complex needs of patients. Clinical Practicum for 90 contact hours. *Credit: 2 semester hours, 2 credits.*

4700 Transitions and Contemporary Issues

Prerequisites: NUR 4100; NUR 4200. *Corequisites:* NUR 4300; NUR 4400; NUR 4500; NUR 4600. The purpose of this course is to prepare the student for role-transition from student to graduate professional nurse within a contemporary health care environment. Organizational structures and processes of health care as a context for professional nursing practice are discussed. The collaborative role of the professional nurse within the interprofessional framework of legislative, economic, and regulated health care environments are analyzed. There is a focus on critical thinking, role-development and role-transition in ethical decision making, professional accountability, and advocacy. Classes are in seminar format with active student participation expected to promote rigorous intellectual exploration of the connections between oneself, health, and global society essential to development of a professional identity as a nurse. Students will complete an electronic portfolio and reflect on the influence their nursing education had on meeting the graduate outcomes. Students are challenged to reflect on accountability to oneself, their clients/patients, the nursing profession,

and contemporary society, including the ways in which they can be instrumental in improving the health and well-being of others. A review of all major nursing content consistent with the NCLEX-RN test plan. Using prescribed tools to measure nursing knowledge, students assess their strengths and weaknesses. With professor input, students formulate and implement a plan for remediation as needed in each general nursing content area. *Lecture, 3 hours. Credit: 3 semester hours, 3 credits.*

Pharmacy Administration and Public Health Course Offerings (PAH)

Jagannath Muzumdar, Ph.D., Chair

Objectives

The department provides students with knowledge, attitude, and skills from social/behavioral/administrative sciences required for contemporary healthcare practice. The program provides health students with the theoretical knowledge and research skills required to advance pharmacy administration scholarship that is practice focused, patient-centered, and outcomes-oriented. Faculty in the Pharmacy Administration program are committed to academic excellence, scholarship, and service to our community.

Pharmacy and Administrative Sciences (PAS)

The following courses are PAS courses:

2000 Introduction to Healthcare Informatics

This course will introduce the student to key areas in health informatics (HI), the field devoted to the optimal use of data and information to advance individual health, health care delivery and health-related research. Students will learn the history of HI and the role of Electronic Health Record (EHR) in advancing healthcare safety and quality, health data security and other emerging topics in Health Information Technology (HIT). Ongoing governmental efforts to protect individual health information will also be discussed. Upon successful completion of this course, students will gain an understanding of key elements and the application of HI in a variety of healthcare fields, such as HI infrastructure, systems interoperability, knowledge management and decision support systems, technology for communication, and data security.

Credit: 2 semester hours.

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.*

2500 Introduction to Medical Economics

This course serves as an introduction to the role of economics in medicine. It builds on microeconomic and macroeconomic principles of supply and demand and covers topics such as the market for medical care, the market for health insurance, the role of government in health care and health care reforms. The economic principles and concepts in relation to healthcare will be incorporated in the course. *Credit: 3 semester hours.*

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 lucid and thorough overview of marketing in the pharmaceutical industry. It will cover important topics like the environment of the pharmaceutical marketing, the intuitions that comprise the industry, market and market research, secondary data for commercial suppliers, strategic development, and corporate and competitive analysis, at the macro and micro levels.. *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 a managed care setting. The course emphasizes the provision of pharmacy benefit management services and its impact on the inputs, outputs, processes and participants of an ideal drug use system. The major goal of the course is to familiarize students with newer methodologies used to provide high quality pharmacy services while controlling pharmacy costs in a 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 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.*

3501 Statistics for Biomedical Sciences

Prerequisites: Math 1250 and Math 1260. This course will allow the student to develop mastery of theories behind the most frequently used statistical methods in the field of biomedical sciences. Grounded on these theories, the student will develop skills that are necessary in selecting the appropriate statistical test for a given scenario. Student will develop computational abilities using in-vitro and in-vivo data by applying formulae. *Credit: 3 semester hours.*

3502 Behavioral Determinants of Health Care

Prerequisites: PAS3402. This course is designed to introduce the student to social concepts and processes that influence behaviors in healthcare. The course will provide an introductory background to the kinds of social and behavioral theories that guide our understanding of health-related behavior and explore some of the ways in which these theories and approaches may be used in health care practice and research. The course will also provide insights into psychosocial issues in health care and familiarize students with key sociobehavioral factors related to behavior change, community, organizational climate, and family. *Credit: 3 semester hours.*

3503 Introduction to Epidemiology

This course will provide students with a fundamental understanding of the general principles of epidemiologic methods and their application to identify emerging health problems and to improve population health. It will introduce key epidemiologic concepts such as measures of disease frequency, association, bias, confounding, as well as the main epidemiologic study designs. *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 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.*

PAS 4501 Health Care Management

Prerequisites: PAS 3502. This course introduces students to healthcare management in a wide variety of health care settings such as hospitals, nursing homes, clinics, and home health care agencies. Students will examine principles of effective management including cost management, strategic planning and marketing, information technology, organizational design, leadership, teamwork, and human resources. *Credit: 3 semester hours.*

4502 Health Care Marketing

Prerequisites: PAS 3402. To meet the demands of the dynamic health care market, this course is designed to deepen student's knowledge and

skills of health care marketing by addressing how traditional promotional and business techniques are used in this industry. The course involves analysis, evaluation, and implementation of marketing strategies within the health care environment. *Credit: 3 semester hours.*

4503 Fundamentals of Regulatory Affairs

This course will provide students with a fundamental understanding of the general principles of pharmaceutical legislation and regulatory affairs in the pharmaceutical and biotechnology industry. It will introduce the FDA's laws and regulations as they relate to drug discovery and the drug approval process, foundations of GXP, ethical considerations of scientific inquiry and the regulatory scheme involved. *Credit: 3 semester hours.*

5202 Pharmacy Management and Advanced Pharmacoeconomics

Prerequisites: PAS 2201; PAS 3301; PAS 4305.

This course provides the student with a broad information base essential to successful pharmacy management and efficient resource allocation in various professional practice settings. 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.*

Pharmaceutical Sciences Course Offerings (PHS)

Vijaya Korlipara, 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:

PHS 1100 Biomedical Chemistry for Nurses

This course introduces basic concepts in general, organic and biochemistry to provide students with the chemistry background needed for the scope of the nursing practice. Within the general chemistry section, the course provides an overview of methods and measurement, chemical calculations, structure of atoms and molecules, solutions, acid-base chemistry, buffers and redox chemistry. Within the organic chemistry section, the course introduces nomenclature, structure and properties of common functional groups that are part of biologically important organic molecules. Finally, the course provides the basic knowledge on the structure, properties and function of biological molecules, including carbohydrates, lipids, amino acids, proteins and nucleic acids. The course will utilize relevant clinical perspectives to teach the listed topics within the units of instruction. *Lecture, 3 hours. Credit: 3 semester hours.*

PHS1100L Biomedical Chemistry Laboratory for Nurses

Corequisite: PHS1100; This laboratory course reinforces the foundational knowledge acquired in biomedical chemistry (PHS1000). The student performs laboratory experiments and exercises that incorporate measurements and scientific calculations relating to general chemistry

principles, including preparing solutions of different concentrations, determination of the solubility of chemical compounds, acid-base chemistry, and the concept of specific heat related to calorie intake. Instruction in scientific techniques and laboratory skills is provided to reinforce the concepts of chemical reactivity, chemical methods to identify organic functional groups, carbohydrates, lipids and proteins. Laboratory experiments and exercises include activities covering the physical and chemical analyses of biological fluids. The laboratory instructions include a combination of hands-on practical exercises and virtual demonstrations. This laboratory course provides the needed general practical skills for students pursuing a career path in nursing. *Laboratory, 3 hours. Credit: 1 semester hour.*

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.*

2102 Inside-Out Prison Exchange

This class will meet once a week for 3 hours at Rikers Island and will be comprised of equal numbers of Inside (incarcerated) and Outside (university) students not to exceed 24. The pedagogy employs highly interactive, participatory process in which the professor acts as facilitator. Students will be challenged to describe the issue, identify, analyze and communicate the multiple determinants and suggest possible strategies to remedy these issues/crises. *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)

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.*

PHS3103L Human Anatomy & Physiology I LAB

Prerequisites: BIO 2000, BIO 2001L, PHS1100; Human Anatomy & Physiology I lab is the first of a two-course sequence. It is a practical study through laboratory exercises of cell structure and tissue organization, the anatomy and physiology of integumentary, skeletal, muscular, circulatory, lymphatic, respiratory and digestive systems, the interrelationships between the human organ systems, and the regulation of physiological functions involved in maintaining homeostasis. *Laboratory, 3 hours. Credit: 1 semester hour*

3104 Human Anatomy and Physiology Laboratory I (for allied health and toxicology students)

Corequisite: PHS 3103 or PHS 3105. Demonstration and study of major functional systems of the body. *Laboratory, 3 hours. Credit: 1 semester hour.*

3105 Human Anatomy and Physiology II (for allied health and toxicology students)

Prerequisite: PHS 3103. 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.*

PHS3105L Human Anatomy & Physiology II LAB

Prerequisites: PHS3103L; Human Anatomy & Physiology II lab is the second part of a two-course sequence. It is a practical study through laboratory exercises of anatomy and physiology of Nervous, Endocrine, Urinary and Reproductive systems and Embryology. It also includes the interrelationships between the human organ systems and the regulation of physiological functions involved in maintaining homeostasis. *Laboratory, 3 hours. Credit: 1 semester hour*

3151 Calculations in Pharmacy Practice

Corequisites: PHS 3601, 3602. 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: PHS 3601, 3602. 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 Pharmaceuticals 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 Pharmaceuticals 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.*

PHS 3605 Intro to Pharmacogenomics

Prerequisites: Bio 2000, PHS 2201 and PHS 3507. This course will review the principles of molecular biology in terms of the underlying genetic 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 expression and genome function. Upon completion of the course students will possess a working framework in molecular pharmaceutical sciences, genomic scale analysis and pharmacogenomics. Students will be prepared to integrate new molecular technologies and paradigms as they emerge. In addition, this course will introduce students to the role of pharmacogenomics in the pharmacotherapy of various diseases as well as introductory information on the ethical, marketing, economic, legal, and social issues in pharmacogenomics. The course will also stress the use of a range of resources available to health professionals. *Elective Credit: 3 semester hours.*

3951; 3952 Research in Pharmaceutical Sciences I; II

An elective course designed to familiarize the student with opportunities for research (conducting an actual research project under the guidance of a faculty member in the student's chosen area). *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 fourth 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: PHR 5201, and all courses taught through fourth 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: all required fourth 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 fourth 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 fourth 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 fourth 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:

1101 Perspectives in Toxicology

Toxicology is the science that evaluates the safety and hazards of chemical and biological agents for people, animals, and the environment. This course will utilize lectures, active learning exercises and discussions to introduce students to the discipline of toxicology and how it is involved in protecting health and the environment. Students will also explore the sub-disciplines of toxicology and the career paths open to toxicologists. *Lecture, 1 semester hours.*

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.*

2202 Applied Laboratory Mathematics for Toxicology

This self-paced course will give students the mathematical background for the quantitative reasoning and calculation skills needed in the senior toxicology laboratory courses, TOX 4414 (Analytical & Quantitative Toxicology Laboratory) and TOX 4405 (Pharmacotoxicology Laboratory). The emphasis will be on learning by doing rather than lecture format. Student will have access to sequential modules to complete at their own pace. Each module will consist of an instructional preamble followed by a series of problem sets with escalating difficulty. The instructional strategies will encourage the student's discovery of an independent approach to solving problems rather than requiring a particular method. *Credit: 1 semester hours.*

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 2201 or biochemistry

Co-requisites: TOX 4405.

This course provides the foundation to understand the biochemical and physiological basis for actions of pharmaceutical and chemical agents. In Module 1 there will be in-depth consideration of the factors influencing drug and chemical responses and dose-response relationships. Students will learn the ways in which agents act in the body to achieve a pharmacologic response. ADME (absorption, distribution, metabolism, elimination, and toxic) pathways will be described. In Module 2, biological systems affected by chemicals will be considered from the point of view of mechanisms of action, adverse effects and therapeutic applications. Major classes of drugs and chemicals will be examined. Student learning and skills development will be reinforced by interactive workshops after each module. *Lecture, 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.*

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.*

5301 Toxicology and Drugs of Abuse

Prerequisite(s): All required courses in the first three 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.*

Biomedical Sciences (BMS)

The following courses are BMS courses:

1000 Introductory Seminar to Biomedical Science

This is an introductory course taken by students earning a Bachelor's degree in Biomedical Sciences (BMS) in their freshmen year. The goal of this course is to introduce the students to disciplines within Biomedical Sciences and to provide guidance to the students as they progress through the program, when assessing their options upon completion of their degree. From this course students will understand what they are expected to learn during their undergraduate education about their specialization and how to apply that knowledge towards careers in: 1) healthcare providers and allied healthcare professionals, 2) drug development and management, 3) health services management and pharmacy administration, 4) public health, 5) pharmaceuticals and medical devices industry, and 5) medical and biotechnology research. *Credit: 1 semester hour.*

2101 Public Health

This course will introduce students to the field of public health. This will include a description of government and non-governmental agencies and organizations that are part of the public health system. Also the political process leading to laws and regulations impacting the public health will be discussed. The application of public health to control of infectious diseases as well as chronic diseases will be explored. Socioeconomic factors impacting health and the health care system as a public health issue will be considered. The global dimensions of public health issues will be included in class discussions. *Credit: 3 semester hours.*

2200 Biomedical Biochemistry

Prerequisites: Biology 2000 and 3000 (or equivalent); General Chemistry I and II (or equivalent); Organic Chemistry I and II (or equivalent). This course provides information on the chemical features and physicochemical properties of the major classes of biomolecules present in the human body that are needed to understand the contributions of these biomolecules to cellular structure, body functions, intermediary metabolism, bioenergetics, nutrition, membrane composition and functions, solute transport and signaling mechanisms. *Credit: 3 semester hours.*

2201 Biomedical Biochemistry Laboratory

Corequisite: BMS2200. A laboratory course intended to reinforce the theoretical knowledge acquired in the classroom on the major classes of biomolecules through the application of fundamental principles and the performance

of biochemical techniques and methodologies. *Credit: 1 semester hour.*

2300 Fundamentals of Pharmaceutics

Prerequisites: Completion of 2nd year in Biomed Sci Program. The subject of Physical Pharmaceutics deals with physical, chemical and biological principles of development, preparation, preservation and utilization of pharmaceutical dosage forms. Physical Pharmaceutics is a two-semester course. Physical Pharmaceutics – I deals with basic principles involved in the formulation of liquid dosage forms. *Credit: 3 semester hours.*

2301 Fundamentals of Pharmaceutics laboratory

Corequisite: BMS2300. This laboratory course will deal experiments and equipment demonstration of topics covered in Fundamentals of Pharmaceutics. *Credit: 1 semester hour.*

2400 Medical Microbiology

Prerequisite: BIO 2000, BIO 3000 or equivalent. This course will examine the basic biology of microorganisms including bacteria, viruses, fungi and parasites, with a special focus on pathogens. The course will explore the characteristic features of the organisms, mechanisms of infection and pathogenesis. Selected species will be studied to illustrate microbial mechanisms relevant to human disease. *Credit: 3 semester hours.*

2401 Medical Microbiology Lab

Corequisite: BMS 2400 Medical Microbiology. This laboratory course is intended to reinforce the theoretical knowledge acquired in the classroom on the basic biology of microorganisms with a focus on those implicated in human disease. Through active participation in laboratory activities, students will acquire practical skills and knowledge associated with microbiology. The laboratory will incorporate basic techniques including growth and culture of microorganisms, microscopy, including staining techniques, and laboratory testing techniques. Students will be instructed in performing methods of biochemical and genetic identification of selected microorganisms, as well as current methods of determining antibiotic sensitivity for organisms relevant for human disease. *Credit: 1 semester hour.*

2500 Fundamentals of Pharmacology

Pre/corequisites: PHS 3103, 3105, Biology I and II (or equivalent), General Chemistry I and II (or equivalent), Organic Chemistry (or equivalent), Biopharmaceutical chemistry. This course will introduce the student to the major concepts of pharmacology for the Biomedical Sciences. Introduction to the major categories of drugs will be considered from the point of view of biochemical and molecular mechanisms of action, fundamental understanding of Drug-Receptor Theory, Dose-Response analysis, adverse effects, drug-drug interactions and clinical application of drugs. Specific areas covered following general introduction to pharmacology will include autonomic nervous system pharmacology, central nervous system pharmacology, gastrointestinal pharmacology, and the pharmacology of smooth muscle. *Credit: 3 semester hours.*

2501 Fundamentals of Pharmacology Laboratory

Corequisite: BMS 2500. Hands-on laboratory/ exercises using in vivo and in vitro simulation approaches designed to introduce students to common experimental methods in pharmacology. *Credit: 1 semester hour.*

2600 Fundamentals of Medicinal Chemistry

Prerequisites or corequisites: Organic Chemistry I and II, Biomedical Biochemistry. This course focuses on fundamental principles of medicinal chemistry, including an understanding of drug structure-activity relationships, chemical characteristics of drugs and drug targets, prediction of physicochemical properties of drugs (acid-base properties, solubility, drug-receptor/enzyme interactions, basic knowledge of major pathways of drug metabolism and excretion, concept of prodrugs and soft drugs, chemical principles of pharmacokinetic, and pharmacodynamic, overview of drug discovery process and nomenclature of organic medicinal agents. *Credit: 3 semester hours.*

2601 Fundamentals of Medicinal Chemistry Laboratory

Corequisite: BMS2600. The overall goal of this laboratory is to provide hands-on experience with various laboratory techniques that are routinely practiced in medicinal chemistry research laboratories. In order to achieve this goal many skills such as determination of partition coefficient, determination of optical rotation, extraction and measurement of CYP450 protein, in vitro drug metabolism, monitoring reaction progress by chromatography, work-up procedures to separate organic compounds, chromatography of reactants alongside final products, recrystallization/ purification, determination of melting point, qualitative colorimetric tests to judge purity, molecular modeling to build 3D structures and prediction of physicochemical properties have to be developed. These skills will be taught through this well designed laboratory course. *Credit: 1 semester hour.*

2700 Clinical Immunology

This study of the body's defense systems will include structure of the lymphatic system and the specific and non-specific immune responses in humans. The emphasis is on principles of innate and adaptive defenses, antibody – antigen interactions, molecular biology of the immune response, genes controlling antibody synthesis, primary and secondary immune responses. An introduction to immunopathology, diagnostics utilizing immune molecules and immunotherapy will be included. *Credit: 3 semester hours.*

2800 Fundamentals of Pharmacogenomics

Prerequisites: All required 3rd year courses of the BS Biomedical Sciences—Basic Science Track; Corequisite: BMS2801. Students are versed in the scientific foundation of pharmacogenomics. Concepts from the principles of molecular biology in terms of the underlying genetic mechanisms that drive cellular function, the central dogma and functional concepts of molecular pharmaceutical science are reviewed and tied into the larger context of the genetic

basis for disease and drug action, alteration of drug metabolism. Upon completion of the course students will possess a working framework of molecular pharmaceutical sciences, genomic scale analysis, pharmacogenomics, genotyping and the use of genome wide markers including single nucleotide polymorphisms. Students will be prepared to integrate new molecular technologies and paradigms as they emerge. The course stresses the use all resources available to health care professionals including online datasets and current research literature. *Credit: 3 semester hours.*

2801 Fundamentals of Pharmacogenomics Laboratory

Corequisite: BMS2800. The overall goal of this laboratory course is to assess how the presence of genetic markers and the expression of these gene products can alter response to pharmaceutical drugs. In order to achieve this goal many genetic, microscopy, molecular biology and human cell culture laboratory skills have to be developed. These skills collectively include bioinformatics and sequencing, karyotyping and intracellular staining, cloning and transfection to altered DNA content in cultured cell, nucleotide isolation and PCR, drug metabolism in cultured cells and cellular toxicity to drug delivery. *Credit: 1 semester hour.*

Department of Health Professions

Corinne I. Alois, *Assistant Professor Industry Professional*, B.S., St. John's University; M.S., Pace University.

Sandra Beysolow, *Associate Professor Industry Professional*, B.S., Long Island University; M.S.Ed., Capella University; Ph.D., Capella University.

Jennifer G. Chiu, *Associate Professor Industry Professional*, B.S., Binghamton; M.B.A., St. Joseph's College; Ed.D., Dowling College.

Yon Choi-Gomes, *Assistant Professor Industry Professional*, BS, St. John's University, MA, University of Arizona

Robina Colclough-Davy, *Assistant Professor Industry Professional*, B.S., York College; M.S., Long Island University.

Pamela Gregory-Fernandez, *Associate Professor Industry Professional*, B.S., St. John's University, M.S., A.T. Still University.

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Louise Lee, *Associate Professor Industry Professional*, B.S., Stony Brook, M.H.A. St. Joseph's College, Ed.D., Northcentral University.

Zaidalynet Morales, *Associate Professor Industry Professional*, B.S. Lehman College M.S., St. Joseph's College.

Mary Jo Perry, *Associate Professor Industry Professional*, A.S., Northeastern University; B.S., Adelphi University; M.S., Long Island University, C.W. Post College.

Daniel Podd, *Associate Professor Industry Professional*, B.S., St. John's University; M.S., University of Nebraska Medical Center.

Alyssa Quinlan, *Associate Professor Industry Professional*, B.S. Marist College, M.S. Pace University.

Stacey Singer-Leshinsky, *Associate Professor Industry Professional*; B.S., Brooklyn College, M.S.Ed., Capella University.

Gregory Torsiello, *Assistant Professor Industry Professional*, B.S. St. John's University, M.S. Concordia College of New York.

Kathryn Vavrica, *Assistant Professor Industry Professional*, BS, New York City College of Technology, MS, Central Michigan University

Department of Nursing

Regina Cardaci, *Associate Professor Industry Professional*, PhD, CUNY Graduate Center, Certified Nurse Midwife, SUNY Downstate, M.S. in Nursing. Adelphi University, B.S. in Nursing, Adelphi University

Richard Castellino, *Assistant Professor Industry Professional*, M.S. in Nursing, Primary Care Nurse Practitioner, St. Joseph's College, B.S. in Nursing, Gwynedd Mercy University

Eileen Engelke, *Associate Professor Industry Professional*, Ed.D, Teachers College, Columbia University, M.A., Teachers College, Columbia University, B.S in Nursing, Adelphi University

Margaret Hickey, *Assistant Professor Industry Professional*, M.S. in Nursing, Walden University, B.S. in Nursing, Molloy University

Francine Laterza, *Associate Professor Industry Professional*, Ed.D, Western Connecticut State University, M.S. in Nursing/Pediatric Nurse Practitioner, Hunter College, B.S. in Nursing, St. Joseph's College

Nancy Spear Owen, *Assistant Professor Industrial Professor*, Ed.D, Teachers College, Columbia University, M.A., Pace University, B.S. in Nursing, University of Rhode Island

Department of Pharmacy Practice

Ebtessam Ahmed, *Clinical Professor*; Pharm.D., St. John's University.

Vibhuti Arya, *Clinical Professor*, Pharm.D., St. John's University.

Carmela Avena-Woods, *Associate 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.

Jennifer Bhuiyan-Qadeer, *Assistant Professor Industry Professionals*, Pharm.D., St. John's University; MPH, Johns Hopkins University.

Nicole Bradley, *Assistant Clinical Professor*, Pharm.D., Massachusetts College of Pharmacy and Health Sciences.

Joseph M. Brocovich, *Associate Clinical Professor*, B.S. Phm., Philadelphia College of Pharmacy and Science; Pharm.D., Duquesne University.

Tina Caliendo, *Assistant Professor Industry Professionals*, B.S. Phm., St. John's University; Pharm.D., University of Florida.

Manouchkathe Cassagnol, *Clinical Professor*, Pharm.D., Florida Agricultural and Mechanical University.

John Conry, *Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Gladys M. El-Chaar, *Clinical Professor*, B.A., East Stroudsburg University; B.S. Phm., St. John's University; Pharm.D., Medical University of South Carolina.

Joseph V. Etzel, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Danielle C. Ezzo, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Laura M. Gianni, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

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Olga Hilas, *Professor Industry Professional*, B.S. Phm., Pharm.D., St. John's University.

Kathleen Horan, *Assistant Clinical Professor*, PharmD, St. John's University

Mary Ann Howland, *Clinical Professor*, B.S., Wake Forest University; B.S. Phm., Rutgers University; Pharm.D., Philadelphia College of Pharmacy and Science.

Gregory J. Hughes, *Associate Clinical Professor*, Pharm.D., St. John's University.

Samantha Jellinek-Cohen, *Associate Clinical Professor*, Pharm.D., Long Island University.

Tina Kanmaz, *Clinical Professor*, B.A., Hofstra University, B.S. Phm., Pharm.D., St. John's University.

Sum Lam, *Clinical Professor*, B.S. Phm., Pharm.D., University of Connecticut.

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Michele Pisano, *Associate Professor Industry Professional*, Pharm.D., St. John's University.

Gerard Quinn, *Assistant Clinical Professor*, PharmD, St. John's University

Maha Saad, *Associate Clinical Professor*, B.S., Rosary School Mansourieh, Lebanon; B.S., Phm., Pharm.D., Lebanese American University.

Sharon See, *Clinical Professor*, B.S. Phm., Pharm.D., Rutgers University.

Hira Shafeeq, *Associate Professor Industry Professional*, Pharm.D., St. John's University.

Sarah Smith, *Associate Professor Industry Professional*, Pharm.D., University of Kentucky.

Damary Torres, *Associate Clinical Professor*, B.S., Phm., Pharm.D., St. John's University.

Department of Pharmacy Administration and Public Health

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Sen Anna Gu, *Associate Professor*, M.A., M.S., Ph.D., University of Maryland, M.D. Tongji Medical University, China.

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Department of Pharmaceutical Sciences

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Senshang Lin, *Professor*, B.S. Phm., Taipei Medical College; Ph.D., Temple University.

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Shanzhi Wang, *Associate Professor*, B.S., Jilin University, P.R. China; Ph.D. Texas A&M University. Development of new therapeutics through protein characterization and engineering.

John N.D. Wurlpel, *Associate Professor*, B.S., Belmont Abbey College; M.S., Fairleigh Dickinson University; Ph.D., Pennsylvania State University.

Sabesan Yoganathan, *Associate Professor*, B.Sc. McMaster University, Canada; Ph.D. University of Alberta, Canada.

Please visit the following webpage for a complete list of our faculty, including current part-time faculty.

www.stjohns.edu/academics/undergraduate/pharmacy/faculty



The Lesley H. and William L. Collins College of Professional Studies

Luca Iandoli, *Dean, and Lesley H. and William L. Collins Distinguished Chair, Associate Professor of Computer Science, B.S., M.S.E., Ph.D.*

Craig Baron, *Associate Dean of Academic Affairs and Associate Professor of Theology, B.A., M.A., Ph.D.*

Robert Barone, *Associate Dean of Strategic Planning and Special Projects, B.S., M.S. M.B.A., P.D.*

Andrew A. Bhola, *Associate Dean/Director of Advising, B.S., M.B.A.*

Gail M. Chiarovano, *Associate Dean, B.A., M.A.*

Max Hergenrother, *Associate Dean of Academic Technology & Pedagogic Innovation and Director of the SJU Design Factory, B.F.A., M.F.A.*

Geraldine Castelli, *Assistant Dean, B.S., M.S*

Rev. Michael J. Cummins, *C.M., Assistant Dean, Director of Internal Research and Enrollment Management, C.M., M.Div., Th.M.*

Diana Morgan, *Assistant Dean/Director of Senior Related Services, B.S., M.B.A., P.D.*

Randolph D.J. Ortiz, *Assistant Dean, Military Science Liason, B.A., M.A.L .S., Ed.D.*

Theresa Peros, *Assistant Dean, B.S., M.B.A.*

Maria Rappa, *Assistant Dean and Associate Director of Marketing and Outreach, B.S., M.B.A.*

Christine Munch, *Marketing and Communication Specialist, B.S.*

Richard Martinez, *Senior Broadcast Engineer, B.S., M.S.*

Ann Margrett V. Rodriguez, *Director of Fiscal & Administrative Affairs, B.S.*

Carolyn Rutigliano, *Associate Production Manager, CCPS Labs: Television and Film Center, B.S.*

Dennis Vernaleo, *Technology Coordinator, CCPS Labs: Television and Film Center, B.S.*

Programs of Study

The Lesley H. and William L. Collins 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. Undergraduate students may choose a four-year [baccalaureate] degree, a two-year [associate] degree, or a concentrated certificate course of study. The College also offers dual degree and pathway fast track programs.

Objectives

The Lesley H. and William L. Collins College of Professional Studies enjoys a unique combination of multidisciplinary design and innovation paired with a focus to educate every student that we welcome to our university. "We Educate the Next VIPs" that is the Vincentian Innovators and Professionals. Through both classroom learning and career experience, CCPS students apply professional competencies with the ethical, moral, and humanistic foundation that is the strength of our University. Like St. Vincent DePaul, CCPS

students become social innovators within their professions who contribute their compassion, human dignity and sense of social justice to all they accomplish.

CCPS has a strong tradition of student-centered education. Our mission to focus on students is achieved through our college objectives and academic priorities:

- To build learner-centered environments with full support services such as to encourage student success.
- To coordinate integrated advisement and career support that assists students in identifying the training path that best fits their interest, inclinations and job demands
- To expand research and combined degree opportunities with research, internships and other experiential learning opportunities
- To provide hands-on learning opportunities that inspire creativity and innovation through lab activities, classroom discussion and internship experiences
- To embed technology across disciplines and within centers of excellence that focus on the intersections between innovation, security, computing and communication.
- To incorporate liberal arts and science innovations that transform students into effective communicators, compassionate leaders and innovative problem solvers.
- To build global, professional experiences through internship opportunities and international programming.
- To provide a variety of degree programs, including associate, baccalaureate and graduate degrees and certificate programs responsive to market needs and the employment sector.

Student Support

The Lesley H. and William L. Collins 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 Lesley H. and William L. Collins College of Professional Studies, the instructional

Television, Film, and Radio Center, digital video editing lab 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

Bachelor of Science

Majors Available:

Administrative Studies
Advertising Communication
Creative/Production Track
Account Management/Media Track
Communication Arts
Computer Science
Criminal Justice
Forensic Psychology Option
Cyber Security Systems
Enterprise Regulations: Profit and Nonprofit
Fashion Studies
Game Development and Emerging Media
Health and Human Services
Healthcare Concentration
Human Services Concentration
Healthcare Informatics
Business Option
Homeland Security
Hospitality Management
Information Technology
Journalism
Legal Studies
Networking Systems
Business Option
Photojournalism
Public Relations
Sport Management
Business Option
Coaching Option
Television and Film

Minors Available:

(Students may also choose minor areas offered through other undergraduate units.)
Advertising
American Military History
Applied Data Mining
Business Administration
Business Law
Business Technology
Communication Arts
Computer Science
Correctional Counseling
Court Administration
Criminal Justice
Criminalistics
Cyber Security Systems
Digital Forensics
Digital Media Design
Dramatic Arts
Entrepreneurship
Equity and Inclusion
Event Management
Fashion Industry Sustainability

Fashion Studies
 Film Studies
 Fire and Arson Investigation
 Food Service Management
 Forensic Psychology
 Forensics
 Fraud Examination and Economic Crime
 Game Development and Emerging Media
 Healthcare Informatics
 Health Service Administration
 Homeland Security
 Hospitality Management
 Hotel Management
 Human Service Administration
 Information Technology
 International Communications
 International Criminal Justice
 International Studies
 Journalism
 Legal Studies
 Lodging Management
 Mathematics (CUS, CYB, HCI, NET majors)
 Media Graphics
 Military Leadership
 Multicultural and Ethnic Studies
 Networking Systems
 Photojournalism
 Pop Culture
 Public Relations
 Sport Management
 Television Studies
 Tourism Management
 Video Game Development

**Some of the minors may require completion of additional credits beyond the minimum necessary for the degree. For additional information, please contact the CCPS Dean's office.*

Bachelor of Arts

Liberal Studies

Associate in Arts

Liberal Arts

Associate in Science

Business Administration
 Cyber Security Systems
 Criminal Justice
 Legal Studies
 Networking Systems
 Television and Film Studies

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: No financial assistance is available for certificate programs.

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.

Computer Science—requires the successful completion of 18 credits including CUS 1115, 1116, 1126, 1156, and six credits from CUS 1162, 1163, 1165, 1166.

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.

Cyber Security Systems—requires the successful completion of 18 credits including CUS 1115, 1116; NET 1001; CSS 1005, 1011, 1012.

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.

Homeland 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.

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.

Legal Studies—requires the successful completion of 18 credits including LES 1100, 1101, 1102, 1004, 1015, and any 3 credits from the Legal Speciality Elective courses listed in the LES major area requirement section. Students must have successfully completed 60 undergraduate credits to be accepted to the LES Certificate Program. Approved by the American Bar Association. Paralegals may not provide legal services directly to the public, except as permitted by law

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.

Admissions

Prospective students seeking admission to a certificate program must meet the regular entrance requirements for The Lesley H. and

William L. Collins 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.

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 Lesley H. and William L. Collins 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.

Dual Degree Programs

B.S./M.A. Communication Arts/
Sociology

B.S./M.A. Communication Arts/
Government and Politics

B.S./M.A. Communication Arts/
International Communications

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 Systems/

Business Administration

B.S./M.P.S. Criminal Justice/ Criminal Justice Leadership

B.S./M.S. Communication Arts/ International Communication

B.S./M.S. Computer Science/Data Mining and Predictive Analytics

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. Information Technology and Library Information Systems

B.S./M.S. Networking Systems/ Accounting

CCPS Pathway Programs

Pathways exist between the following undergraduate and graduate programs:

B.S. Advertising Communication/ M.S. Integrated Advertising Communications

B.S. Communication Arts–Media Management / M.S. Integrated Advertising Communications

B.S. Computer Science/ M.S. Computer Science

B.S. Cyber Security Systems / M.S. Cyber & Information Security

B.S. Health and Human Services–Healthcare / M.S. Healthcare Systems

B.S. Health and Human Services–Human Services / M.S. Healthcare Systems

B.S. Homeland Security / M.P.S. Homeland Security and Criminal Justice Leadership

B.S. Hospitality Management / M.S. International Hospitality Management

B.S. Journalism / M.S. International Communication

B.S. Legal Studies / M.P.S. Homeland Security and Criminal Justice Leadership

B.S. Legal Studies / M.S. International Communication

B.S. Public Relations / M.S. Integrated Advertising Communications

B.S. Public Relations / M.S. International Communications

B.S. Sport Management / M.P.S. Sport Management

Dual degree and pathway 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 120 credits for the bachelor's degree in four years. By completing 120 credits in the first four years, including 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 at least 60 credits including 12 credits in their major areas and have achieved the qualifying cumulative and major area GPAs. Transfer students may apply at the time of enrollment. For additional information, please visit www.stjohns.edu/ccpsfasttrack and contact The Lesley H. and William L. Collins 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 up to 27 credits earned in the first year of law school as the final 27 credits of his or her bachelor's program. These credits may only be applied to a bachelor's program in the manner specified by the University. Students may apply after the successful completion of 60 academic credits.

Applicants to this program must have at least a 3.5 cumulative quality point index at the time of completing their 60 academic credits. If accepted into the program by The Lesley H. and William L. Collins 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.

CCPS Undergraduate Digital Badges

Overview

CCPS offers several graduate digital badges and one undergraduate digital badge. Digital badges are online credentials you can display on a variety of platforms, including LinkedIn, Twitter, Facebook, and on your résumé or curriculum vita (CV). They demonstrate your skill and knowledge in the designated area and give you a professional edge in a competitive global market.

For more information and full listing of requirements, please visit <https://www.stjohns.edu/academics/schools/college-professional-studies/about-lesley-h-and-william-l-collins-college-professional-studies/digital-badges>.

Undergraduate Level Badges:

Corrections
Criminal Investigation
Cybercrime
Data Science
Digital Forensics
Equity and Inclusion
Fashion Design
Fashion Entrepreneurship
Fashion Ethics & Sustainability
Fashion Management
Fashion Marketing
Forensics
General Fashion Studies
General Hospitality
Healthcare Informatics
Hospitality Event Management
Hospitality Law
Hospitality Lodging
Legal Studies
Managing Inclusivity at Work
Police Leadership
Secure Coding
Social Entrepreneurship
Sport Business
Sport Coaching
Sport Communication
Sport E-Technology
Sport Industry
Sport Law
Sport Name, Image, Likeness (NIL)
Sport Technology
Student Specialization ENT Badge (Specialized Entrepreneurship)

Evening 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 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 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 120 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. 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. The Lesley H. and William L. Collins 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 The Lesley H. and William L. Collins 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 at the College office.

Advanced Placement/CLEP

The Lesley H. and William L. Collins 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 and

universities is stipulated in the Admissions section of this bulletin. Students accepted by The Lesley H. and William L. Collins College of Professional Studies will receive an evaluation of their transfer record listing the courses applicable to their requested program of study.

Basis for Awarding Credit from American Institutions

The Lesley H. and William L. Collins College of Professional Studies does not differentiate between course modes when evaluating transfer credit.

To be considered for possible credit, coursework should:

- Be offered through an accredited institution listed on U.S. Department of Education Database of Accredited Postsecondary Institutions and Programs (<http://ope.ed.gov/accreditation/>)
- Contain subject matter that is compatible to subject matter offered through St. John's University
- Be completed successfully with a grade of C or better (or equivalent) without an associate's degree from the outside institution or a grade of D or better with an A.A., A.S. or A.O.S. conferred by the outside institution
- Be applicable to the requested degree of study at St. John's University

Basis for Awarding Credit from Foreign Institutions

For credit from foreign institutions, students are requested to provide a World Education Service (WES) evaluation or a National Association of Credential Evaluation Services (NACES) evaluation before transfer credits will be awarded.

Maximum Amount of Transfer Credit Applied

Below are the maximum credit totals for transfer credits applied to the programs offered through The Lesley H. and William L. Collins College of Professional Studies:

- For Associate Degrees: CCPS will apply up to 30 transfer credits to A.A. and A.S. degrees.
- For Bachelor's Degrees: CCPS will apply up to 90 transfer credits to B.A. and B.S. degrees. Of these 90 credits, a maximum of 72 credits can be from a two-year institution (community college, junior college, etc.)

Course Waivers for Transfer Students:

The Lesley H. and William L. Collins College of Professional Studies will honor the following course waivers for transfer students. Please note: these are not credit waivers. Students must fulfill all credit requirements by completing general electives in place of the waived courses.

- For students who have not completed an associate's degree at an outside institution, DNY 1000C (Discover New York) will be waived. Transfer students must complete 3

additional credits in general electives to fulfill the required amount of credits for this course.

- For students who have completed an A.A., A.S. or A.O.S. degree at an outside institution, the following four courses will be waived:

- o DNY 1000C (Discover New York)
- o PHI 3000C (Metaphysics)
- o PHI 1020 series elective (Ethics elective)
- o THE 1040 series elective (Moral elective)

Transfer students with associate's degrees must complete 12 additional credits in general electives to fulfill the required amount of credits for these courses.

Internal

The general University policy for students requesting transfer from other colleges within the University is stipulated in the Office of the Registrar 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 CCPS student.

Internship Program

Credit-bearing internships are available to selected students enrolled in most of the Bachelor of Science degree programs of The Lesley H. and William L. Collins 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 generally do not get paid except for a small stipend. 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 The Lesley H. and William L. Collins College of Professional Studies programs include the following:

Category 5

Category 5 is a student-led, fully functioning, advertising agency. Membership provides students with real-world, hands-on, experience while servicing Academic Service clients such as New York City Blood Drive, Habitat for Humanity, American Cancer Society, American Red Cross, the St. John's The Lesley H. and William L. Collins College of Professional Studies and the St. John's Women's Basketball team. All St. John's students are invited to join Advertising and PR majors as members of Category 5.

St. John's University Television Club (WRED-TV)

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 of Film and Visual Arts

The Communication Arts Film Society is a co-curricular unit of The Lesley H. and William L. Collins 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 Communication.

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 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.

The Legal Apprentice

A legal publication that gives St. John's undergraduate students the chance to publish their legal research. Articles are selected for publication through a blind review process by faculty editors.

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.

St. John's University Mock Trial Team

Since the mid 1990s, the team has made the National tournament over 20 times, and has finished as high as second place in that tournament.

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 Lesley H. and William L. Collins 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 Lesley H. and William L. Collins College of Professional Studies. The applicant must have achieved the qualifying GPA in all college work.

Alpha Phi Sigma—Alpha Epsilon Rho Chapter—Criminal Justice Honor Society

The Lesley H. and William L. Collins 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 24 credits.

Lambda Epsilon Chi—National Legal Studies Honor Society

The Lesley H. and William L. Collins College of Professional Studies chapter was established to recognize academic excellence in legal studies. Legal studies students enrolled in the A.S., B.S. or certificate programs and students who minor in legal studies are eligible to apply for the society if they achieve an overall grade point index of at least 3.25 and a major GPA of at least 3.50 after completion of one half 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 Lesley H. and William L. Collins College of Professional Studies graduating class majoring in criminal justice or legal studies who has demonstrated character, scholarship, and a strong work ethic.

The Communication Arts Award, recognizing academic excellence and ethical communication, is presented to a student who not only exhibits a commitment to academic excellence but also pursues ethical means of communication grounded on the examination of truth, love, and respect in relation to others.

The Craig Collins Award, named in honor of the former Director of Criminal Justice, recognizes a criminal justice major who has attained an exemplary grade point index and has demonstrated excellence in the field of criminal justice.

The Francis Flynn Award for Excellence in Mathematics, named in honor of a former faculty member, recognizes a graduating student in an undergraduate degree program offered by the Division of Computer Science, Mathematics and Science 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 a student in the health service program who has demonstrated academic excellence.

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 Outstanding Journalism Graduate Award, recognizes a graduating journalism major who has contributed to the journalism profession both inside and outside the classroom and has achieved an exemplary grade point index.

P. Kevin Castel Award, is presented to the student most likely to succeed in the study of law.

The Panayiotis Papdopoulos Award, sponsored by Dr. Louis Gesualdi, recognizes a graduating senior who has demonstrated extraordinary humanitarian qualities.

The Vincentian Spirit Award, recognizes outstanding contributions of CCPS 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 Lesley H. and William L. Collins 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.

The Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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), Hindi, 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 The Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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.

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 on 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. Credits earned through a grade of "pass" (P) can be applied to the student's degree.

This option pass/fail option, which does not affect the student's GPA, is towards the degree is available to CCPS students who:

- Are enrolled in baccalaureate or associate's program
- Have achieved sophomore status (at least 25 credits currently completed)
- Have achieved a minimum SJU GPA of 2.0

Pass/fail is not an option for current or future major/minor area requirements (including ancillary courses). Pass/fail is limited to one course per semester (including summer), not to exceed:

- Six courses for the baccalaureate degree.
 - Two courses for the associate's degree.
- (Any pass/fail courses approved in the AA/AS program will count towards the six-course P/F limit in the BA/BS program.)*

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 Students are encouraged to discuss the pass/fail option with their dean before submitting their request through UIS. Once approved the pass/fail request may not be rescinded.

Make-up Examinations

The Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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. 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 120 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

The Lesley H. and William L. Collins 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 CCPS 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 CCPS Dean's office.

University Core Requirements

Note: All courses are three credits unless otherwise noted.

University Core requirements for ALL CCPS bachelor's degree programs (39 credits)

ENG 1100 Literature in a Global Society
FYS 1000* First year Seminar
FYW 1000 English Composition
HIS 1000 Emergence in a Global Society
PHI 1000 Philosophy of the Human Person
PHI 3000** Metaphysics
SCI 1000 Scientific Inquiry
SPE 1000 Public Speaking for College Students
THE 1000 Perspectives in Christianity
Mathematical, Logic, Quantitative,
Computational Reasoning:
3 credits chosen from BUA 1333, MTH 1100, PHI 3400, PSY 2030 (& lab), or SPM 4993

Social Justice

3 credits chosen from ANT 1000, CRES 1000, ECO 1320, ENG 1077, ENG 2100, ENG 3750, HIS 1505, HIS 2313, HIS 3160, HIS 3375, HIS 3711, HIS 3712, ITA 3904, PHI 3740, RCT 1010, RCT 1155, SOC 1170, SPA 3917, SPM 1552, THE 3240

Ethics

3 credits chosen from PHI 1020, PHI 1024, PHI 2200C, THE 1040/2300, THE 1042/THE 3300, THE 1043/3350, THE 2320, THE 3310, THE 3350, THE 3360

Sacred Texts chosen from**

3 credits chosen from THE 1030/2200, 1050/2810, 1060/2860, 1070, 1071, 2110, 2120, 2205, 2210, 2401, 2501, 2502, 2820, 2850, 3000, 3245, 3255, 3400, 3920

Exceptions

- Students majoring in the computer science option will apply a lab science in place of SCI 1000
- Students majoring in computer science, cyber security systems, healthcare informatics, information technology and networking systems will complete higher-level math sequence in place of math/logic/quantitative/computational reasoning requirement.

Note for all CCPS programs:

*External transfer students and non-conditionally admitted LST students are not required to complete FYS 1000. Students should see the CCPS Dean's office to determine an alternate course to meet this credit requirement.

**External transfer students who have earned an associate degree outside of SJU are not required to take PHI 3000 and the Sacred Text elective. Students should see the CCPS Dean's office to determine alternative courses to meet these credit requirements.

B.A. Liberal Studies

(120 Credit Hours)

(Day and Evening)

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.

University Core Requirements: 39 credits

Major Area Requirements:

45–48 credits that include:

- **Humanities:** choose 15 credits from non-University core English, philosophy, and theology courses.
- **Social Science:** choose 15 credits from non-University core anthropology, economics, history, political science, psychology, sociology courses (in addition to three 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 CCPS Dean's office to determine a course to meet this requirement).

College Core/ Additional Liberal Arts and

Science Requirements: 9 credits that include 3 credits social science elective and 6 credits in ART 1000/LAC 1000 or in one modern foreign language..

General Electives: 27–36 credits selected under the guidance of an advisor.

B.S. Administrative Studies

(120 Credit Hours)

(Day and Evening)

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.

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Human Relations Area:** 18 credits that include PSY 1019, SOC 1021, SOC 1003 or HSC 1065, SOC 1004 or SOC 1002 and 6 credits chosen from ADS 2000, BLW 1005, BLW 1015, ECO 1002, HIS

1006, HIS 1037, HMT 1010, HSA 1005, LES 1020, MGT 1005, MGT 1014, MGT 1021, MGT 1024, MGT 1026, MGT 1027, MGT 1050, PRL 2100, PSY 1017, PSY 1025

- **Technology & Quantitative Reasoning Areas:**

15 credits chose from: COM 1001, COM 1002, COM 2401, COM 2600, COM 3294, CRJ 3006, CSS1001, CSS 1005, CUS 1102, CUS 1110, DFR 1001, DMD 1001, DMD 2100, HCI 1001, HMT 1075, HSA 1004, HSC 1060, HSC 1100, IT 1011, MTH 1007, MTH 1009, MTH 1021, NET 1001, NET 1011, SPM 1035

- **Major Elective Area:** 3 credits chosen from the remaining elective in human relations or technology/quantitative reasoning or through internship.

Business Area Requirements: 12 credits chosen from any business elective.

College Core/ Additional Liberal Arts and Science

Requirements: 18 credits that Include ECO 1001 or ECO1002, ENG 1006, a three-credit English Literature elective, and six credits in social science electives and 6 credits in liberal arts or science electives..

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Advertising Communication

(120 Credit Hours)

(Day)

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 creative production or account management-media.

Internship Program

For information on internships in advertising communication, see "Internship Program" under B.S. Communications.

Requirements for Creative/ Production Track

University Core Requirements: 39 credits

Major Area Requirements:

54 credits that include:

- **Required Courses:** 12 credits in COM 1001, COM 1002, DMD 1001, COM 2500.
- **Advertising Sequence Courses:** 30 credits in MKT 1001, ADV 2100, ADV 2400, ADV 2301, ADV 3200, ADV 3301, ADV 3400, ADV 3500, ADV 4600, TVF 1200.

Creative Production Track: 12 credits chosen from ADV 3401, ADV 4305, ADV 4306, ADV 4402, ADV 4601, ADV 5001, ADV 5002, COM 2401, COM 3294, ENT 1000, PHO 2100, PRL 2100, TVF 2204, TVF 3206, VGD 1002.

College Core/ Additional Liberal Arts

and Science Requirements: 12 credits that include three-credit English Literature elective and 3 credits in social science electives and 6 credits in liberal arts or science electives.

General Electives: 15–24 credits selected under the guidance of an advisor.

Requirements for the Account Management/Media Track:

University Core Requirements: 39 credits

Major Area Requirements: 48 credits that include:

- **Required Courses:** 12 credits in COM 1001, COM 1002, COM 2401, COM 2403.
- **Advertising Sequence Courses:** 27 credits in MKT 1001, ADV 2100, ADV 2400, ADV 3300, ADV 3400, ADV 3401, ADV 3403, ADV 4500, ADV 4402.
- **Account Management-Media Track:** 9 credits chosen from ADV 3200, ADV 3301, ADV 4305, ADV 4306, ADV 4601, ADV 5001, ADV 5002, ADV 5003 CUS 1110, ENG 1006, ENT 1000, PRL 2100, SPE 1010, TVF 1200.

Business Area Requirements: 12 credits from any business course in ACC, BLW, ECO, MGT.

College Core/ Additional Liberal Arts and Science Requirements: 9 credits that include 3 credits in social science electives and 6 credits in liberal arts or science electives.

Free electives: 12–21 credits selected under the guidance of an advisor.

B.S. Communication Arts

(120 Credit Hours)

(Day)

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.

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 six 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.

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 Lesley H. and William L. Collins 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.

University Core Requirements: 39 credits

Major Area Requirements: 36 credits that include

- **Required courses:** 9 credits in COM 1001, 1002, 2401.
- **Series courses:** 12 credits that include:
 - 3 credits from global communication chosen from COM 3101, 3102, 3103, 3110.
 - 3 credits from production chosen from: COM 2290, JOU 2201, JOU 2204, TVF 1200, TVF 1230.
 - 3 credits from writing chosen from: ADV 2301, JOU 2300, PRL 2301, TVF 2301, TVF 2302, TVF 2303.
 - 3 credits from industry practices chosen from ADV 2100, COM 2402, COM 2403, COM 2404, JOU 1000, JOU 1400, PRL 2100, TVF 1400.
- **Elective courses:** 15 credits chosen from any ADV, COM, PHO, PRL, TVF, VGD. (A maximum of 9 credit can be chosen from English literature, DRM, JOU, RCT or SPE).

Business Area Requirements: 18 credits including: 9 credits in COM 2403, COM 2404 and MGT 1001 and 9 credits chosen from ACC 1007, ACC 1008, ADV 2100, ADV 3400, BLW 1001, BLW 1005, COM 2402, ECO 1001, ECO 1002, ENG 1006, JOU 1400, JOU 3303, MGT 1003, MKT 1001, PRL 2100, TVF 3404.

College Core/ Additional Liberal Arts and Science Requirements: 9 credits that include 3 credits in social science electives and 6 credits in liberal arts or science electives.

General Electives: 18–27 credits selected under the guidance of an advisor.

B.S. Computer Science

(120 Credit Hours)

(Day)

The BS program in Computer Science is accredited by the Accreditation Board for Engineering and Technology (ABET), a recognized U.S. accreditor of college and university programs in applied and natural science, computing, engineering and engineering technology. For more information on ABET, visit <https://www.abet.org/>.

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.

Grade Requirements: A minimum grade of C on CUS 1116 and CUS 1126 courses, is required for students to be allowed to continue in the computer science major (including computer science option programs).

University Core Requirements: 33 credits

Major Area Requirements: 45 credits that include

- **Required Courses:** 36 credits in CUS 1115, 1116, 1126, 1151, 1156, 1162, 1163, 1165, 1166, 1168, 1185, NET 1011.
- **Elective Courses:** 9 credits that include:
 - 3 credits from CUS 1186, 1187, 1188.
 - 6 credits chosen from any course above CUS 1126.

Additional Liberal Arts Requirements:

- 15 credits in MTH 1009, 1010, 1013, 1014, 1022.
- 6 credits from MTH 1011, 1012, 1015, 1016, 1017, 1018, 1019.
- 3 credits in ECO 1001 or 1002
- 8-10 credits from: BIO 1000, 1001L, BIO 2000, 2001L, CHE 1210, 1211L, 1212R, CHE 1220, 1221L, 1222R, PHY 1610, 1611L, 1611R, PHY 1620, 1621L, 1622R.

General Electives: 8–10 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 Lesley H. and William L. Collins 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. Criminal Justice

(120 Credit Hours)

(Day and Evening)

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 Lesley H. and William L. Collins College of Professional Studies. The internship is a supervised off-campus experience arranged by the Director of Criminal Justice to provide practical experience in various fields of criminal justice. The following guidelines assist the student applying for internship consideration:

- a) Must be in junior or senior year
- b) Completed majority of courses in Criminal Justice major
- c) Cumulative index of 2.5 or higher in all course work
- d) Students may not carry internship coursework as part of an excess credit load.
- e) Student interns receive no salary; receive course credit
- f) Permission of the Director for Internship consideration

For those students enrolled in a criminal justice minor, an internship for three credits may be selected with the above provisions.

Police/Correction Academy Credits

Students who have successfully completed training courses at the New York City Police, Correction, or at the Nassau County or New York State Police academies may be entitled to receive credit toward the B.S. degree 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.

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that including:

- Required Courses: 15 credits from CRJ 2000, 2001, 2002, 2003, 2004.
- CRJ Elective Courses: Choose 21 credits from any CRJ elective.

Business Area Requirements: 9 credits chosen in any business area.

College Core/ Additional Liberal Arts and Science Requirements

24 credits that include PSY 1001, SOC 1001, a three-credit social science elective chosen from HIS 1017, PSC 1001, PSY 1007, PSY 1017, PSY 1019, SOC, 1026, SOC 1028, a 3-credit English literature elective and 3 credits in math electives and 6 credits in liberal arts or science electives.

General Electives: 15–24 credits selected under the guidance of an advisor.

B.S. Criminal Justice (Forensic Psychology Option)

(120 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.

University Core Requirements: 39 credits

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, 3008, 3102, 3105, 3108, 4102 and nine credits in any CRJ elective.

Business Area Requirements: 6 credits chosen from any business courses.

College Core/ Additional Liberal Arts and Science Requirements: 24 credits that include a three-credit English literature elective 3 credit math

elective., 6 credits in liberal arts or science electives, PSC 1001, PSY 1001, SOC 1001 and six credits chosen from PSY 1007, PSY 1010, PSY 1017, PSY 1019.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Cyber Security Systems

(120 Credit Hours)

(Day and Evening)

The BS program in Cyber Security Systems is accredited by the Accreditation Board for Engineering and Technology (ABET), a recognized U.S. accreditor of college and university programs in applied and natural science, computing, engineering and engineering technology. For more information on ABET, visit <https://www.abet.org/>.

St. John's University has been designated by the National Security Agency (NSA) as a National Center of Academic Excellence (NCAE) in Cybersecurity Defense (CD) through academic year 2027. The Cybersecurity center is the central point of multidisciplinary research, education, training, and practice in the field of Cybersecurity. This university-wide center has been created with the vision to promote collaboration and interaction with other students, faculty, and programs within St. John's University and the Cybersecurity community as a whole. For more information, visit <https://cybersecurity.stjohns.edu>.

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.

University Core Requirements: 36 credits

Major Area Requirements: 45 credits that include:

CUS 1115, CUS 1116, CUS 1126, CUS 1185, CSS 1005, CSS 1006, CSS 1011, CSS 1032, CSS 1035, DFR 1001, IT 1175 NET 1011, NET 1015

College Core/ Additional Liberal Arts and Science Requirements: 24 credits that Include ECO 1001,

ECO 1002, MTH 1009, MTH 1013, MTH 1014, MTH 1022 and 6 credits in liberal arts or science electives.

General Electives: 15–24 credits selected under the guidance of an advisor.

B.S. Enterprise Regulation: Profit and Non-profit

(120 Credit Hours)

(Day and Evening)

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 1260-credit interdisciplinary curriculum allows 18 credits of non-business electives and integrates the following areas of study:

University Core Requirements: 39 credits

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, CSS 1021, CUS 1175, FAS 1055, HCS 1002, HMT 1007, HSA 1011, HSA 1038, JOU 1402, NET 1051, REM 1013, SPM 1010.

Business Requirements:

15 credits that include:

- **Required Courses:** 6 credits from ACC 1007, ACC 1008.
- **Elective Courses:** 3 credits chosen from: MKT 1001 or MGT 1001.

College Core/ Additional Liberal Arts and Science

Requirements: 21 credits that include ECO 1001, ECO 1002, ENG 1006, 3 credits chosen from PSC 1001, PSY 1001, SOC 1004, SOC1031, 3 credits in liberal arts or science electives and 6 credits chosen from either ART 1000/LAC 1000 or in one modern foreign language

General Electives: 15–24 credits selected under the guidance of an advisor.

B.S. Fashion Studies

(120 Credit Hours)

Fashion generates billions of dollars in business worldwide. The Bachelor of Science (B.S.) in Fashion Studies degree program, offered through The Lesley H. and William L. Collins College of Professional Studies at St. John's University, provides a comprehensive, in-depth, and global approach to studying the business aspects of the fashion industry. The core curriculum consists of courses in various areas of fashion business, ethics, and sustainability. Foundational knowledge and skills in fashion studies are supported by courses in liberal arts and sciences and business administration. Although the program's emphasis is not on fashion design, an overview is offered through an introduction to design course. This is helpful for students who are considering further study on the graduate level in this area. In keeping with St. John's University's Catholic and Vincentian mission, students examine fashion industry practices and develop ideas for improvements in sustainable practices, human resources, and

more. This ethical emphasis makes the University's Fashion Studies program unique.

Internship Program

Fashion internships may be completed in New York or at one of the University's global campuses or locations in Rome, Paris, and Limerick. Courses examine fashion industry operations in Rome, Italy; Paris, France; and Limerick, Ireland and in newly emerging centers of fashion around the world.

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 18 credits from FAS 1055, 1056, 1065, 1070, 1075, 1076
- **Elective Courses:** 18 credits from FAS 1015, 1016, 1079, 1080, 1081, 1082, 1090, 1091, 1092, 1095.

Business Requirements:

18 credits that include:

- **Required Courses:** 12 credits in ACC 1007, BLW 1001, MGT 1001, MKT 1001
- **Elective Courses:** 6 credits from BLW 1005, BLW 1015, MGT 1003, MGT 1006, MGT 1021, MKT 1003, MKT 1020.

College Core/ Additional Liberal Arts and Science

Requirements: 18 credits that include ECO 1001, ECO 1002, 6 credits in one modern foreign language and 3 credits in liberal arts or science electives

General Electives: 9-12 credits selected under the guidance of an advisor.

B.S. Game Design and Emerging Media

(120 Credit Hours)

(Day)

The bachelor of science degree with a major in Game Development and Emerging Media aims to prepare students to enter the video game development field, a billion-dollar industry rich with robust career opportunities in edutainment, simulation, and visualization. The Collins College of Professional Studies currently offers a minor area of specialization in Video Game Development. At the University's co-curricular e-sport events, hundreds of students attend and participate. There is a palpable and thriving demand among students of St. John's University to push the boundaries of storytelling genres, craft unique interactive experiences, and engage audiences through play. Students actively ask for a comprehensive production degree program in Game Development and Emerging Media so that they can graduate as nimble, inventive media-makers and future thought leaders in media augmented by novel technologies.

University Core Requirements: 39 credits

Major Area Requirements:

44 credits that include:

• **Required Courses:** 21 credits in: COM 1001, COM 2500, CUS 1100, VGD 1001, VGD 1002

• **Series Electives:** 6 credits chosen from:

- **Writing:** Choose 3 credits from VGD 2300 or VGD 3301
- **Art:** Choose 3 credits from TVF 2207 or ART 1135

Major Area Electives: Choose 24 credits from: ART 1105, ART 1115, ART 2125, DMD 1001, CUS 1115, CUS 1116, CUS 1126, CUS 1179, TVF 2211, TVF 2230, TVF 3207, TVF 3211 or any VGD elective.

Business Area Requirements: 6 credits including: 3 credits chosen from VGD 2401 or SPM 1038 and 3 credits chosen from ADV 2100, BLW 1001, ECO 1001, MGT 1001, MKT 1001

College Core/ Additional Liberal Arts and

Science Requirements: 18 credits that include 3 credits in social science electives, and 15 credits in liberal arts/science electives

General Electives: 12–21 credits under the guidance of an advisor.

B.S. Health and Human Services

(120 Credit Hours)

(Day)

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 the Lesley H. and William L. Collins 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 120-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:

University Core Requirements: 39 credits

Major Area Requirements:

39 credits that include:

- **Required Courses:** 18 credits from: HHS 3000, HSA 1002, HSA 1100, HSC 1100, HSC 1102, HSC 1020.
- **Health Concentration:** 21 credits that include HSA 1003, 1004, 1011, 1012, 1020, 1040 and 3 credits HSA 1023, 1024, 1025, 1035, 1042, 1200.

Professional Area Requirements: 9 credits that include ACC 1007, MGT 1001 and a three-credit business elective.

College Core/ Additional Liberal Arts and Science Requirements:

21 credits that include ENG 1006, 3 credits in any math elective, 3 credits in any sociology elective, 6 credits chosen from PSC 1001, ECO 1001 PSY 1001, SOC 1001 or any HIS elective, and 6 credits in liberal arts or science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

Requirements for the Human Services Concentration:

University Core Requirements: 39 credits

Major Area Requirements:
39 credits that include:

- **Required Courses:** 18 credits from: HHS 3000, HSA 1002, HSA 1100, HSC 1100, HSC 1102, HSC 1020.
- **Human Services Concentration:** 24 credits that include HSC 1030, 1071, 1072, 1073, 1074 and 6 credits from HSC 1081, 1082, 1083, 1084, 1085.

Professional Area Requirements:

12 credits that include MGT 1001 and 6 credits chosen from HSC 1049, HSC 1060, HSC 1065, HSA 1035, HSA 1040, HSA 1042, HSA1100.

College Core/ Additional Liberal Arts

Requirements: 21 credits that include ENG 1006, PSY 1001 3 credits chosen from MTH 1003 or MTH 1021, 3 credits chosen from PSY 1017, SOC 1001 or SOC 1026 and 6 credits in liberal arts or science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Healthcare Informatics

(120 Credit Hours)

(Day)

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.

University Core Requirements: 36 credits

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 CSS 1008.

Specialized Area Requirements

18 semester hours of courses in health services administration: HSA 1002, 1003; 1012; 1042; 1100; 1101.

College Core/ Additional Liberal Arts Requirements:

24 credits that include *BIO 1050 or BIO 1060, ECO 1001, ECO 1002, MTH 1004, MTH 1008, MTH 1009, MTH 1013, MTH 1014.

General Electives: 6–15 credits selected under the guidance of an advisor.

Internship Program

See details under B.S. Computer Science.

B.S. Healthcare Informatics (Business Option)

University Core Requirements: 36 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 33 credits from CUS 1115, CUS 1116, CUS 1126, CUS 1167, CUS 1179, HCI 1001, HCI 1002, HCI 1015, HCI 1021, HSA 1100, HSA 1101.
- **HCI Elective Courses:** Choose three 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.

College Core/ Additional Liberal Arts Requirements:

24 credits that include: BIO 1050 or BIO 1060, ECO 1001, ECO 1002, MTH 1008, MTH 1009, MTH 1013, MTH 1014.

General Electives: 6–15 credits selected under the guidance of an advisor.

Internship Program: See details under B.S. Computer Science.

B.S. Homeland Security

(120 Credit Hours)

(Day and Evening)

The curriculum in homeland 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.

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 18 credits from HLS 1001, 1003, 1004, 1008, 1010, 1016.
- **Major Area Elective Courses:** Choose 18 credits from HLS 1002, 1005, 1006, 1007, 1009, 1011, 1012, 1013, 1014, 1015, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1090, 1100.

Computer Science Business Area Requirements:

12 credits that include

CUS 1102 and 9 credits from any business courses.

College Core/ Additional Liberal Arts Requirements:

21 credits that include PSY 1001, SOC 1001, SOC 1002, 3 credits in math chosen from MTH 1003 or MTH 1021, a 3 credit English literature elective and 6 credits in liberal arts and science electives.

General Electives: 12–21 credits selected under the guidance of an advisor

B.S. Homeland Security (Emergency Management Track)

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 21 credits from HLS 1001, 1003, 1004, 1008, 1010, 1016, 1100.
- **Intelligence Required Courses:** 9 credits from HLS 1020, 1021, 1024.
- **Major Area Elective Courses:** Choose 6 credits from any HLS course.

Computer Science and Business Area:

12 credits that include CUS 1102 and nine credits from any business courses.

College Core/ Additional Liberal Arts Requirements:

21 credits that include PSY 1001, SOC 1001, SOC 1002, 3 credits in math chosen from MTH 1003 or MTH 1021, a 3 credit English literature elective and 6 credits in liberal arts and science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Homeland Security (Intelligence Track)

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 21 credits from HLS 1001, 1003, 1004, 1008, 1010, 1016, 1100.
- **Intelligence Courses:** nine credits from HLS 1011, 1018, 1019.
- **Major Area Elective Courses:** Choose six credits from any HLS course.

Computer Science and Business Area:

12 credits that include CUS 1102 and nine credits from any business courses.

College Core/ Additional Liberal Arts Requirements:

21 credits that include PSY 1001, SOC 1001, SOC 1002, 3 credits in math chosen from MTH 1003 or MTH 1021, a 3 credit English literature elective and 6 credits in liberal arts and science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Homeland Security (National Security Track)

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 21 credits from HLS 1001, 1003, 1004, 1008, 1010, 1016, 1100.
- **National Security Required Courses:** nine credits from HLS 1025, 1026, 1027.
- **Major Area Elective Courses:** Choose six credits from any HLS course.

Computer Science and Business Area:

12 credits that include CUS 1102 and nine credits from any business courses.

College Core/ Additional Liberal Arts Requirements:

21 credits that include PSY 1001, SOC 1001, SOC 1002, 3 credits in math chosen from MTH 1003 or MTH 1021, a 3 credit English literature elective and 6 credits in liberal arts and science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Homeland Security (Organizational Security Track)

University Core Requirements: 39 credits

Major Area Requirements:

36 credits that include:

- **Required Courses:** 21 credits from HLS 1001, 1003, 1004, 1008, 1010, 1016, 1100.
- **National Security Required Courses:** nine credits from HLS 1002, 1006, 1007.
- **Major Area Elective Courses:** Choose six credits from any HLS course.

Computer Science and Business Area:

12 credits that include CUS 1102 and nine credits from any business courses.

College Core/ Additional Liberal Arts Requirements:

21 credits that include PSY 1001, SOC 1001, SOC 1002, 3 credits in math chosen from MTH 1003 or MTH 1021, a 3 credit English literature elective and 6 credits in liberal arts and science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Hospitality Management

(120 Credit Hours)

(Day)

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.

University Core Requirements: 39 credits

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.

College Core/ Additional Liberal Arts and Science Requirements:

21 credits including ECO 1001, ECO 1002, ENG 1006, 3 credits chosen from PSY 1001 or SOC 1001, 6 credits chosen from ART 1000/LAC 1000 or one modern foreign language, 3 credits in any liberal arts or science elective.

General Electives: 12–21 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

(120 Credit Hours)

(Day)

The BS program in Information Technology is accredited by the Accreditation Board for Engineering and Technology (ABET), a recognized U.S. accreditor of college and university programs in applied and natural science, computing, engineering and engineering technology. For more information on ABET, visit <https://www.abet.org/>.

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.

University Core Requirements: 36 credits

Major Area Requirements: 45 credits that include:

- **Required Courses:** 30 credits in: CUS 1110, CUS 1115, CUS 1116, CUS 1150, CUS 1167, CUS 1172, CSE 3200, CSS, 1005, IT 1011, IT 1141, IT 1166, IT 1175, NET 1011.
- **Major Area Elective Courses:** 6 credits chosen from: CUS 1126, CUS 1179, CUS 1194, CSS 1006, HCI 1002.

College Core/ Additional Liberal Arts and Science Requirements:

18 credits in ECO 1001, ECO 1002, MTH 1022, MTH 1009, MTH 1013, MTH 1014. and 6 credits in liberal arts or science electives.

General Electives: 15–24 credits in free electives chosen under the guidance of an advisor.

Internship Program

See details under B.S. Computer Science.

B.S. Journalism

(120 Credit Hours)

(Day)

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).

University Core Requirements: 39 credits

Major Area Requirements

42 credits that include:

- **Required courses:** 21 credits from COM 1001, COM 1002, COM 2500, JOU 1000, 1402, 2300, 2307, 2312, 3300.
- **Specialized Track:** Complete six credits by choosing one of the following tracks:
PRINT TRACK: JOU 2300 and JOU 2301
BROADCAST TRACK: JOU 2312 and JOU 3312.
- **Elective Courses:** Choose 12 credits from any JOU course under the guidance of an advisor. Internships (JOU 5000 series courses) require director's approval.

Business Requirements: Choose six credits from MGT 1001 or ENT 1000.

College Core/ Additional Liberal Arts

Requirements: 18 credits that include HIS 1017, a 6-credit English literature elective, a 6-credit social science elective and 6 credits in liberal arts or science electives..

General Electives: 15-24 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

(120 Credit Hours)

(Day and Evening)

The Legal Studies Program prepares students to work in law-related fields by teaching the skills that young professionals will need to adapt to the ever-changing demands of the legal profession and the work force generally, including, critical thinking, research, writing, oral communication, and information literacy.

Students in the Legal Studies Program have obtained internships in, and graduates of the Legal Studies Program have obtained employment in, federal and state courts, governmental agencies, prosecutors' offices, legal clinics, non-profit organizations, and private law firms. Graduates also have been accepted to major accredited law schools throughout the country.

Candidates are required to complete 120 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.

The Legal Studies Program is an American Bar Association-approved Paralegal Studies Program, and the Program is a member of the American Association for Paralegal Education. Paralegals may not provide legal services directly to the public, except as permitted by law.

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.

University Core Requirements: 39 credits

Major Area Requirements: 30 credits that include:

- **Required courses:** 15 credits in: LES 1100, LES 1101, LES 1102, LES 1004, LES 1015.
- **Legal Specialty Requirements:** 9 credits in Legal Specialty electives: LES 1003, 1007, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1020, 1021, 1024, 1040 or 1106.
- **Law Related Electives:** 6 credits from any elective in LES, BLW, CRJ, HLS, ACC, MGT, ENT, FIN, CUS, IT, NET, CSS, DFR, HCI.
- **Professional Area Requirements:** 9 additional credits chosen from any elective in LES, BLW, CRJ, HLS, ACC, MGT, ENT, FIN, CUS, IT, NET, CSS, DFR, HCI.
- **College Core/ Additional Liberal Arts Requirements:** 21 credits that include PSY 1001 or SOC 1001; and 18 credits from ECO, ENG, GOV, HIS, PHI, PSC, PSY, SOC, SPE, THE, BIO, CHE, MTH, PHY, ARA, CHI, FRE, GER, HIN, ITA, JPN, KOR, RUS, SPA.
- **General Electives:** 21–30 credits selected under the guidance of an advisor.

B.S. Networking Systems

(120 Credit Hours)

(Day)

The curriculum in networking systems 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.

University Core Requirements: 36 credits

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.
- **College Core/ 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 1018 and three credits in any science elective.
- **General Electives:** 21–30 credits selected under the guidance of an advisor.

B.S. Networking Systems (Business Option Program)

(120 Credit Hours)

The curriculum in networking systems 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.

University Core Requirements: 36 credits

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.
- **Computer Science Elective:** Choose three credits from CUS 1176, or IT 1175.
- **Networking Electives:** choose 12 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.
- **College Core/ 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 and 3 credits in liberal arts or science electives.
- **General Electives:** 6–15 credits selected under the guidance of an advisor.

Internship Program

See details under B.S. Computer Science.

B.S. Public Relations

(120 Credit Hours)

(Day)

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.

University Core Requirements: 39 credits

Major Area Requirements

36 credits that include:

- **Required courses:** 30 credits from
COM 1001, COM 1002, PRL 2100, PRL 2301, PRL 3400, PRL 4600, PRL 4601, COM 2401, COM 2404, COM 2600, ADV 2100.
- **Production courses:** 3 credits from
COM 2290 or PRL 3420 or DMD 2100.

- **Major elective:** 3 credits chosen from
COM 2403, COM 4600, COM 4601,
JOU 1000, MTH 1021, PRL 3401, PRL 5001, PRL 5002, PRL 5003.

Professional Elective courses: nine credits chosen from COM 3101 or 3102, CRJ 2000, HMT 1000, HSA 1100, HSC 1020, LES 1100, SPM 1003, 1018.

Business Requirements: nine credits from
BLW 1001, MGT 1001, MKT 1001.

College Core/ Additional Liberal Arts

Requirements:

9 credits that include 3 credits in social science and 6 credits in liberal arts and science electives.

General Electives: 15–24 credits selected under the guidance of an advisor.

B.S. Sport Management

(120 Credit Hours)

(Day)

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. Additionally, a student exchange program exists with the University of Leicester and Leeds Beckett University, in England, in Sport Management which can include an internship with professional soccer, rugby and basketball clubs.

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 50 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 Board

To ensure the continued effectiveness of the sport management program board, St. John's benefits from an advisory board comprised of recognized leaders in various areas of the industry. The board members provide valuable guidance to ensure that the sport management curriculum conforms to the current needs of the industry.

Steve Cohen, *Vice President*, Brooklyn Cyclones
Summer Comstock (Alumna) *Associate General Counsel*, Arizona Diamondbacks

Derek Cradle, *Principal*, High School of Sport Management

Robert Dranoff, Ed.D. ('78 SVC), *Commissioner*, East Coast Conference

Ken Fiore ('90 SVC), *Vice President of Player Personnel*, National Football League

Chidozie Ibeabuchi (Alumnus) *Senior Director of Player Engagement*, Major League Soccer

Joyce Jelks, *Head of People and Culture at Wieden and Kennedy*, NYC

Lenny Kaplan ('88 SVC), *Associate Vice President and Director of Athletics*, New Jersey Institute of Technology

Megan (Murphy) McMurray (Alumna) *Associate*

Producer, ESPN

Kathleen Meehan ('75 ED), *Senior Deputy Athletics Director/Senior Women's Administrator*, St. John's University

Michael Minnella ('14 CCPS), *Director of Business Development*, National Football League

Matt Mirchin ('82) *Consultant (Self-Employed)*; Former President of North America, Under Armour

Eddie Motl ('04 CCPS), *Director*, FOX Sport Communication

Jonathan Servil ('05 CCPS, '11 MPS), *Senior Manager*, Client Services, Wasserman

Mike Verna ('02 CCPS), *Vice President*, Account Activation, Marketing Partnerships, Madison Square Garden

Nadia Zaman (Alumna) Apple TV Sports Marketing

University Core Requirements: 39 credits

Major Area Requirements

36 credits that include:

- **Required courses:** 27 credits in SPM 1001, 1003, 1004, 2001, 2003, 2005, 3001, 3003, SPM 4001.
- **SPM electives:** 6 credits chosen from any SPM elective except SPM 3999
- **Internship requirement:** 3 credits chosen from SPM internship.

Business Requirements: 12 credits from ACC 1007, BLW 1001, 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).

College Core/ Additional Liberal Arts and Science Requirements: 21 credits that include ECO 1001, ECO 1002 and 15 credits in liberal arts and science electives.

General Electives: 12–21 credits selected under the guidance of an advisor.

B.S. Sport Management (Business Option)

University Core Requirements: 39 credits

Major Area Requirements

36 credits that include:

- **Required courses:** 27 credits in SPM 1001, 1003, 1004, 2001, 2003, 2005, 3001, 3003, SPM 4001.
- **SPM electives:** 6 credits from any SPM elective except SPM 3999.
- **Internship requirement:** 3 credits in SPM internship.

Business Area Requirements: 18 credits from ACC 1007, ACC 1008, BLW 1001, MGT 1001, MGT 1003, MKT 1001 (These courses are equivalent to those required for a business minor).

College Core/ Additional Liberal Arts and Science Requirements: 21 credits that include ECO 1001, ECO 1002 and 15 credits in liberal arts and science electives.

General Electives: 6–15 credits selected under the guidance of an advisor.

B.S. Sport Management (Coaching Option)

University Core Requirements: 39 credits

Major Area Requirements

39 credits that include:

- **Required courses:** 27 credits in SPM 1001, 1003, 1004, 2001, 2003, 2005, 3001, 3003, 4001.
- **Coaching courses:** 9 credits in SPM 3991, 3992, 3993.
- **Practicum requirement:** 3 credits in SPM 5101.

Business Area Requirements: 18 credits from ACC 1007, BLW 1001, ECO 1001, ECO 1002, MGT 1001, MKT 1001.

College Core/ Additional Liberal Arts

Requirements:

21 credits that include ECO 1001, ECO 1002 and 15 credits in liberal arts or science electives..

General Electives: 9–18 credits selected under the guidance of an advisor.

B.S. Television and Film Studies (TVF)

(120 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, television, and digital media. This background prepares the student for the Senior Project and for possible internships. Students can participate in WRED-TV, the co-curricular television club 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.

University Core Requirements: 39 credits

Major Area Requirements

57 credits that include:

- **Required courses:** 21 credits in COM 1001, COM 2500, TVF 1200, TVF 1230, TVF 2205, TVF 4601, TVF 4602.
- **Communication Arts Elective:** 3 credits from any COM course
- **Production Electives:** 6 credits that include 3 credits chosen from TVF 2201, TVF 2203, TVF 2204 and 3 credits chosen from TVF 3203, 3204, 3205, 3206.
- **Writing Series Electives:** 6 credits chosen from COM 2303, DRM 3300, JOU 2312, TVF 2301, 2302, 2303, 3303. 3 credits from any COM course
- **Cinema Studies Series Electives:** 6 credits chosen from any TVF 1500 elective.
- **Major Area Electives:** 15 credits chosen from TVF 1400, 2200, 2201, 2202, 2203, 2204, 2207, 2210, 2211, 2230, 2402, 2403, 2510, 3200, 3203, 3204, 3205, 3206, 3207, 3208, 3208, 3211, 3220, 3404, 3405, 4200, 4205, 4230, 4701, 4702, 4703, 4707, 5002, 5003, DRM 1200.

College Core/ Additional Liberal Arts

Requirements:

9 credits that include 3 credits in social science elective and 6 credits in liberal arts or science electives.

General Electives: 15–24 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 Lesley H. and William L. Collins 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 Lesley H. and William L. Collins 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 Associate Degree. In conjunction with The Lesley H. and William L. Collins College of Professional Studies, students who successfully graduate from AADA, are awarded 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 Lesley H. and William L. Collins 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. 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.

University Core requirements for all CCPS associate degree programs (24 credits)
All courses are 3 credits.

ENG 1100	Literature in a Global Society
FYS 1000*	First year Seminar
FYW 1000	English Composition
HIS 1000	Emergence in a Global Society
PHI 1000	Philosophy of the Human Person
PHI 3000	Metaphysics
SCI 1000	Scientific Inquiry
THE 1000	Perspectives in Christianity

External transfer students are not required to complete FYS 1000.. Students should see the CCPS Dean's office to determine an alternate course to meet this credit requirement.

Associate in Arts Degree

A.A. Liberal Arts

(60 Credit Hours)
(Day and Evening)

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.

University Core Requirements: 24 credits
Liberal Arts and Science Area:

24 credits that include: SPE 1000, 3 credits in social science, 3 credits chosen from ART 1000, LAC 1000 or any modern foreign language 3 credits chosen from MTH 1100, PHI 3400 SPM 4553, or PSY 2030 & lab, 3 credits in Sacred Text and 9 credits in liberal arts or science electives
General Electives: 12–15 credits selected under the guidance of an advisor.

Associate in Science Degree

A.S. Business (Non-Accounting)

(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 and elective courses in the liberal arts and sciences, managerial accounting and business administration.

University Core Requirements: 24 credits
Major Area Requirements
24 credits that include:

- **Required Courses:** 21 credits in ACC 1007, 1008, BLW 1001, CUS 1102, ECO 1001, ECO 1002, MGT 1001.
- **Business Elective:** 3 credits chosen from BLW 1005, BLW 1030, ECO 1320, ENG 1006, MGT 1003, MKT 1001.

College Core/ Additional Liberal Arts Requirements:
6 credits in mathematics chosen with advisor assistance.

General Electives: 6-9 credits selected under the guidance of an advisor..

A.S. Criminal Justice

(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 the major area. Graduates of the New York City Police Department may be awarded credit for field training.

University Core Requirements: 24 credits
Major Area Requirements:
18 credits that include:

- **Required Courses:** 15 credits in CRJ 2000, 2001, 2002, 2003, 2004.
- **Elective Course:** 3 credits chosen from any CRJ elective.

College Core/ Additional Liberal Arts Requirements: 9 credits from PSY 1001, SOC 1001, and 3 credits chosen from MTH 1100, PHI 3400, SPM 4553 or PSY 2030 & lab.

General Electives: 9–12 credits selected under the guidance of an advisor.

A.S. Cyber Security Systems

(60 Credit Hours)
(Day)

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.

University Core Requirements: 24 credits
Major Area Requirements:
18 credits in:
CUS 1115, 1116, CSS 1005, 1011, DFR 1001; NET 1011.

Business Area Requirements:
6 credits from:
ACC 1007, ACC 1008.

College Core/ Additional Liberal Arts Requirements: 6 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: 6–9 credits selected under the guidance of an advisor.

A.S. Information Technology

(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.

University Core Requirements: 24 credits
Major Area Requirements:
18 credits that include:

- **Required Courses:** 15 credits in CUS 1102, 1110, 1115, 1116, NET 1011.
- **Elective Course:** 3 credits chosen from CUS 1126, 1167, 1172, IT 1175.

Business Area Requirements: 6 credits from ACC 1007, ACC 1008.

College Core/ 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: 6–6 credits selected under the guidance of an advisor.

A.S. Legal Studies

ABA Approved
(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 the major area. The curriculum includes required courses in the liberal arts and sciences and the major area and elective courses. ABA Approved. Paralegals may not provide legal services to the public except as permitted by law.

University Core Requirements: 24 credits
Major Area Requirements:
21 credits that include:

- **Required Courses:** 15 credits in LES 1100, 1101, 1102, 1004, 1015
- **Legal Studies Electives:** 6 credits from the Legal Specialty Elective Area: LES 1003, 1007, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1020, 1021, 1024, 1040, and 1106

Business Area Requirements: 3 credits from ACC 1007 or MGT 1001.

College Core/ Additional Liberal Arts Requirements:
6 credits including 3 credits chosen from MTH 1100, PHI 3400, SPM 4553, PSY 2030 & Lab and 3 credits chosen from PSY 1001 or SOC 1001.

General Electives: 6–9 credits selected under the guidance of an advisor.

A.S. Networking Systems (Queens) (60 Credit Hours)

(Day)

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.

University Core Requirements: 24 credits

Major Area Requirements: 18 credits in 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.

College Core/ Additional Liberal Arts

Requirements: 6 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

(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.

University Core Requirements: 24 credits

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 2205, TVF 3203, 3204, 3205, 3206, 3220.

• **Major Elective courses:** Choose 6 credits from TVF 1400, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 2301, 2302, 2303, 2402, 2403, 3303, 3404, 3405, COM 2303, 2403, 2500, 3101, 3102.

College Core/ Additional Liberal Arts

Requirements: 6 credits including SPE 1000 and 3 credits chosen from MTH 1100, PHI 3400, SPM 4553, PSY 2030 & Lab.

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 Lesley H. and William L. Collins College of Professional Studies Faculty Council:

- Minors are available only to students enrolled in baccalaureate programs.
- Students may choose from any of the undergraduate units of the University any available minor program that is clearly differentiated from their major area of concentration.
- New freshmen may declare a minor after the completion of two semesters of college. Transfer students may declare a minor after the completion of one semester at St. John's University.
- Students must have the written permission of the Dean.
- Only one three-credit course may be used for both a major and minor provided that the minor sequence has at least 18 credits. For minors with fewer than 18 credits, no overlap is possible.
- The Pass-Fail option is not available in the fulfillment of minor requirements.
- The successful completion of a minor (with a minimum index of 2.0) is noted on the student's transcript.
- Transfer credit for minor courses can be applied but may not make up more than 50 percent of the total credit.

Advertising

18 credits including MKT 1001, ADV 2100, ADV 3400, ADV 3500, ADV 4402 and 3 credits from ADV 2301, ADV 3200, or ADV 3401.

American Military History

21 credits including HIS 1000C, HIS 1018, HIS 1026, HIS 1041, 1042, 1043 and 3 credits chosen from HIS 1003, 1004, 1017.

Applied Data Mining

18 credits including MTH 1013, 1014, CUS 1119, CUS 1165, CUS 1179 plus 3 credits from MTH 1009 or MTH 1022.

Business Administration

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, 1025, 1030, 1040, 1050 or 6 credits from above and 3 credits from: CRJ 3112, COM 2404, FAS 1055, JOU 1402, HLS 1002, HMT 1007, HSA 1011, HSA 1038, NET 1051, SPM 1010. No overlap between major and minor.

Business Technology

21 credits including: CUS 1110, CUS 1115, IT 1011 plus 3 credits from MGT 1000 or MGT 1001, 3 credits from ACC 1007 or ACC 2000 and 6

credits chosen from CUS 1103, CSS 1001, HCI 1001, NET 1001.

Communication Arts

18 credit hours including COM 1001 and 15 credits chosen from offerings in communication arts, advertising, journalism, public relations and television and film, chosen under the guidance of an advisor.

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 from 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 nine additional credits in digital forensics or CSS 1008.

Digital Media Design

15 credit hours including DMD 1001, 2100 3100, PHO 2100 and 3 credits from ADV 3200, COM 3282. COM 3283 no overlap between major or minor.

Dramatic Arts

18 credits including DRM 1200, 2200, (2236 or 2237), 3200, 3300, 4600 (Audition required).

Entrepreneurship

18 credits including 6 credits in ENT 1000, ENT 1001 6 credits chosen from ENT 1002, ENT 1003 (MGT 1026), ACC 1007, BLW 1001, MKT 1001, ECO 1001 and 6 chosen from any ENT elective.

Equity and Inclusion:

18 credits including 6 credits in HSC 1102, PSY 1019 and 12 credits chosen from COM 3101, COM, 3102, COM 3103, CRJ 3002, CRJ 3003, CRJ 3005,

ENG 1077, ENG, 1079, ENG 1080, ENG, 1081, FAS 1096, HHS 3100, HIS 1018, HIS 1024 HMT 1040, HSC 1074, LAC 1000, LES 1012, MGT 1077, MGT 2002, MGT 2003, SPM 1003, SPM 1552, SPM 4551, TVF 1511, THE 1050, THE 1056, THE 1060

Event Management

18 credits 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).

Fashion Studies

15 credits chosen from: FAS 1006 (MKT 1006) FAS 1015, (MKT 1015), FAS 1055 (BLW 1055), FAS 1056, FAS 1065 (ECO 1065), FAS 1070, (MGT 1070), FAS 1075 (MGT 1075), FAS 1078, FAS 1080 (MGT 1080), [MGT 1000 or MGT 1001], FAS 1083, 1084. No overlap between major or minor.

Film Studies

15 credits including TVF 1200 and 1400 plus 9 credits from the following (at least nine credits must be taken from CCPS courses): TVF 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 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 nine 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.

Fraud Examination and Economic Crime

18 credits from ACC 1007, ACC 1008, ACC 1030, CRJ 2012, CRJ 3101, CRJ 3107 and 3 credits chosen from ACC 1035, ACC 1040.

Healthcare Informatics

For Computer Science, Computer Security Systems, and Networking Systems 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. 1004, 1100 plus 9 credits chosen from: HSA 1003, 1011, 1012, 1015, 1020, 1100.

Homeland and Corporate Security

18 credits including HSC 1001, 1003, 1004, 1007 plus six 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 credits from IT 1011, CUS 1115, CUS 1116, NET 1011, plus 6 credits chosen from CUS 1110, 1126, CUS 1172, IT 1175.

International Communication

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

* *Note: Students completing this minor through Global Study should contact the CCPS Dean's Office for details.*

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, 1004, 1015 and 3 credits selected from any of the legal specialty elective courses listed in the LES major area requirement section. ABA Approved. Paralegals may not provide legal services to the public except as permitted by law.

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.)

Managing Inclusivity at Work

18 credits including 3 credits from MGT 1001 or MGT 2008 and 12 credits chosen from BLW 1015, MGT 1005, 1014, 1021, 1025 1027, 1077, 2002 or 2003.

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 The Lesley H. and William L. Collins College of Professional Studies courses): COM 3292, 3294, 3295, ART 1105, 1110, 1130, 1290, 2125.

Military Leadership

MGT 1001, MSC 31, MSC 32, MSC 41, MSC 42 and 3 credits from PSY 1025, HSC 1065, SOC 1003 or SOC 1004.

NOTE: All MSC courses listed have a co-req of leadership labs.

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, The Lesley H. and William L. Collins 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

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 1500, 2100, 2200, 2201, 4200, 4600.

Pop Culture

19 credits including PCU 1001 and 15 credits from ADV 3500, COM 2290, 2401, 2500, 2570, ENG 1015, 1054, 1058, 1068, 1072, 1074, 1078, 1079, 1081, FAS 1065, 1078, 1079, 1080, 1082, HIS 1017, PHO 1500, SPM 1003, SPM 1008, SPM 1038, THE 1058, TVF 2202, TVF 1500 series electives. VGD 2510

NOTE: Students may not apply more than 9 credits from the same subject area.

Public Relations

18 credit hours including ADV 2100, PRL 2100, 2301, 3400, 4600, and 3 credits from COM 2209, COM 2290 or COM 2301.

Sport Management

15 credit hours including SPM 1001, SPM 1003 and 9 credits chosen from SPM electives.

Television Studies

15 credits including TVF 1200 and 2200 plus 9 credits selected from: TVF 1501, 1502, 2202, 2203, 2204, 2301, 2302, 2303, 2402 TVF 3200, 3203, 3204, 3303, 4200, 4205 COM 2401, 2500.

Tourism Management

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).

Video Game Development

18 credits including VGD 1001, 1002, 2600 plus 9 credits chosen from COM 2290, CUS 1100, VGD 2300, 2401, 3202, 3203, 3301, SPM 1038.

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 Lesley H. and William L. Collins College of Professional Studies

Administration and Economics

Almerinda Forte, Ph.D., Chair, Administration and Economics

Seunghyan (Brian) Park, Ph.D., Director, Hospitality Management

Arts and Humanities

Kathleen Marks, Ph.D., Arts and Humanities

Computer Science, Mathematics and Science

Joan DeBello, Ed.D., Chair, Computer Science, Mathematics and Science

Syed Ahmad Chan Bukhari, Ph.D., Coordinator, Healthcare Informatics

Bonnie MacKellar, Ph.D., Director, Computer Science (UG)

Erald Troja, Ph.D., Coordinator, Cyber Security Systems

Nikhil Yadav, Ph.D., Director, Information Technology,

Criminal Justice Legal Studies and Homeland Security

Keith Cozine, Ph.D., Chair, Criminal Justice and Homeland Security

James O'Keefe, Ph.D., Director, Criminal Justice (SI)

Jeffrey Grossmann, J.D., Director of Homeland Security

Jie Xu, Ph.D., Director of Criminal Justice

Health and Human Services

Joan Tropnas, Ph.D., Chair, Health and Human Services,

Randolph Ortiz, Ed.D., Coordinator, Administrative Studies

Legal Studies

James Croft, J.D., Chair and Director, Legal Studies

Mass Communication

Basilio Monteiro, Ph.D., Chair, Mass Communication

Alla Baeva, M.F.A., Director Television and Film

Mark Juszczak, Ed.D., Director, Communication Arts

Nancy DiTunnariello, Ph.D., Director, Communication Arts (SI)

Tiffany Mohr, Ph.D., Coordinator, Public Relations/Advertising Communication

Michael Rizzo, M.A., Director, Journalism

Sport Management

David Hedlund, Ph.D., Chair, Sport Management

Simon Pack, Ph.D., Director of Sport Management (UG)

Course Offerings

All course credits are listed in semester hours. Courses are listed and described in alphabetical order by subject. Students enrolled in The Lesley H. and William L. Collins College of Professional Studies may also select elective courses from among the course offerings of the other colleges of the University. For additional information, please consult with the advisors in The Lesley H. and William L. Collins College of Professional Studies office.

Accounting (ACC)

1007 Fundamental of Accounting (non-accounting majors)

This course covers financial and managerial principles and concepts that form the basis of the external and internal reporting by business entities. The course explains how financial information is communicated to management, stockholders, creditors and others interested in the status of the business enterprise. This course also 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.*

1008 Corporate Accounting Assessment and Fraud Detection

Prerequisite: ACC 1007. Accounting for Partnerships and Corporate Forms of Business Organizations are emphasized. This survey course examines best practices in forensic accounting, financial forensics, and the prevention, deterrence, detection, investigation and remediation of fraud in various industries. While providing students with an integrated coverage of the latest development in the environment and methodology of accounting assessment. *Credit: 3 semester hours.*

1030 Financial Reporting and Analysis

Prerequisites: ACC 1007 and ACC 1008. An analysis of financial accounting from both the user's and the preparer's perspectives. Students will utilize actual financial statements and will engage in their analysis and interpretation. They will learn to understand and analyze real financial reports. *Credit: 3 semester hours.*

1035 Accounting Assessment

Prerequisites: ACC 1007 and ACC 1008. A comprehensive and integrated coverage of the latest developments in the environment and methodology of accounting assessment. *Credit: 3 semester hours.*

1040 Accountant's Professional Responsibility

Prerequisites: ACC 1007 and ACC 1008. An overview of the myriad situations confronting the accounting professional with a special focus on professional responsibility and appropriate decision making. Recent reforms in the accountability and governance of business entities and professional accounting are covered. Topics include the ethical and justice theories, corporate social responsibility, distributive justice, whistleblowing, tax avoidance and tax evasion. *Credit: 3 semester hours.*

2000 Financial Accounting Reporting

This introductory financial accounting course focuses on the requirements of preparing and understanding reported financial information and the link between accounting information and decision-making. Topics include the basic accounting process and its underlying framework and concepts, performance reporting, through preparation and analysis of the income statement and the statement of financial position, the measuring and reporting of assets, and cash flows. This course is designed for CCPS students who plan on transferring to the Tobin School of Business and plan on majoring in accounting. *Credit: 3 semester hours.*

Administration

2000 How the Other Side Lives— The Issues and Problems of Daily Life in Hungary

Students have a chance to live and study abroad and learn some of the daily problems faced by Hungarians. The course shows and analyzes the difficulties Hungarian society faces as it moves towards democracy. Difficulties and obstacles faced by society, the government and commercial enterprises are also discussed. *Open to all St. John's University students. No prerequisites. Free elective. Credit: 3 semester hours.*

Administrative Studies (ADS)

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)

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 Basics of Copywriting and Concepting

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

Prerequisites: ADV 2100 and MTH 1021. 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.*

3200 Advertising Print and Web 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 Copywriting II: Content Development

Prerequisite: ADV 2301. This course is a continuing workshop on how to create the copy for direct and digital media. 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

Prerequisites: 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.*

3402 Digital and Social Media: Planning, Buying and Measurement

Prerequisites: ADV 3401 and MTH 1021. This is a

hands-on class in which students will create a digital media plan for an identified brand. Topics covered include how to identify, reach, engage, purchase, monitor and evaluate advertising in current interactive channels. Emphasis will be placed on online display and video advertising, search engine marketing, programmatic buying, social and mobile media, data collection of consumer and usage data and measuring outcomes via web analytics tools. *Credit: 3 semester hours.*

4305 NSAC Research Project

Prerequisite: ADV 2100 and permission of the program director. This is an advanced advertising research course that uses a real-world advertising challenge of a prominent company to teach students how to think through a complex advertising problem within the context of the National Student Advertising Competition. *Credit: 3 semester hours.*

4306 NSAC Creative Development and Presentation

Prerequisite: ADV 2100 and permission of the Program Director. This is an advanced course that involves students in hands-on development, execution and presentation of an actual advertising campaign within the context of the National Student Advertising Competition, thereby performing all the functions of a contemporary advertising communications agency. *Credit: 3 semester hours.*

4402 Leadership and Coaching in Creative Organizations

Prerequisite: ADV 3400 and Senior Status, Advertising and Public Relations 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.*

4500 History of Advertising and Evolution of Advertising Principles

Prerequisite: ADV 2100. A study of the people that have shaped the advertising business and of the basic advertising tents that have been developed over the years that will remain timeless, despite rapidly occurring changes in media delivery, message integration and interactivity with the consumer. *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.*

6100 Introduction to Media: Advertising

An introduction to the world of advertising, with an emphasis on the basics of positioning within the marketplace, creating the brand personality, developing a brand advertising strategy, ideation of the advertising idea and development of an actual ad for the assigned brand. For non-matriculated students and by program director's permission only. *Credit: 3 semester hours.*

Biology (BIO)

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.

1031 Environmental Biology for Education Majors

The purpose of this course is to review important topics in environmental biology which would be relevant for education majors. The course is designed to meet the National and New York State Science Education Standards. The course focuses on science content rather than methods of teaching. However, activities are provided that may be adapted to the classroom. Important topics in the news will be the focus, including: loss of habitat and biodiversity, pollution, climate change, the energy crisis and sustainable lifestyles. *Credit: 3 semester hours.*

Business Law (BLW)

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.*

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.*

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.*

1055 Legal Aspects of the Fashion Industry

Legal Aspects of the Fashion Industry, is a theory law course involving a newly distinct area of law which applies to a multi-billion dollar international business. This legal discipline includes merchandise licensing and counterfeiting, commercial agreements, employment law and import and customs law as applied to the fashion industry. (Cf. FAS 1055). *Credit: 3 semester hours.*

Chemistry (CHE)

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)

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 Storytelling Across Media

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.*

2001 Media and Communication Theory

Prerequisites: COM 1001. An overview of theories of mass media through an exploration of major schools of thought in communication—ranging from mass communication in the 19th century to contemporary digital media and culture—students will examine the theoretical underpinnings that drive scholarly research and understandings of media models. The course will cover the theoretical roots of social science as a context for various aspects of communication, political economy of the media, media effects and audiences, and the relationship between media production, reception, and texts. *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 (Cf. JOU 2201) 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 (Cf. JOU 2204) Laboratory fee: \$30. *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 Media Management

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 (Cf. JOU VGD 1001) . *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.*

3110 Mass Communication: Scandinavia

Prerequisite: COM 1001. Key debates in world communication, as governed by global media infrastructure and policy will be subjected to analysis within economic, political and cultural frameworks of thinking. Topics include globalization, cultural and media imperialism, alternative media, power and propaganda, social media, media cultures, diasporic media and hybridity. Embedded travel is required. *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

Prerequisites: 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.*

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.*

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 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.*

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.*

4602 Computational Media Analysis

Prerequisites: COM 1001, COM 2600. Upper-level seminar introducing students to computational media analysis – methods and analysis that integrate AI, computational methods and emergent analytical tools, such as distributed server share systems. Learn to differentiate data analytics from computational modeling for critique and analysis. *Credit: 3 semester hours.*

4620 Senior Capstone Course in Communication Arts

Prerequisites: COM 1001, COM 2600 and Senior Status. In this independent study, students produce a thesis or project as the culminating experience of their undergraduate careers. Students apply knowledge from communication arts to examine a scholarly issue in media studies. Designed with a faculty advisor, the capstone showcases verbal and written communication proficiency, exhibits critical skills acquired throughout the program, and frames future career and advanced academic opportunities. *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.*

4704 Communication Arts Practicum

This communication arts course involves the practical application of theories, concepts, and critical thinking, writing, and oral presentation skills learned in the classroom. The focus is on obtaining practical learning experiences in communication-oriented departments on campus that help to prepare students for future industry work experiences. *Credit: 1 semester hour.*

4706 Communication Arts Practicum

This communication arts course involves the practical application of theories, concepts, and critical thinking, writing, and oral presentation skills learned in the classroom. The focus is on obtaining practical learning experiences in communication-oriented departments on campus that help to prepare students for future industry work experiences. *Credit: 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.*

8002 Mass Communication in Italy

This course examines the role of mass media as related to culture, politics and education in Italy. It will also explore contemporary developments of mass communications, their technologies and their impact on Italian society. *Credit 3 semester hours.*

8006 Media, Culture and Communication: France

France has a rich cultural history and dedicated institutions that provide opportunities to study culture, media and communication. Paris is home for UNESCO, numerous museums and media institutions; it provides resources to study how culture is integral to media development, and how public policies are being shaped. This study abroad course examines the developments of media, and communication through historical and cultural lenses. It will also focus on learning how culture is communication and communication is culture, and the role of media on the intersection of both. *Credit 3 semester hours.*

8008 Mass Communication in Spain

This course will examine the role of mass media as related to culture, politics and education in Spain. It will also explore contemporary developments of mass communications, media technologies and their impact on Spanish-speaking countries. *Credit: 3 semester hours. (Planned for summer, 2016)*

8009 Communications in California

This "study away" course allows an opportunity to meet professionals in communication industries and to visit sites of activity in the worlds of film, broadcast, print media, public relations, advertising, animation, videogames, internet, and other new media. *Credit: 3 semester hours. Intersession.*

Computer Science (CUS)

1100 Introduction to Game Programming

Basic tools and techniques for programming in Processing and Java to create computer games and introduce accompanying computer science principles. This course will explore the power of algorithms for solving problems in computer science related to game development. *Credit: 3 semester hours.*

1101 Introduction to Computer Programming

Basic principles and operations of a computer system. The Visual Basic programming language; data representation; input/output; structured program design. (Not open to computer science or electronic data processing Majors). *Credit: 3 semester hours. CSC 1000 (SI)*

1102 Software Applications

Investigation of the computer as a tool; computer concepts and the use of productivity software; using a word processor; creating and using electronic spreadsheets; databases and database management systems. (Not open to students who have completed CUS 1107 or 1165.) Credit: 3 semester hours.

1103 Spreadsheet and Database

Prerequisite: CUS 1102. Comprehensive analysis of electronic spreadsheet and database software, including concepts and applications. Credit: 3 semester hours.

1104 Presentation Graphics

Concepts and applications of presentation graphics packages; graphics capabilities of spreadsheets and databases; hypertext presentations; Computer Assisted Instruction; associated hardware concepts including image scanners, digital film recorders, laserdiscs, 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.

1110 Introduction to Data Analytics

An introduction to data acquisition and analysis focusing on the impact of big data on business decision making, digital marketing, risk and fraud management, healthcare, financial services, social media, and social networks. Basic tools of big data analysis, predictive analytics, and business intelligence will also be covered. 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. A minimum grade of C is required in CUS 1116 and CUS 1126 courses, for students to be allowed to continue in the computer science major (including computer science option programs). Credit: 3 semester hours.

1119 Programming Fundamentals for Analytics

As an introduction to programming for data analytics, this course includes programming fundamentals as well as language-specific features of R and Python for statistical analysis and scientific computing. Essential tasks along the data analytics pipeline will be covered such as reading data into a program, implementing programs to solve a problem, performing statistical analysis, and visualizing data. 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. A minimum grade of C is required in CUS 1116 and CUS 1126 courses, for students to be allowed to continue in the computer science major (including computer science option programs). 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.

1150 Systems Programming in Linux

Prerequisites: CUS 1116. An introduction to the process of writing programs that interact directly with a computer system's operating system. Credit: 3 semester hours.

1151 Advanced Data Structures and Algorithms

Prerequisite: CUS 1126, and MTH 1022. 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 1126. Relational, hierarchical, and network database systems; file organization and

access techniques; query and update languages; database security and integrity. *Credit: 3 semester hours.*

1166 Information Technology Capstone

Prerequisite: CUS 1156 and CUS 1165. 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 1116. 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 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-tolerance. *Credit: 3 semester hours.*

1172 Web Application Development

Prerequisite: CUS 1126. An introduction to web application development. Topics will include basics of HTML, CSS and SAS; overview of JavaScript concepts such as variables, control structures and functions; server-side/back-end development using current web development frameworks and modern databases and; front-end web development using current front-end framework. Additional related topics will be explored such as web database design, user experience, scalability, security, and application deployment. *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 Security (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 1126. 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)

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.*

2010 Police Tactical Decision Making (Lab)

Prerequisites: CRJ 2000, not open to freshmen without instructor's permission. An analytical analysis of the tactical challenges faced by U.S. law enforcement officers is provided within this course. This course uses the Simulation Laboratory with a combination of lecture, case studies and simulations to identify tactical law enforcement decision-making strategies and techniques necessary for success in critical law enforcement encounters. Issues of officer safety and use of force will also be identified and examined. *Credit: 3 semester hours.*

2011 Serial Killers and Their Victims

Prerequisites: CRJ 2000 or PSY 1001, not open to freshmen without instructor's permission. An in-depth examination of the methods, characteristics, motives and victims of serial killers. Typologies of murder as well as theoretical explanations for the crime of murder will be examined. Additionally, the role of criminal profiling in the discovery, investigation and apprehension of various types of murderers will be explored. *Credit: 3 semester hours.*

2012 Fraud Examination and Investigations

Prerequisites: CRJ 2000 and ACC 1008. Theories, principles and methodologies of fraud examination and investigation are explored within this course. Students will learn how and why fraud occurs, how fraudulent conduct is detected, how fraudulent conduct can be deterred, and how allegations of fraud are investigated and prosecuted. Fraudulent schemes and investigative techniques for discovering fraud will also be examined. *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.*

3008 Hostage Negotiations and Crisis Intervention

Prerequisite: CRJ 2000 or approval of the Director. The course will deal with criminal justice organizations and their role in dealing with critical and crisis situations as well as hostage negotiations. Students will review literature and have opportunities to role play types of behaviors and psychological pressures both on the subject of the act as well as the criminal justice agency personnel.

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.*

3122 Constitutional Law

Prerequisites: CRJ 2000 or HLS 1001 or HLS 1003 or LES 1100. This course offers a survey-level examination of the U.S. Constitution. The history, organization, and authority of the U.S. Government, constitutional civil liberties, and other limitations on governmental powers are discussed. Emphasis is placed upon U.S. Supreme Court decisions. Contemporary constitutional issues, particularly those affecting homeland security, and the criminal justice system are discussed (Cf. LES 1107). *Credit: 3 semester hours.*

3201 American Law Enforcement Practicum

To study and critically examine law enforcement agencies at all levels of government, the role of the law enforcement agent, and the contemporary problems and issues that affect American policing. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only.*

3202 Justice and the D.A.'s Office

Course explains the functions, powers, duties and career opportunities presently existing in local and national prosecuting agencies, including the county D.A.'s, state attorneys general and the U.S. attorneys. *Credit: 3 semester hours. Free elective only. Intersession and pre-session only. (SI)*

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. Intersession 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.*

3210 Fraud in the Public Sector

An examination of the issues of fraud, waste, abuse and corruption in public, nonprofit and other publicly funded organizations from the perspectives of management, law, economics and other social sciences. The individual dynamics that sustain fraud, waste, abuse and corruption within organizations will be explored. The role of organizational culture, control systems and oversight structures in the prevention and detection of public sector fraud will also be reviewed. *Credit: 3 semester hours.*

3211 Unsolved Murders: Case Study Analysis of Investigative Technique

A review of contemporary unsolved criminal cases where a death has occurred, with particular emphasis being given to the investigative process. Focus will be on conducting qualitative case study analyses, via a detailed review of missing person's cases, using public records. The investigative processes utilized in each case will be examined. The media attention devoted to each case will also be explored. *Credit: 3 semester hours.*

3212 Domestic Extremism and Hate Crime

Prerequisites: CRJ 2000, not open to freshmen without instructor's permission. The foundations of domestic extremism and hate crime and their relationship with criminal behavior are explored within this course. The focus of this course is on the organizational structure, philosophies, and networks of domestic extremists and hate groups. Federal and state statutory laws addressing acts of domestic extremism and hate crimes will also be explored, as well as their impacts on criminal behavior. *Credit: 3 semester hours.*

3213 Forensic Photography

An introduction to industry standards and ethics for the use of photography. The course provides the framework for photographing situations and materials as part of Forensic Investigations. The course integrates scientific methods, codes of ethics, and quality control. The presentation of evidence is emphasized. Practice of the presentation of evidence through oral and written demonstrations is important in development of technical/scientific speaking and writing skills. *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)

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.*

1010 Scripting for Administration, Automation and Security

Prerequisites: CSS 1005 and CUS 1116. A hands-on approach towards the automation of common system administration, security and networking tasks through commonly used scripting languages. This hand-on course will allow students to learn by example by applying real life solutions to common system administration, security and networking tasks both on Linux and Windows platforms in order to illustrate similarities and differences in the scripting languages and environments. *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.*

1019 Cloud Computing and Security

Prerequisites: CSS 1005 and IT 1175 or CUS 1165. An overview of Cloud Computing and capabilities across the various cloud service models, the building blocks and the enabling technologies. Students will gain hand-on experience solving relevant problems through projects utilizing public cloud infrastructure (Amazon Web Services and/or Microsoft Azure). Understand cloud-native architectures, cloud-native infrastructure and cloud-native applications, and related technologies such as container and serverless (Functions as a Service). The course also covers the cloud computing security model and cloud resource management and monitoring capabilities from an architectural design perspective. *Credit: 3 semester hours.*

1018 SQL and Cloud Database Security

Prerequisites: 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.*

1035 Secure Software Development

Prerequisite: CUS 1126. Introduction to secure software development and automation scripting. Secure software development best practices reduce insecure coding practices that can lead to exploitable vulnerabilities in production. Scripting allows organizations to scale their analysis. This course introduces students to the security best practice guidelines to control the structure of their programs above what is specified by the programming language definition. The course also introduces students to automation scripting geared at incident response and forensic analysis. *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)

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

Prerequisites: 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 Mobile Device Forensics

Prerequisite: DFR 1001. 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.*

Digital Media Design (DMD)

1001 Principles of Digital Media Design

Presents the critical history, tools, and professional practice techniques used in digital media design. Students engage in the use of design research, strategy, and proposal writing to develop solutions to digital communication problems. Critical aspects of project planning, client consulting, and creative problem solving are applied in developing course projects. The historical roots of digital media design and modern media works are explored and critically discussed. *Credit: 3 semester hours.*

2100 Digital Publishing and Print Design

The tools and professional practice techniques used in publication design and digital media publishing are explored in this laboratory course. Students engage in the use of design research and creative development techniques to design short editorial publications, digital images, and illustrations for digital and print delivery. Critical aspects of project planning, client consulting, and creative problem solving are applied in developing course projects. Publishing workflows, e-book development, raster and vector images, prepress requirements, and professional output technologies are examined and executed. *Credit: 3 semester hours.*

2200 Advanced Digital Publishing and Print Design

This laboratory course presents advanced principles and practices used in print media publishing. Students engage in the use of design research and creative development techniques to design long form editorial publications, advanced

digital image development, and advanced editorial illustrations. Project planning, client consulting, advanced publication design, and creative problem solving are applied in developing course projects. Publishing business practices, freelance strategies, digital workflows, prepress requirements, and professional output technologies are examined and executed. *Credit: 3 semester hours.*

3100 Interactive Multimedia Design

This laboratory course presents principles and practices used in interactive multimedia design. Students engage in the use of design research, multimedia based tools, and creative development techniques to design interactive digital media projects including UI/UX portals and web apps. Instruction includes producing projects with sound, interactive controls, 2d animation & motion graphics, and short video clips. *Credit: 3 semester hours.*

3200 Web and Mobile Design and Development

Presents principles and practices used in website design and mobile application development in a laboratory course. Students engage in the use of design research, UI/UX, multimedia based tools, web programming, and CSS to create web and mobile based sites and apps. Instruction includes producing websites, micro-sites, and web advertising. *Credit: 3 semester hours.*

3300 Advanced web and Mobile Design and Development

This principles and practices used in CSS driven website design and basic Actionscript Programming are explored in this advanced laboratory course. Students engage in the use of design research, UI/UX, multimedia based tools, Flash Development, and CSS to create web and mobile based applications. Instruction includes producing websites and creating dynamic web applications. *Credit: 3 semester hours.*

4800 Digital Media Senior Project

Provides major and minor students the opportunity to develop a comprehensive digital media project that incorporates conceptualization, research, prototype design, evaluation, and final delivery of a multi-faceted project. Final work will be displayed in a public exhibit. *Credit: 3 semester hours.*

4900 Digital Media Portfolio Seminar

Major and minor students develop a digital media industry specific resume and cover letter and a comprehensive digital media portfolio/reel in print and web formats. *Credit: 3 semester hours.*

5001-3 Digital Media Internship

Major and minor students work in an external setting to complete design and industry research and digital media projects under the guidance of an industry professional. *Credit: 3 semester hours.*

Dramatic Arts (DRM)

1200 Introduction to Acting Technique

This course will introduce students to the "actor's process," with concentration 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.*

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.*

2236 Post Colonial Drama

The theater has had a long history of confronting the historical, geographical, aesthetic, social, and economic structures that colonization has imposed. Lectures will unpack how the Postcolonial drama has examined the phenomenon of colonized self, and how many modern societies identify themselves. Emphasis throughout the semester will be on assessing the didactic and allegorical drama, and the challenges each presents a performance. *Credit: 3 semester hours.*

2237 Political Theater

Political theatre confronts those governing politics that are central to defining the "Oppressor" and the "Oppressed" as a way to encourage audiences to question their own beliefs about the societies in which they live. Throughout the semester, lectures will examine selected playwrights who have confronted the political and social attitudes of particular epoch, while performances will work through the difficulties of staging such dramas. *Credit: 3 semester hours.*

3200 Advanced Acting Technique

Prerequisites: DRM 1200 and DRM 2200. An actor's capacity to deconstruct, interpret and create a performance requires a self-awareness of the creative and theoretical challenges actors face in developing a character. Advanced Acting Technique will expand upon those theories students learned in DRM 1200 and DRM 2200, to further the practical application of personalization and identification of the character. *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.*

4200 Directing the Play

Designed to expand upon the work completed in DRM 3300 Playwriting by staging the original one-act play written for that class for a public performance. This will be a semester-long process that will have students will sort through the artistic, theoretical, and professional challenges of staging a dramatic work for the stage. *Credit: 3 semester hours.*

4600 Advanced Acting Technique

Prerequisites: DRM 2200, DRM 2236, DRM 2237, and DRM 3300. An actor's capacity to work is built up his or her ability to properly prepare for a professional career in the performing arts. Acting Seminar will draw upon all the work, theories and preparation students learned in the previous Dramatic Arts courses, and bring them together to properly prepare for a professional career in the performing arts. *Credit: 3 semester hours.*

Economics (ECO)

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

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

Prerequisite: 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

Prerequisites: ECO 1001, and (BLW 1001 or 1005). 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.*

1065 Current Issues in Fashion

The many issues currently impacting the fashion industry will be studied. The basic issues include

comparative advantage, economic indicators, trade barriers, regulations and, especially, those economic issues related to textiles, clothing and footwear. Additionally, the role of the global employer will be examined in terms of labor costs, working hours, social development and labor relations. The tools of the economics of e-commerce will be used to analyze issues affecting consumers and business to business e-commerce. (Cf. FAS 1065) *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)

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

Prerequisites: FYW 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

Prerequisites: FYW 1000C and ENG 1100C. This course will review the principles of good writing and study different strategies and formats for writing a variety of business documents, including email, memos, proposals, text messages, and reports. Students will deliver a group presentation and examine the effects of technology on business communication. In addition, students will prepare an effective resume and cover letter and prepare for a job interview. *Credit: 3 semester hours.*

1007; 1008 Survey of American Literature

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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.*

1030 Literature Seminar

Prerequisites: FYW 1000C and 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 1000C and 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 1000C and ENG 1100C. A study and comparison of selected readings from various periods of American literature with counterparts in the visual arts (especially painting, theater and film). *Intersession only: Free elective. Credit: 3 semester hours.*

1068 Women's Voices in Literature

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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: FYW 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

Prerequisites: FYW 1000C and ENG 1100. 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.*

1077 Toni Morrison: Selected Novels

Prerequisites: FYW 1000C and ENG 1100C. This course explores the fictional worlds, created through the novels of Nobel Prize-winning author Toni Morrison. Foci will include Morrison's uniquely African-American story-telling; her exquisite prose; as well as her connections to ancestral roots, the African-American experience, the classics, mythological patterns, and slavery. Students will engage at least five (5) of Toni Morrison's eleven (11) novels through reading, studying, discussing, assessing, and writing about the novels selected. *Credit: 3 semester hours.*

1078 The Literature and Language of Sports

Prerequisites: FYW 1000C and 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 Harlem Renaissance: A Gateway to Modernity

Prerequisites: FYW 1000C and ENG 1100C. This course

explores the importance of popular culture in the contemporary world. The course will define popular culture; study the intersection between everyday life, mass media, politics and popular culture; consider the effects of popular culture on identity and self-identification; study fan culture, scenes, and countercultures; analyze the production, consumption, and dissemination of popular culture; and introduce students to theories on popular culture. The course will discuss a range of popular culture media, genre, trends, products, representations, and expressions in their cultural, political, historical and/or economic contexts. An understanding of how popular culture forms develop and trend is crucial to many majors. Like no other time in history, popular culture has developed into an influential force shaping individual and global thought and becoming a global economic force. *Credit: 3 semester hours.*

1080 Traditional African American Voices: Writers and Speakers

Prerequisites: FYW 1000C and ENG 1100C. An exploration of the thoughts, ideas, and principles which underpin traditional African-American life and values of faith, freedom, family, education, and self-reliance, reflected therein, and rooted in the ideals and religious beliefs of the Black Church in America and African folk tales. These thoughts, ideas, beliefs, principles, and values are presented theoretically in essays and applied to the real-life experiences, as contained in biographical and autobiographical presentations. *Credit: 3 semester hours.*

1081 African-American Drama in the Modern World

Prerequisites: FYW 1000C and ENG 1100C. Modern African-American Drama has its roots in the 18th and 19th centuries and comes of age in the 20th century as African-Americans re-define themselves as "New Negroes." This personal renaissance begets an artistic rebirth, known as the Harlem Renaissance, which encouraged and supported the creation of art, literature, and drama by, for, and about African Americans. In addition to the Renaissance, students assess other significant 20th-century Black theater movements, including pageantry, Niagara Movement, the Black Unit of the Federal Theater Project, and the Black Arts Movement, while engaging a minimum of twelve (12) plays. During this engagement, students explore the impact of past cultural encounters in people's lives, analyze cultural expressions in relation to modernity, and evaluate changing ideas of race. *Credit: 3 semester hours.*

1082 Zora Neale Hurston: Harlem Renaissance Artist, Writer, Folklorist

Zora Neale Hurston is a luminary of the Harlem Renaissance, an accomplished novelist, folklorist, playwright, essayist, and writer of short fiction. As an artist/writer, Hurston's guiding principle is that in artistic and written creations African Americans must be authentically represented as they are, live, speak, and behave in reality when white people are not present; accordingly, many of her works contain dialectic speech and detailed descriptions of personal interactions and behaviors. Her primary subject focus is Blacks in Alabama and Florida. In

this course, a selection of Hurston's major works, including her most recently published work by the executors of her estate, *Barracoon: The Story of the Last "Black Cargo,"* her autobiography, novels, plays, short stories, essays and folklore tales are read, engaged, analyzed, and assessed. *Credit: 3 semester hours.*

1085 Fashion and Literature: Textile and Text

Prerequisites: ENG 1100C & FYW 1000C. The course explores how literature illuminates the field of fashion studies. The two milieus are linked as the apparel in fashion and the written words in language, the garments and words, textile and text, that share a common etymology. The course will explore these commonalities and the diverse range and representations of clothing in the nineteenth and twentieth-century literature. Focus will be on how fashion history and literary history, when examined together, prompt fresh understandings of the complexities of class and sexual identity. *Credit: 3 semester hours.*

2000 Literature and Culture: Classics of Continental and British Authors from Ancient Times to the Early 16th Century

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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

Prerequisites: FYW 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).

Entrepreneurship (ENT)

1000 Creativity, Innovation and Entrepreneurship

Organizations and society advance when individuals and communities are able to deal with current and emerging problems by developing new and creative solutions to address them. This course is designed to help students understand the role of creativity and innovation in entrepreneurship, in economic development but also in one's own life/career. Key concepts, models and techniques to develop creative skills and problem solving habits are introduced and are applied with in-class exercises and interviews of startup owners. This course is specifically intended for undergraduate students exploring the opportunities that innovation and entrepreneurship activities may open in their chosen field of study and across disciplines (design, arts, business, computing) and industries (technology, manufacturing, lifestyle, service, etc.). *Credit: 3 semester hours.*

1002 Social Entrepreneurship

As the traditional lines blur between nonprofit enterprises, government, and business, it is critical that business students understand the opportunities and challenges in this new landscape. This course will not only address how to start a social driven business/institution, but also how it is possible for major companies to move social responsibility from a cost center to a profit center. This course will therefore address through case discussions, lectures, readings, guest speakers, and student presentations this emerging field. Students will be expected to develop a pitch for a business plan for a social enterprise or a plan/strategy for an already existing company to move its social responsibility function to a profit center. *Credit: 3 semester hours.*

1003 New Venture Initiative

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. (Cf. MGT 1026). *Credit: 3 semester hours.*

1005 Hospitality Tourism and Entrepreneurship

The overall objective of this course is to provide a comprehensive understanding of the different types of entrepreneurship within the hospitality and tourism industry. *Credit: 3 semester hours.*

1006 Restaurant Entrepreneurship

An exploration of the process for starting and growing a new restaurant including the development of a business plan and bringing a product to market. The course includes case studies and in-class visits to help the student identify business opportunities, develop business models, raise finances and build and grow a venture. The

course will also provide the student with the tools necessary to successfully start, grow and maintain a new venture. *Credit: 3 semester hours.*

1007 Digital Entrepreneurship

This course focuses on the high-tech small business sector and reviews the role that technology and technological innovation plays in such sector. It studies the "digital" entrepreneur's characteristics, talent and activities that enable technology ideas and organizations to scale. The course reviews both existing and emerging technologies that are used to start, operate and grow a small business as well as studies the theories about the role of technology in "disrupting" existing business models and organizations. Students will apply what they learn about new technologies and tools by building a mock e-commerce site for a for-profit/non-profit startup. *Credit: 3 semester hours.*

1008 Corporate Entrepreneurship

The course centers on understanding corporate culture and practices that stimulate innovation and entrepreneurship within medium and large organizations (intrapreneurship). It explains how to generate agency, innovation and change in various organizations and reviews best practices that nurture creativity, adaptability and competitiveness in large companies. Students are exposed to theories and examples, case studies and readings that focus on the application of knowledge to specific innovation scenarios across several industries. *Credit: 3 semester hours.*

1010 Managing a Bed and Breakfast Inn I

Planning, purchasing, establishing, licensing, marketing, hosting, and managing a bed and breakfast inn are course foci. Selected topics include: defining a bed and breakfast inn/ guest house, assessing innkeeper lifestyle, selecting a property/location, writing a business plan, buying a turnkey business or creating a new business, paying taxes, keeping records, decorating, marketing and advertising, networking, defining policies, hosting guests from a personal welcome to farewell, preparing a memorable breakfast and other food amenities, housekeeping, solving problems, providing concierge services, and creating a memorable visit. (Cf. HMT 1160). *Credit: 3 semester hours.*

1012 Managing a Bed and Breakfast Inn II

Financial, accounting, employment, human resources, risk management, and legal aspects of Bed and Breakfast management are course foci. Selected topics include: complying with laws/regulations, including ADA requirements; preparing for inspections (health, housing, fire, etc.), being properly insured (homeowner's, liability, income replacement, workers' compensation, flood insurance); recruiting, training, retaining staff; hiring independent contractors; minimizing liability risks; documenting accidents/injuries; creating/maintaining accurate accounting/financial records; assessing accounting/reservation software packages; identifying, forecasting, and responding to occupancy challenges and tourism trends; and planning new initiatives. (Cf. HMT 1161). *Credit: 3 semester hours.*

1013 Entrepreneurship Business Law

Prerequisites: One course from either ACC 1007, BLW 1001, MGT 1000, or MGT 1001.

This course introduces laws entrepreneurs need to support their efforts to start a business. It is a survey of areas of law related to entrepreneurs' most common legal and managerial activities. Topics include selecting the form of business that best serves the entrepreneur's goals, tax considerations, hiring and employment/labor-related laws, laws dealing with finance, real property, contracts, intellectual property, owner liability, risk and insurance including key person (formerly key man), and selling/terminating a business. Family owned businesses and partnerships are considered. *Credit: 3 semester hours.*

1076 Fashion Entrepreneurship and e-Technology

Introduces students to the various components and concepts of a business plan, financial planning and e-Technology. Students will assess and apply practices and procedures involved with a fashion retail business from a practical, real-world approach. (Cf. FAS 1076 & MGT 1076). *Credit: 3 semester hours.*

Fashion Studies (FAS)

1006 Fashion Marketing

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. (Intersession, pre and post only) (Cf. MKT 1006)

Credit: 3 semester hours.

1015 Introduction to Fashion/Lifestyle Branding

An introduction to the fundamentals of branding and its placement in the fashion/lifestyle industry. A review of the fashion products ability to sustain its place in the market by an understanding of the value added promise as part of the branding process. The sustainability of products in both our local and global environments is at the heart of the importance of the value of the brand ownership and brand reputation of product name and image. A review of the current brand products and how brands are developed into "lifestyle brand products," will be part of the focus of this course. A review of the challenges placed on brands especially in the global marketplace will indicate the importance of a well developed and managed brand strategy. (Cf. MKT 1015) *Credit: 3 semester hours.*

1016 Fashion Forecasting

The course focus is the forecaster of product-lines that are created and developed in the fashion industry. The course includes the concepts of innovation and fashion change. Part of the courses addresses popular culture contributions to lifestyle products, color and textile forecasting. A

competitive analysis of multiple domestic markets as well as global market activity are also reviewed as part of the course. *Credit: 3 semester hours.*

1055 Legal Aspects of the Fashion Industry

Legal Aspects of the Fashion Industry, is a theory law course involving a newly distinct area of law which applies to a multi-billion dollar international business. This legal discipline includes merchandise licensing and counterfeiting, commercial agreements, employment law and import and customs law as applied to the fashion industry. (Cf. BLW 1055) *Credit: 3 semester hours.*

1056 Fashion and Ethics

Students will deal with strategies needed to develop and practice ethical decision-making skills in the fashion industry. Corporations all over the world today are addressing the issues of environmental protection and ethical business in the fashion industry. Fashion designers and textile producers are trying to produce goods that do not harm the environment and are cruelty-free. *Credit: 3 semester hours.*

1065 Current Issues in Fashion

The many issues currently impacting the fashion industry will be studied. The basic issues include comparative advantage, economic indicators, trade barriers, regulations and, especially, those economic issues related to textiles, clothing and footwear. Additionally, the role of the global employer will be examined in terms of labor costs, working hours, social development and labor relations. The tools of the economics of e-commerce will be used to analyze issues affecting consumers and business to business e-commerce. (Cf. ECO 1065) *Credit: 3 semester hours.*

1070 Management Aspects of the Fashion Industry

Examines the management of the fashion production process, the small and large organizations through which the industry creates, produces and changes fashion, and the human resource management process used to employ and manage fashion industry employees. (Cf. MGT 1070) *Credit: 3 semester hours.*

1075 Introduction to the Fashion Industry and Careers

An introduction to the basics of the fashion industry and career opportunities within the industry. The course will include the industry's organization within the U.S. and its organization globally. It will also include global sourcing, product trends, product forecasting, product line development, and related product-to-market delivery. The student will also learn about the primary level of fashion, materials and textiles, and the secondary level of fashion, design and production. (Cf. MGT 1075) *Credit: 3 semester hours.*

1076 Fashion Entrepreneurship and e-Technology

Introduces students to the various components and concepts of a business plan, financial planning and e-Technology. Students will assess and apply practices and procedures involved with a

fashion retail business from a practical, real-world approach. (Cf. MGT 1076) *Credit: 3 semester hours.*

1078 Intersection of Fashion, Architecture and Fine Arts

The emphasis of this class is fashion from 1900 to the present. The student will specifically explore how fine art and architecture have intersected with fashion and culture from 1900 to present. Students are required to research a select group of fashion designers and make connections between fine art and/or architecture, as well as research various aspects of marketing and the cost of producing fashion collections. *Credit: 3 semester hours.*

1079 Leadership and Management in the Fashion Industry

Successful leadership and management in the fashion industry requires a firm understanding of designer brands, products, retail, and communication strategies. Fashion leaders focus on vision, mission, goals, objectives, promote change, and encourages creativity in order to ensure continued success. Students will be introduced to successful leadership skills in the fashion industry. (Cf. MGT 1076) *Credit: 3 semester hours.*

1080 Global Fashion Management

An examination of the fashion industries around the globe, considering major fashion movements and designers in various countries around the world, particularly newly developing countries. Fashion industry development including labor supply, entrepreneurship, supply chain management, and rising designers are topics considered against the backdrop of major historical, social, cultural and environmental influences in the focus countries. (Cf. MGT 1078) *Credit: 3 semester hours.*

1081 The Fashion Design Process

The class is an introduction and overview of the fashion design process. It is intended for Fashion Studies and other students who do not plan to design fashion, but who may want some background and knowledge into the design process, its importance, the work of designers and other key fashion personnel, and the way in which technology has changed the work of designers today. Terminology, creativity and other elements of design are introduced. (Cf. FNA 1081). *Credit: 3 semester hours.*

1082 Fashion History in Film

Prerequisite: One 3 credit course in fashion studies. This course traces the history of fashion using both commercial and documentary films as they reflect their times and cultures. Significant fashion designers in history, the historical development of fashion as a global industry, and the importance of fashion to culture are examined. (Cf. FNA 1082). *Credit: 3 semester hours.*

1083 Fashion Industry Sustainability

This course focuses on the origin and the future of sustainable fashion. The course provides an awareness of environmental and ethical concerns associated with the fashion industry. This course will also provide insights into the viability and

challenges of the sustainable fashion industry. *Credit: 3 semester hours.*

1084 Social Responsibility in the Fashion Industry

This course will provide students with the necessary knowledge to develop greater social responsibility and accountability in the global apparel supply chains. *Credit: 3 semester hours.*

1090 Fashion Studies Internship

Prerequisite: Fashion Studies senior student status. A professional internship experience in Fashion Studies. Normally taken in the student's last semester or year of study. The internship is a professional experience at a fashion house, a retail establishment or store or an applied fashion business location. It is chosen by the student with his or her program academic advisor and it is geared to the student's career interest in fashion. *Credit: 3 semester hours.*

1091 Fashion Studies Internship II

Prerequisite: Fashion Studies senior student status. A professional internship experience in Fashion Studies. Normally taken in the student's last semester or year of study. The internship is a professional experience at a fashion house, a retail establishment or store or an applied fashion business location. It is chosen by the student with his or her program academic advisor and it is geared to the student's career interest in fashion. *Credit: 6 semester hours.*

1092 Fashion Studies Research: Capstone Course

Prerequisite: At least 21 credits of FAS major area courses. The capstone course is intended for senior level students in the Fashion Studies major who have completed at least 21 credits of the major area courses. This course involves faculty guided research for the student in fashion topics and the writing of a research paper. Normally taken in the student's last year of study. The FAS faculty member serves as the student's research guide, helps students select research topics, reviews the student's plan for the research paper, and leads weekly seminar meetings at which the students discuss their research and their writing. Students produce research papers at the conclusion of the course. The course is normally taken in a student's senior year. *Credit: 3 semester hours.*

1093 Color in Life and Fashion

The importance of color and color theory in life and in fashion. The course examines the meaning, perception, and tradition of color, and color's impact in fashion, film, photography, culture, religion, retailing, architecture, and interiors. Color in various historical periods is also discussed. *Credit: 3 semester hours.*

1094 Virtual Fashion Merchandising

An introduction to basic principles of retail fashion sales and merchandising. Using a hands-on virtual approach, students create "dream jobs, with job titles, duties, and positions in the retail fashion industry hierarchy; defines customers served, fellow employees and colleagues, and creates a sample organization chart depicting the job

in its company. The goal is to bring the student "inside" retail fashion, to imagine the perfect job, and to give retailing, merchandising and virtual reality applications life in the class project. *Credit: 3 semester hours.*

1095 Fashion Journal Practicum

Prerequisites: FYW 1000C and permission of the Chair or Program Director. This is a hands-on experience in producing the fashion program's journal of fashion industry topics, entitled Journal of Fashion Ethics, Culture, and Business (FECAB). With faculty guidance, students take an active role in all aspects of journal production including identifying issue themes, inviting submissions, acting as first readers, editing submissions, preparing final copy, and learning and using appropriate software for journal publication. *Credit: 3 semester hours.*

1096 Fashion Crimes and Scandals

An examination of crimes, scandals and injuries in the fashion industry. Factory fires, unsafe fabrics made with radium, flowing clothes that caught in machinery, scarf strangulation, murder and suicides; the list is almost endless. Selected events and issues in fashion from the Victorian era to the present time are analyzed. *Credit: 3 semester hours.*

1097 Construction of Denim: Past, Present and Future

An exploration of the importance of denim, its history, and the psychology of its use and global appeal as apparel, most notably as jeans. The art of indigo, selvedge, work wear (Levi/Lee/Wrangler), designer, Japanese, and washes/finishes is examined. *Credit: 3 semester hours.*

Healthcare Informatics (HCI)

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 Management Systems

Prerequisite: CUS 1115. 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)

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.*

3100 Health Equity

An introduction to the current thinking and social science research on health disparities in the United States. It focuses on key theoretical frameworks (such as social determinants of health, intersectionality, and structural racism) and provides an overview of health disparities across various domains such as maternal and child health, occupational health, and Covid-19. *Credit: 3 semester hours.*

Health Services Administration (HSA)

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.*

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.*

1015 Introduction to Global Healthcare Systems

This course examines major global health challenges, programs and policies. Students will be introduced to the world's vast diversity of determinants of health and disease. Students will analyze current and emerging global health priorities, including emerging infectious diseases, poverty, conflicts and emergencies, health inequity, health systems reforms, and major global initiatives for disease prevention and health promotion. *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

Prerequisites: 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

Prerequisites: 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

Prerequisites: Permission of the Director and HCA 1002. *Credit: 6 semester hours.*

1025 Internship in Health Service Organizations

Prerequisites: 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

Prerequisites: Permission of the Director and HSA 1002. *Credit: 6 semester hours.*

1027; 1028 Senior Extended Internship in Institutional Health Services Administration

Prerequisites: 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

Prerequisites: 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.*

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.*

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.*

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.*

1042 Introduction to Managed Health Care

Prerequisites: HSA 1002, HSA 1012 and HSA 1100. This is a course on economics 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; The U.S. Health Care Systems

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.*

1200 History of Rehabilitation: Health, Exercise and the Body

The course examines the rehabilitation of mental and physical disabilities in a historical perspective. An interdisciplinary analysis of the history and future of rehabilitation and the role of health care administrators is provided. The course reflects on the changing perceptions of ways rehabilitation is delivered over the years within the medical discourse. It gives useful reference in designing exercise rehabilitation programs for patients with various disabling illnesses and conditions. *Credit: 3 semester hours.*

History (HIS)

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.*

1043 Genocide from 1900 to Present

An examination of genocide (1900 to the present) focusing on their commonalities including shared socio-psychological, historical, political, cultural, and economic processes. Topics to be covered include the Ottoman/Turkish Genocide, the Holocaust, the Rwandan genocide and the Darfur genocide/Sudanese Civil Wars. *Credit: 3 semester hours.*

1044 World War II and the Century of Total War

This course studies World War II as a "total war" which unleashed change in every form of human endeavor. It altered the geopolitical basis of global power, eclipsed all previous military engagements, transformed economies, hastened social change and transformed numerous dimensions of human culture. The military history of World War II, from its origins to its long lasting legacies, will be studied with both traditional historical and interdisciplinary methods. *Credit: 3 semester hours.*

1045 Democracy and Social Justice in America

This course provides a history of American freedom, examining how the evolution of institutions, changing legal definitions of individual liberties expressed in the Constitution and extension of those rights to more inclusive groups of people has driven social and cultural change in the United States. It will study the roles of active citizenship, advocacy and activism in promoting institutional change that has redefined and transformed the meaning of social justice in critical periods of the American past. *Credit: 3 semester hours.*

1046 Communication Technology Revolutions, Political Culture and Social Change

This course will study the impact of communication technology revolutions—the original printing press, mass print, film, radio, television, satellite and digital systems—in driving rapid cultural and political change. It will examine the ways in which increasing mass access to information and increasingly mass communicative exchange has altered political landscapes for better

and worse in different historical contexts in the emergence of global society. Particular attention will be devoted to the Internet Age in which the World Wide Web has revolutionized concepts of personal identity, redefined community, driven social change and developed new challenges for democratic institutions. *Credit: 3 semester hours.*

Homeland Security (HLS)

1001 Introduction to Homeland Security

An analysis of various types of investigation and protection organizations, departments and services. (Cf. CRJ 4104.) *Credit: 3 semester hours.*

1002 Legal Issues in Organizational Security

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 Introduction to Organizational Security

An exploration of current problems in loss prevention and business security. *Credit: 3 semester hours.*

1004 Introduction to Emergency Management

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 Homeland Security I

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 Introduction to Intelligence

An analysis of proactive investigative techniques and protective counter measures employed in industry and government to secure trade secrets, classified documents, and confidential information sources. *Credit: 3 semester hours.*

1011 Intelligence Planning, Collection, and Processing

This course will provide a detailed examination of the planning, collection and processing stages of the intelligence process. Key issues addressed will include; planning and direction of collection efforts specifically to meet intelligence requirements, the variety of collection disciplines such as human, technological, and open sources, the methods and means utilized to process data collected into raw intelligence, and the various legal and ethical issues related to the collection of intelligence. *Credit: 3 semester hours.*

1012 Internship in Homeland Security II

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.*

1018 Intelligence Analysis, Production, and Dissemination

This course will provide detailed examination of the analysis, production and dissemination stages of the intelligence process that culminates in finished intelligence. Key issues examined include: Kent's Principles of Analysis, methods of analysis, competitive analysis, writing and organizing analysis into a finished intelligence product, and assessing the value of products through peer-review and feedback. *Credit: 3 semester hours.*

1019 Homeland Security Intelligence and Counter-Terrorism

This course will provide an overview of the role of intelligence in all levels of both the public and private sectors. The need to protect against intelligence intrusions will also be examined. Key issues addressed will include; the domestic and foreign elements of homeland security intelligence; information sharing and cooperation between federal, state and local government, intelligence fusion center, offensive and defensive counterintelligence methods; and the role of the private sector in both a homeland security intelligence enterprise and an operational security system. *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.*

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.

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.*

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.*

1024 Introduction to CBRNE

The prospect of states or other actors such as terrorists unleashing chemical, biological, nuclear, radiological and explosive weapons on a defenseless public is almost too terrifying for most people to consider. Yet, in the past, numerous incidents have occurred. We cannot forget the threats posed by our adversaries. This course seeks to conduct a comparative assessment of the understanding of CBRNE and how they can be used. While much of the specifics of CBRNE weapons doctrine remain within the classified domain and thus beyond the scope of this course, we can outline the primary strategic and tactical factors relating to these weapons. This lesson will introduce strategy and tactics of CBRNE weapons. *Credit: 3 semester hours.*

1025 Border, Transportation, and Maritime Security

Those charged with securing national borders are challenged with the need to facilitate the flow of legitimate trade and travel while also protecting the nation and its people from external threats. Accomplishing this goal requires not just screening individuals and goods, but also securing the global aviation, ground, and maritime transportation networks. The issues addressed in this course will include: the various challenges to border, transportation, and maritime security: an examination of the various related security strategies of these different challenges; the impact of technology; and the roles and responsibilities of various government and private stakeholders. *Credit: 3 semester hours.*

ates 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.*

1026 Comparative Homeland Security

When it comes to protecting the homeland, the United States differs from other countries in legal traditions, political and bureaucratic institutions and policies, and natural and man-made threats it faces. This course seeks to compare and contrast the experiences and practices of other countries when facing homeland security-related issues such as terrorism, pandemics, transnational organized crime, and emergency response. Major practices of these nations will be examined to determine if there are lessons to be learned which can be incorporated into the strategic policies of the United States. *Credit: 3 semester hours.*

1027 International Security Cooperation

Historically, the main security threat facing a particular nation has come from other nation states. Globalization has increased the threat matrix facing a nation state. There has been a shift from nation enemies to natural threats such as pandemics and man-made threats such as those posed by terrorist or other non-state actors. Often these threat types affect multiple countries simultaneously, resulting in a blurring of lines and national borders. This course seeks to examine how various governments, and on occasion non-governmental organizations, utilize instruments of global governance when dealing with threats that are global in nature. *Credit: 3 semester hours.*

1030 Homeland Security Lab I Preparedness and Response

This course uses the Homeland Security Simulation Laboratory with a combination of lecture and case study to identify current or potential threats, and demonstrate innovative, operational procedures, and tactical-level response to all-hazard challenges. *Credit: 3 semester hours.*

1031 Homeland Security Lab 2—Incident Management

Prerequisite: HLS 1030. This course uses the Homeland Security Simulation Laboratory with a combination of lecture and case study to identify current or potential threats, and execute innovative, forward-thinking incident management procedures to counter all-hazard threat challenges. *Credit: 3 semester hours.* 1060 Introduction to Unmanned Aircraft Systems I This course will provide an understanding of the integral components comprising the Unmanned Aerial Vehicles/Systems Industry in the National Airspace System. The student will be introduced to historical, current, and future perspectives of UAV/UAS's and become familiar with drone operations and law This course is for free elective only and cannot be applied to the major area. *Credit: 3 semester hours.*

1090 Selected Topics in Homeland Security

This course is an examination of a selected topic in homeland security. A different topic will be featured each session, enabling students to explore a pressing contemporary issue challenging both homeland security professionals and society at large. Topics for examination will be based upon the instructor's area(s) of expertise. Intersession and pre-session only. *Credit: 3 semester hours.*

1100 Homeland Security Capstone

Homeland Security Capstone provides engagement in a student-centered, content related learning experience that serves as a summary and synthesis of courses in a student's undergraduate academic career. Students select an area of interest related to their academic track and engage in an activity leading to a research project or applied project reflective of comprehensive knowledge gained in undergraduate studies and demonstrate their knowledge of the outcomes of the Bachelor of Science degree. *Credit: 3 semester hours.*

Hospitality Management (HMT)

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 Introduction to Conventions and 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 Special Events 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

Prerequisite: 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

Prerequisites: 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.*

1076 Food Service Operation Management

This course introduces managerial and operational principles for restaurant management. The course also gives students the opportunity to utilize food service operation principles in quantify food preparation and service for food and beverage services. *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.*

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.*

1160 Managing a Bed and Breakfast Inn I

Planning, purchasing, establishing, licensing, marketing, hosting, and managing a bed and breakfast inn are course foci. Selected topics include: defining a bed and breakfast inn/guest house, assessing innkeeper lifestyle, selecting a property/location, writing a business plan, buying a turnkey business or creating a new business, paying taxes, keeping records, decorating, marketing and advertising, networking, defining policies, hosting guests from a personal welcome to farewell, preparing a memorable breakfast and other food amenities, housekeeping, solving problems, providing concierge services, and creating a memorable visit. (Cf. ENT 1010). *Credit: 3 semester hours.*

1165 Establishing and Operating a Bed and Breakfast Inn

Prerequisites: HMT 1000. Create and operate a successful B&B including evaluating a property/physical location; preparing a detailed business plan; assessing the impact of local, state, and federal law and regulation; designing operating policies and procedures, a welcoming exterior, and an interior layout to provide a memorable guest stay and positive personal customer service. The vital role of the owner entrepreneur to the B & B's success. Planning food, writing the marketing plan; integrating community events; strategies for sustaining operations during pandemics and other crises. *Credit: 3 semester hours*

1161 Managing a Bed and Breakfast Inn II

Financial, accounting, employment, human resources, risk management, and legal aspects of Bed and Breakfast management, and legal aspects of Bed and Breakfast management are course foci. Selected topics include complying with laws/regulations, including ADA requirements; preparing for inspections (health, housing, fire, etc.), being properly insured (homeowner's, liability, income replacement, workers' compensation, flood insurance); recruiting, training, retaining staff; hiring independent contractors; minimizing liability risks; documenting accidents/injuries; creating/maintaining accurate accounting/financial records; assessing accounting, reservation software packages; identifying, forecasting, and responding to occupancy challenges and tourism trends; and planning new initiatives (Cf. ENT 1012). *Credit: 3 semester hours.*

2001 Hospitality Management Study Abroad International Internship II

A second HMT international academic internship, that is an unpaid internship, with a hospitality organization in France, Italy, and Spain during a semester abroad. This practical experience will help 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.*

2003 Disney Internship Experience I

This is an experience-based course for students who are accepted to the Disney College Internship Program only, and who successfully complete the program. Students apply directly to Disney for the internship program and should obtain the approval of their academic advisors and dean at St. John's to enroll in St. John's classes so they can receive credits for the Internship experience. Acceptance decisions to the Disney Program, and assignments to internship duties at Disney are made solely by the Disney Corporation. In the internship program, students will learn about hotel and resort operations, customer service, public relations, and other topics related to entertainment sales and services. More information about the Internship program is at DisneyCollegeProgram.com. *Credit: 3 semester hours.*

2004 Disney Internship Experience II

This is an experience-based course for students who are accepted to the Disney College Internship Program only, and who successfully complete the program. Students apply directly to Disney for the internship program and should obtain the approval of their academic advisors and dean at St. John's to enroll in St. John's classes so they can receive credits for the Internship experience. Acceptance decisions to the Disney Program, and assignments to internship duties at Disney are made solely by the Disney Corporation. In the internship program, students will learn about hotel and resort operations, customer service, public relations, and other topics related to entertainment sales and services. More information about the Internship program is at www.DisneyCollegeProgram.com. *Credit: 3 semester hours.*

2005 Hospitality Management Study Abroad International Internship I

HMT students will experience an international academic internship, that is an unpaid internship, with a hospitality organization in France, Italy

and Seville, Spain during a semester abroad. This practical experience will help prepare HMT majors for their professional careers. *Credit: 3 semester hours.*

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.*

2010 Managing & Designing Special Events

Students will be introduced to major concepts and activities that involve planning and purchasing food and beverage items. Students will be introduced to room setups, staffing, budgeting events, negotiating with vendors, contracts and negotiations. *Credit: 3 semester hours.*

2011 and 2012 Tourism/Event Management Internship I and II: Cape May MAC (Museum Art Culture)

Pre-requisite: HMT 1000 and 3 credits from MGT 1000, MGT 1001 or MKT 1001 and permission of program coordinator/director. Cape May MAC is the premier non-profit organization in our Nation's Oldest Seashore Resort, Victorian Cape May, New Jersey. For more than 50 years, Cape May MAC has partnered with area non-profit organizations and for-profit businesses to offer tours, sponsor festivals, organize special events, re-create history, and design exhibits to support tourism and to raise funds for the preservation of local historic sites and structures. The project goal is to assist the Special Events Manager with planning, coordinating, implementing, marketing, and managing at least two special events to support Cape May's tourism industry and potentially to assume coordinator responsibilities for at least one special event. Training in Cape May MAC's history, goals, and operations will be a part of this internship. This is a non-paid on-site internship at Cape May MAC, located at the Emlen Physick Estate, 1048 Washington Street, Cape May, New Jersey 08204. Interns are responsible for their living/housing arrangements. Available summer sessions and fall semester only. *Credit: 3 semester hours.*

2015 Disney Internship Experience III

This is an experience-based course for students who are accepted to the Disney College Internship Program only, and who successfully complete the program. Students apply directly to Disney for the internship program and should obtain the approval of their academic advisors and dean at St. John's to enroll in St. John's classes so they can receive credits for the Internship experience. Acceptance decisions to the Disney Program, and assignments to internship duties at Disney are made solely by the Disney Corporation. In the internship program, students will learn about hotel and resort operations, customer service, public relations, and other topics related to entertainment sales and

services. More information about the Internship program is at DisneyCollegeProgram.com.
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.*

2025 Appreciation of Italian Food, Wine and Culture

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. This course will be taught on the Rome campus. *Credit: 3 semester hours.*

2030 Appreciation of French Food, Wine & Culture

A profile of French history and culture through food and wine. Grapes for producing wines are grown in several regions. Food has been a passion in France. This has led to the development of haute cuisine. Haute cuisine emphasizes complex preparations and carefully crafted presentation to please the eye as well as the palate. Provincial French cooking is less elaborate. Special emphasis will be given to the study of regional cuisine and wines, and their development. This course will be offered to 'study-abroad' students on the Paris Campus. *Credit: 3 semester hours.*

Human Services (HSC)

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 Dimensions of Human Behavior

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

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

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

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 Behavioral Health in the Community Internship

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

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.*

Information Technology (IT)

1011 Information Technology for Business

Principles and concepts of information technology with application to business decision-making. The approach taken in this course will be to cover the development of business goals and initiatives and then to demonstrate how technology supports the realization of these initiatives. Essential concepts in business intelligence, business operations, and business innovation will be covered. *Credit: 3 semester hours.*

1141 User Interface Design and Development

This course focuses on the design of good interfaces founded on interaction design and human-computer interaction discipline. Students are introduced to key theories of human and social cognition for their application to interface design. The proposed design methodology is framed within a design-thinking framework and inspired to humanistic design approaches (Positive Computing, Inclusive Design). Students are required to design the interaction component of a real-world computing application. The focus of the project will be on digital applications for learning in order to a) orient interaction design towards users' betterment and wellbeing, b) help students improve their design skills through a deeper understanding of how users process information when learning how an unfamiliar technology works. *Credit: 3 semester hours.*

1166: Secure Software Development

Prerequisites: CUS 1116. A focus on foundational and advanced topics for building secure software by applying security principles to the software development lifecycle. Students will be equipped with practical skills required for developing and testing for secure software based on user requirements, while also learning security fundamentals from real world case studies. *Credit: 3 semester hours.*

1175 Database Information Systems

Introduction to database management systems, focusing on relational DBMSs. Students will learn query and update languages, database administration, database security and integrity, database design, and the role of database systems in organizations. *Credit: 3 semester hours.*

Journalism (JOU)

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

Prerequisites: 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.

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. (Cf. COM 2201) 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. (Cf. COM 2204) Laboratory fee: \$30. 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. It provides students with a writing foundation that is expanded upon in JOU 3312 (Advanced Reporting and Writing for Television and Radio) and JOU 4702 (Practicum II: TV and Radio.). Credit: 3 semester hours.

2313 Podcasting and Innovative Journalism Trends

Prerequisites: JOU 1000. An examination of innovative techniques in the production, presentation, and distribution of journalism. New methods of connecting with news consumers like the growth of podcasts and the entrepreneurial development of newsletters through websites like Substack, Ghost and Revue will be analyzed for their success and potential. Students will apply and practice the skills and attributes to write, report and produce news on these trending platforms. 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, broadcast and online media. 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 writing critical reviews. 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 Print Journalism Practicum

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 Broadcast News Reporting Practicum

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.

4703 Applying Journalism Principles and Skills

Prerequisites: JOU 3301 or 3312. An examination of the application of the principles and skills of journalism. Students will learn the skills and knowledge necessary to work in multiple media including print, online and broadcast on a weekly basis. Research and observation to find stories to cover, collect elements for those stories, report on and write those stories for publication, posting or broadcast, and then correcting those stories applying professional journalism will be regular requirements. Proper techniques for story coverage and analysis of stories submitted will be examined along with how stories were crafted and how the class work meets journalistic standards. Reviews of case studies and trends in journalism will engage students in critical thinking on professional actions and the future of this discipline. *Credit:* 3 semester hours.

5001, 5002, 5003, 5004 Journalism Internship

Prerequisite: Permission of the Director
Credit: 3 semester hours each.

6100 Introduction to Media: Journalism

An overview of journalism, its history, the interplay of technology with journalism, the skills needed by journalists and applying practices of reporting, writing and storytelling. For non-matriculated students and by program director's permission only. *Credit:* 3 semester hours.

Legal Studies (LES)

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. Students will be introduced to foundational concepts in the pre-trial civil litigation process, including jurisdiction, venue, complaints, service, responding to a complaint, motions to dismiss, discovery and summary judgment. And, students will read and work with statutes, court rules and court documents relevant to such concepts. *Credit:* 3 semester hours.

1005 Legal Studies Internship I

Prerequisites: LES 1100, LES 1101, LES 1102 and permission of the Director. An internship: a supervised practical learning experience in a legal environment. *Credit:* 3 semester hours.

1006 Legal Studies Internship II

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.

1009 Legal Research and Writing III

Prerequisites: LES 1100, LES 1101 and LES 1102. Under the close supervision and guidance of a legal studies faculty member, students will conduct in-depth research on a contemporary legal issue and write a detailed research paper on that topic. Over the course of the semester, students will be required to research their chosen legal issue, outline their research and draft and edit their paper. During class sessions, the professor will reinforce effective legal research techniques, the class will discuss the research and writing processes and the professor will meet with students on an individual basis to discuss their research and writing. *Credit:* 3 semester hours.

1010 Probate and Estate Administration

Prerequisite: LES 1100. Understanding the means and processes involved in the transmission of personally controlled wealth after death. *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. *LES 1011 and LES 1012 together count as 77 credit hours toward 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. *LES 1011 and LES 1012 together count as 77 credit hours toward a New York State Real Estate Salesperson's license.

1013 Bankruptcy and Debtor—Creditor Practice

Prerequisite: LES 1100. An introduction to the area of debtor and credit law and bankruptcy, with particular attention to the different types of bankruptcy proceedings under the Bankruptcy Code. *Credit:* 3 semester hours.

1014 Insurance Law

Prerequisite: LES 1100. 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

Pre-requisite: LES 1100. Students will be introduced to the rules governing the ethical practice of law by lawyers and paralegals, including the rules regarding confidentiality, the unauthorized practice of the law, conflicts of interest, attorney advertisements, the client retention process and the handling of client funds. Student will work with relevant statutes and rules, including the New York Rules of Professional Conduct. *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. *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.

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.

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.

1040 Trial and Appellate Advocacy

Prerequisite: LES 1100. 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.*

1042 Social Justice Advocacy

Prerequisite: LES 1100. 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.*

1100 Introduction to Legal Studies.

Students will read primary legal texts, including statutes and cases. Students will begin to develop their ability to conduct legal analyses—to identify relevant facts, to identify relevant laws and to apply laws to facts. Students will begin to develop their ability to effectively communicate such analyses in writing. Students will learn the basic structure of the U.S. and New York State court systems. Students will be introduced to various areas of substantive and procedural law. And, students will be introduced to the use of legal research databases. *Credit: 3 semester hours.*

1101 Legal Research and Writing I

Pre-requisite LES 1100. Students will analyze legal problems, will report on legal sources in writing, will apply legal sources to legal problems in writing, and will work on improving their writing process. Students will learn how to cite cases, how to cite statutes and how to quote from such sources. Students will learn the basic legal research skill of finding legal texts using citations. *Credit 3 semester hours.*

1102 Legal Research and Writing II

Pre-requisite LES 1101. Students will learn how to independently find relevant legal sources and to verify the continued validity of such sources. Students will also continue to develop their ability to perform a legal analysis and to effectively communicate such analysis in writing. *Credit 3 semester hours.*

1104 Independent Study: Topics in Legal Studies

Prerequisites: LES 1100, LES 1101, LES 1102. Under the close supervision and guidance of a legal studies faculty member, students will research, in depth, a legal issue and prepare a research paper on that topic. Students should have considered a research topic prior to seeking permission to register for the course. *Credit: 3 semester hours.*

1105 Selected Topics in Legal Studies

This course will give students the opportunity to explore, in depth, selected legal topic(s). The topic for each course will be announced at the time of registration. *Credit: 3 semester hours.*

1106 Reading and Applying Corporate Contracts

Prerequisites: LES 1100, LES 1101. Students will closely review and apply typical corporate contracts for the purpose of answering the kinds of questions that entry-level professionals are often asked to answer in practice. Such contracts may include incorporation documents, bylaws, commercial loan agreements, commercial leases, employment agreements and plans, commercial vendor agreements, purchase and sale agreement, confidentiality agreements and commercial license agreements, among others. Attention also will be paid to those contractual provisions and principles of contract law of particular relevance to entry-level professionals, including notice provisions, exculpatory provisions, choice of law clauses, forum selection clauses, merger and integration clauses and the parole evidence rule. *Credit: 3 semester hours.*

1107 Constitutional Law

Prerequisites: CRJ 2000 or HLS 1001 or HLS 1003 or LES 1100. This course offers a survey level examination of the U.S. Constitution. The history, organization, and authority of the U.S. Government, constitutional civil liberties, and other limitations on governmental powers are discussed. Emphasis is placed upon U.S. Supreme Court decisions. Contemporary constitutional issues, particularly those affecting homeland security, and the criminal justice system are discussed. (Cf. CRJ 3122). *Credit 3 semester hours.*

1108 Ron Brown Prep I

This is a course for students who are accepted to the Ronald Brown "Prep Program Foundations" or to the Ronald Brown "Prep Program I," and who successfully complete such Program. Students apply directly to the Ron Brown Prep Program. Acceptance decisions to the Ron Brown Program, and assignments and internship duties as part of the Program are made solely by the Ron Brown Program. In "Prep Program Foundations" and in "Prep Program I," students will complete coursework in the law and will complete a legal internship. *Credit: 3 semester hours.*

1109 Ron Brown Prep II

This is a course for students who are accepted to the Ronald Brown "Prep Program Foundations" or to the Ronald Brown "Prep Program I," and who successfully complete such Program. Students apply directly to the Ron Brown Prep Program. Acceptance decisions to the Ron Brown Program, and assignments and internship duties as part of the Program are made solely by the Ron Brown Program. In "Prep Program Foundations" and in "Prep Program I," students will complete coursework in the law and will complete a legal internship. *Credit: 3 semester hours.*

1110 Ron Brown Prep III

This is a course for students who are accepted to the Ronald Brown "Prep Program Foundations" or

to the Ronald Brown "Prep Program I," and who successfully complete such Program. Students apply directly to the Ron Brown Prep Program. Acceptance decisions to the Ron Brown Program, and assignments and internship duties as part of the Program are made solely by the Ron Brown Program. In "Prep Program Foundations" and in "Prep Program I," students will complete coursework in the law and will complete a legal internship. *Credit: 3 semester hours.*

1111 NSLT Certification.

This is a course for students who complete the National Society for Legal Technology Certification. Students work directly with the National Society for Legal Technology to complete their certification. Decisions with respect to available technology modules and assignments and assessments within such modules are made solely by the National Society for Legal Technology. Completing the National Society for Legal Technology certification, students will be instructed in the use of law office technology, including document management software, electronic discovery software and legal billing and time tracking software. *Credit: 3 semester hours.*

Liberal Studies

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)

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

Prerequisites: 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 life-styles; and exploring current trends in the issue of job discrimination and the restructuring of organizations. *Credit: 3 semester hours.*

1026 New Venture Initiative

Prerequisites: MGT 1000 or 1001, MKT 1001. Introduces the challenges and opportunities/risks in starting a business, including research-ing 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)*

1070 Management Aspects of the Fashion Industry

Examines the management of the fashion production process, the small and large organizations through which the industry creates, produces and changes fashion, and the human resource management process used to employ and manage fashion industry employees. *(Cf. FAS 1070) Credit: 3 semester hours.*

1075 Introduction to Fashion and Fashion Industry Careers

An introduction to the basics of the Fashion Industry and career opportunities within the industry. The course will include the industry's organization within the U.S. and its organization globally. It will also include global sourcing,

product trends, product forecasting, product line development, and related product-to-market delivery. The student will also learn about the Primary Level of Fashion, materials and textiles, and the Secondary Level of Fashion, design and production. *(Cf. FAS 1075) Credit: 3 semester hours.*

1076 Fashion Entrepreneurship and e-Technology

Introduces students to the various components and concepts of a business plan, financial planning and e-Technology. Students will assess and apply practices and procedures involved with a fashion retail business from a practical, real-world approach. *(Cf. FAS 1076 and ENT 1076). Credit: 3 semester hours.*

1077 African American Business Leaders in United States History

Prerequisites: MGT 1000 or MGT 1001 or MKT 1001 or BLW 1001 or ECO 1001 or 1002.

An examination of business organizations developed by African American business leaders in the United States and their successes and contributions to business historically and today. *Credit: 3 semester hours.*

2001 Eye on Washington—Managing the Federal Government

The powerful federal administrative agencies, most of which operate under the supervision of the executive branch, are the main focus of this course. This course provides students with an understanding of the rule, authority and contribution that agencies make to the managing of the government and the nation. *Prerequisites: None. Open to two-year and four-year students. Credit: 3 semester hours.*

2002 Fredrick Douglass: Profile in Leadership

Frederick Douglass's life is a blueprint for extraordinary leadership from achieving freedom to becoming a national leader to counseling American presidents. Armed with literacy (mostly self-taught), his religious beliefs, and a keen intellect, Douglass freed himself from enslavement and became noted as an abolitionist, prolific writer, dynamic speaker, civil rights activist, diplomat, and counselor to five American presidents. Douglass's leadership traits, behaviors, and successes will be analyzed and assessed against Douglass's evolving leadership styles using historic theories, for example, Great Man, heroic man theory, trait theory, and more current styles, such as transformative leadership, visionary leadership, servant leadership, Steven Covey's Leadership principles, and more. *Credit: 3 semester hours.*

2003: Management and the Underground Railroad

This course focuses on the important management principles and the operations of the successful Underground Railroad which these principles guided. The Underground Railroad is a storied part of American History. This heroic outcome required the efforts of brave American conductors who guided runaway enslaved people along prearranged routes. This freedom operation survived and thrived because of bravery, commitment, cunning, versatility, and the application of sound management principles to

planning, organizing, leading, and controlling this vital entrepreneurial enterprise. *Credit: 3 semester hours.*

2008 Managing Inclusivity at Work:
Prerequisites: MGT 1000 or MGT 1001

Building on the topics of managing human resources, and managing a diverse workforce, introduced in Management Principles course (MGT 1001), students learn about the role managers have in creating and managing inclusive work teams. Today, principles of inclusivity apply to people in classrooms, clubs, businesses, and non-profit organizations. Managers need to help organization members feel welcomed and included so they can safely contribute their skills and talents in the workplace without hesitation or fear. *Credit: 3 semester hours.*

5000 Business Internship: (Museum Art Culture)

Prerequisites: ACC 1007 and 3 credits from MGT 1000, MGT 1001 or MKT 1001 and permission of program coordinator/director. Cape May MAC is the premier non-profit organization in our Nation's Oldest Seashore Resort, Victorian Cape May, New Jersey. For more than 50 years, Cape May MAC has partnered with area non-profit organizations and for-profit businesses to offer tours, sponsor festivals, organize special events, re-create history, and design exhibits to support tourism and to raise funds for the preservation of local historic sites and structures. The project goal is to create combined spreadsheets with information pulled from a finance database software system (SAGE) and place it in a manipulative format (Excel). The data would be both Tour Operations and Special Events/Visitors Services information. Training in SAGE will be a part of this remote internship. The internship will introduce students to the use of data in short- and long-term planning. This is a non-paid remote internship. Student interns may visit Cape May MAC, but there is no requirement to do so. *Credit: 3 semester hours.*

Marketing (MKT)

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)*

1015 Introduction to Fashion/Lifestyle Branding

An introduction to the fundamentals of branding and its placement in the fashion/lifestyle industry. A review of the fashion products' ability to sustain its place in the market by an understanding of the value added promise as part of the branding process. The sustainability of products in both our local and global environment is at the heart of the importance of the value of the brand ownership and brand reputation of product name and image. A review of current brand products and how brands are developed into "Lifestyle Brand Products," will be part of the focus of this course. A review of the challenges placed on brands especially in the global marketplace will indicate the importance of a well developed and managed brand strategy. (Cf. FAS 1015) *Credit: 3 semester hours.*

1020 International Distribution: Marketing Strategies

Prerequisite: MKT 1001. A survey of how products and services are distributed internationally. A comparison of the methods and systems of product development, assessment, acceptance and distribution in relation to the product life cycle. Emphasis on the application of basic marketing principles to the international environment and specific marketing situations. *Credit: 3 semester hours.*

Mathematics (MTH)

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.*

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 or 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)

1022 Discrete Mathematics

Introduction to the concepts of discrete (abstract) structures of computer science including an introduction to logic, proofs, sets, relations, functions, counting, and probability, with an emphasis on applications in computer science. *Credit: 3 semester hours.*

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.*

Military Science (MSC)

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

Learn basic military concepts. 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 Effective 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.*

ADVANCED COURSES

Require Departmental approval.

MSC 31 Advanced Leadership and Management Techniques

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. *3 semester hours.*

MSC 32 Advanced Land Navigation and Small Unit Tactics

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 Military Ethics and Training Management

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.*

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: MSC 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 Duties of a Junior Military Science Officer and Military Justice

Prerequisites: 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 Thursday. *Credit: 2 semester hours.*

Networking Systems

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 Introduction to Networks

An overview of the most important topics in TCP/IP networking including terminology, concepts and protocols; how networking devices send data over Ethernet LANS; fundamentals of wide area networks (WANS); fundamentals of addressing and routing and the TCP/IP transport and application networking functions. *Credit: 3 semester hours.*

1015 Routing and Switching Essentials

Prerequisite: NET 1011. An introduction to router concepts and terminology including configuring routers and switches; also includes virtual LANS, subnetting, routing protocols, routing table entries and IP addressing. *Credit: 3 semester hours.*

1021 Scaling Networks

Prerequisite: NET 1015. Advanced switch configuration, switching protocols and troubleshooting; the OSPF and EIGRP routing protocols; designing home and small business networks including switches, routers, configurations and allocation of IP addresses. *Credit: 3 semester hours.*

1025 Connecting Networks

Prerequisite: NET 1015. Wide Area Networking (WAN) concepts including the different types of

connections such as Point-to-Point, Multipoint and Mesh networks; the Frame Relay and HDLC protocols as well as IPv6 addressing; also covers the management of networking devices, managing the IOS operating system and back-up and recovery of network files. *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 concepts, management and administration, and network security. Physical components, network services and troubleshooting are also treated in depth. 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 internetwork 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.*

1061 Advanced Routing I

Study of Cisco router connectivity in LANs and WANs at medium-to-large network sites, and the methodology for selection and implementation of Cisco IOS services for building scalable, routed networks. Topics include: basic network and routing protocol principles; introduction of both IPv4 and IPv6; review of EIGRP, OSPF, and BGP; exploration of enterprise Internet connectivity; discussion of routing updates and path control; and presentation of today's router security best practices. *Credit: 3 semester hours.*

1062 Advanced Switching II

Prerequisite NET 1061. The study of the design and architecture of switched networks through key technologies vital to implementing a robust campus network. Students will learn, step-by-step commands for configuring Cisco switches to control and scale complex switched networks. The course covers the International Standards Organization Model Level 2 (the data link layer at which switches operate), infrastructure security and infrastructure services. The focus of the course is on the network switch including its place and function in the network, how to configure or program the switch

and how to design networks utilizing the switch's functionality, efficiencies and security features. *Credit: 3 semester hours.*

1063 Advanced Network Troubleshooting

Prerequisite: NET 1062: Development of a structured troubleshooting approach and a solid network maintenance plan as a key component of network design. We identify many popular models, structures, and tasks that should be considered by all organizations. A discussion of protocols, concepts, configuration, and troubleshooting strategies will be included for each model. The focus is on developing methodologies for troubleshooting advanced routing and switching networks. This will include the use of Cisco IOS tools and features designed for network maintenance and troubleshooting. *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)

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

Prerequisite: 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)

1500 Photography and Society

This course examines photography's cultural, psychological and ethical impact. Since the nineteenth century, photography has changed the structure of society from how we perceive war to our own memories. The masters as well as the evolution of photography from historical document to art object to Instagram will be explored as a way of investigating how the photograph has (and continues to) shape attitudes. *Credit: 3 semester hours.*

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)

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)

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.*

Popular Culture (PCU)

1001 Pop Culture in the Modern World

This course explores the importance of popular culture in the contemporary world. The course will define popular culture; study the intersection between everyday life, mass media, politics and popular culture; consider the effects of popular culture on identity and self-identification; study fan culture, scenes, and countercultures; analyze the production, consumption, and dissemination of popular culture; and introduce students to theories on popular culture. The course will discuss a range of popular culture media, genre, trends, products, representations, and expressions in their cultural, political, historical and/or economic contexts. An understanding of how popular culture forms develop and trend is crucial to many majors. Like no other time in history, popular culture has developed into an influential force shaping individual and global thought and becoming a global economic force. *Credit: 3 semester hours.*

1020 The Soundscape of American Popular Culture

Examines the pop cultural landscape through the perspective of sound. In addition to a variety of musical genres, other representations of sound will be explored. These will include voices of activism and protest, comedy and drama, and performance art among others. Intersession and pre-session only. *Credit: 3 semester hours.*

Psychology (PSY)

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.

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)

2100 Principles of Public Relations

Prerequisite: COM 1001. 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

Prerequisite: PRL 2100. 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, backrounders, 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

Prerequisite: PRL 2100. 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

Prerequisite: PRL 3400. 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.*

3403 Special Topics

Prerequisite PRL 2100. This course will examine prevailing issues of importance in Public Relations. Specific topics will vary and will be based on current industry issues. *Credit: 3 semester hours.*

3404 Crisis Communication

Prerequisites: PRL 2100. Interdisciplinary approach is used (public relations, reputation management, disaster/crisis informatics, rhetoric) to emphasize the role of communication in conveying critical information in a timely and ethical manner that resonate with their target audience(s). *Credit: 3 semester hours.*

4600 Seminar in Public Relations Campaigns

Prerequisite: PRL 3400. 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

Prerequisites: PRL 2100 and PRL 2301. 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, résumé, 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.*

4602 National Public Relations Competition I

Prerequisites: PRL 2100 and permission of the Program Coordinator. Students will engage in hands-on creation, execution, presentation, and evaluation of a public relations campaign within the context of the Public Relations Student Society of American Bateman Competition. Students will perform all the functions of a public relations agency. *Credit:* 3 semester hours.

4603 National Public Relations Competition II

Prerequisites: PRL 4602 and permission of the Program Coordinator. Students will engage in hands-on creation, execution, presentation, and evaluation of a public relations campaign within the context of the Public Relations Student Society of American Bateman Competition. Students will perform all the functions of a public relations agency. *Credit:* 3 semester hours.

Sociology (SOC)

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)

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)

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.*

1551 Opportunities in Sport for Athletes, Managers and Coaches

Designed to provide an in-depth understanding and appreciation of the multitude of sport issues facing students, athletes, sport managers and coaches, in addition to an overview of how to manage and capitalize on current and future prospects both within and outside of sport. The course will introduce current issues facing current and future athletes, sport managers and coaches, while also paying particular attention to arising opportunities in sport, business, entertainment and beyond. *Credit: 3 semester hours.*

1552 Diversity, Equity, and Inclusion in Sport

Multifaceted issues and perspectives on the past, present and future interactions between sport and diversity, equity and inclusion in society will be examined. Emphasis is placed on examinations of sport-focused topics including social justice, equality, sustainability, tolerance, bias, discrimination and inclusivity, and their connection and overlap with gender, racial, ethnic, age, sexual orientation, religious, disability and other types of issues faced by marginalized individuals and groups (e.g., athletes, teams, and sport organizations). *Credit: 3 semester hours.*

2000A International Sport Management: The Emergence of Modern Sport (Study Abroad Course)

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 may apply.

2001 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.*

2002A Strategic Thinking in the Management of Sport (Study Abroad Course)

This course explores the basic concepts of strategic business management as they relate to sport organizations. Students will be exposed to various methods of strategic planning and measuring organizational effectiveness. Attention will be focused on the differences between the North American and European models of sport. Study abroad course –additional fees may apply. *Credit 3 semester hours.*

2003 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.*

2005 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.*

2551 Sport History

An exploration of the history of sport through the medium of film. The course recognizes the need for history to compete with the popular media and culture for the attention of students and takes advantage of the popularity of film. Using classics as well as documentaries the course provides examples how sports have changed over the years and makes clear the importance of historical perspectives in understanding the existing sport governing system domestically as well as internationally. *Credit: 3 semester hours.*

2552 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.*

2553 Sports, Culture and Society

Prerequisites: SPM 1001. Focuses on sport from the perspectives of inequality, political economy, and cultural studies. In this course, students will develop the knowledge and skills necessary to engage with 21st century sport at a mature level. The focus of this course is to aid students in understanding how they can better understand how sport interfaces with the previously mentioned aspects of Western society. Throughout this course, students will be compelled to reflect on how modern sport resolves into their day-to-day lives and experiences. *Credit: 3 semester hours.*

2999 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.*

3001 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.*

3003 The Economics of Sport

Prerequisite: ECO 1001
A study of contemporary sports using an economic approach. Issues including the wages of professional athletes, the impact of competitive balance on team profits, the alleged exploitation of student-athletes, and the pricing of television rights are subjected to economic analysis. Public policy issues such as antitrust legislation and the public financing of arenas and stadiums are also examined. *Credit: 3 semester hours.*

3551 Social Media in Sport

An examination of how social media affects sport. Students will learn to critically analyze and develop social media strategies using a variety of online applications. Related theory and best practices will establish how social media influences media professionals and their various stakeholders while enhancing students' own digital literacies. *Credit: 3 semester hours.*

3552 Administration and Management of Intercollegiate

Athletics The focus of this course is on understanding how intercollegiate athletics are managed and opportunities and challenges are faced and overcome. Students will develop an understanding of the issues facing collegiate sport programs and the knowledge and skills necessary to work in these programs. *Credit: 3 semester hours.*

3553 Strategic Management in Sport

A survey of the basic concepts of strategic management as they relate to the sport industry. Topics include strategic planning, decision

making, measuring organizational effectiveness, technological adaptation, effective leadership, and managing change. *Credit: 3 semester hours.*

3991 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.*

3992 Health Sciences Applied to Coaching

This course is an overview of health sciences applied to sport/anatomy, exercise physiology, and sport psychology. The physical conditioning of athletes, pharmacology in sports, use of licit and illicit drugs; prevention and care of athletic injuries, therapeutic modalities, and sport nutrition are also examined. *Credit: 3 semester hours.*

3993 Theories and Techniques of Effective Coaching

Examines the theoretical perspectives and assorted concepts related to coaching in a variety of settings, including primary and secondary school, colleges and recreation programs. Specific topics considered will be performance skills, technical information, and effective organization and management practices. The 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 development of New York State interscholastic athletics. *Credit: 3 semester hours.*

3999 Introduction to Professional Tennis Management

Stakeholders and events in the tennis ecosystem, career pathways and experiences, the challenges, and opportunities of working in the industry, and the management and operations of grassroots community programs to premier international events in the world like the US Open will all be explored. Important concepts, activities and experiential learning opportunities such as the management of tennis programs and events, player development, the use and integration of tennis' American Development Model for athletes, and athlete-centered coaching strategies will also be examined. *Credit: 3 semester hours.*

4001 Seminar in Sport Administration

Prerequisite: SPM 1004, and senior status. 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.*

4551 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-profit organizations are examined. *Credit: 3 semester hours.*

4552 Sport Sales Sponsorship and Revenue Generation

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.*

4553 Sports Analytics

Examines the theory, development, management, practices and applications of analytics in sports. Students will learn about how sports analytics are practiced at various levels (ranging from coaches and athletes to paid sports analysts), used and managed within sports organizations, and applied by various stakeholders (fans, players, coaches, management/ownership, and league officials). *Credit: 3 semester hours.*

4554 E-Sport Administration and Management

Examines the history, development, management and operations of e-sports. In this course, the metamorphosis of e-sports from video games played by individuals to multi-million dollar prizewinning events where individuals and teams of players are connected through online/electronic mediums is examined. The focus of this course is to aid students in understanding the challenges and issues with managing e-sports players, teams and competitions as a sustainable sector of the sport industry. *Credit: 3 semester hours.*

4555 Sports Risk Management

The practical aspects of sport law and risk management are surveyed in this class. Students will develop practical knowledge and skills necessary to recognize, reduce and manage potentially dangerous situations in sport environments. This course will provide students with opportunities to study specific risk management theories to mitigate risk and potential liability (e.g., negligence) facing sport organizations. *Credit: 3 semester hours.*

4991 Special Topics in Sport Management

Focused on special topics impacting those working and participating in sports. In this course, students will develop knowledge of numerous potential topics and issues in the sport industry. The focus of this course is on introducing and educating students about important opportunities and challenges frequently arising in the sport industry. *Credit: 3 semester hours.*

4992 Special Topics

An in-depth analysis of selected topics in international sport. A different topic will be examined each semester when the course is offered as part of the Dean's International

Initiative Program. An intensive cross-cultural experience in international sport will be offered during the one week stay on Rome Campus. This includes educational tours to international sport organizations, facilities, institutions of higher education, and sporting events to enhance students' understanding of international sport governance and operational practices. The international experience will be combined with a semester long in class analysis of pressing contemporary issues challenging both the field of sport management and society at large. *Credit: 3 semester hours.*

5001 Sport Management Independent Study

Prerequisites: SPM 1001 and SPM 1004, cumulative GPA of 3.0 and Permission of Program Director. A planned program of independent study designated for study and research in an area of Sport Management. Under the supervision of a faculty member, a student will work on a particular topic or creative project. Independent studies are graded courses, the details of which are formulated by the student and his or her instructor; these specifics are described in the Independent Study proposal and submitted to the Chair's Office for approval. *Credit: 3 semester hours.*

5101 Practicum in Athletic Coaching

Prerequisite: Permission of Chair or Program Director. Field experience as a sport coach with a sport organization under the supervision of a faculty member to develop knowledge and skills in the application of the principles and practices of sport coaching in a non-classroom setting. *Credit: 3 semester hours.*

5111, 5112, 5113, 5114 Sport Management Internship

Prerequisites: Permission of Program Director. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 1 semester hour.*

5333, 5334, 5335, 5336, 5337, 3558 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. *Credit: 3 semester hours.*

5666 Internship in Sport Management

For description see SPM 1301. *Credit: 6 semester hours.*

5999 Internship in Sport Management For description, please see SPM 1301.

Credit: 9 semester hours.

Television and Film (TVF)

1200 Introduction to Production

Required for all production series classes. 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.

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.*

1512 American Film of the Independent Era: 1960-1990

An examination of the American motion picture industry from the late 1960s, the era of non-studio financing of feature films, to the reconstitution of the studio structure in the late 1980s–early 1990s. Film is studied as a “popular art” with emphasis placed on its formal aesthetic development and its thematic connections with American society at the time. *Credit: 3 semester hours.*

2201 Editing Adobe Premiere

Prerequisite: TVF 1200. A hands-on workshop, introducing a non-linear editing system, Adobe Premiere, that is used in various professional settings. Students will learn the equipment, procedures and techniques of editing while using this non linear editing application. Each class will be a combination of theory and practice. Students will learn to master this craft by a combination of in-class demonstrations and by completing their own projects. *Laboratory fee: \$30. Credit: 3 semester hours.*

2202 On Camera Presentation

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: 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: 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.*

2205 Digital Cinematography

Prerequisite: TVF 1200, TVF (2201 or 2203 or 2004) and TVF 2205. A hands-on camera craft workshop that provides a practical approach and technical knowledge as well as visual aesthetics of shooting with digital video cameras. Students will explore and master complex digital equipment,

software and workflows while also deepening their understanding of classical cinematography. *Laboratory fee: \$30. Credit: 3 semester hours.*

2207 Introduction to Motion Picture Graphics and Animation

Prerequisite: TVF 1200. 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.*

2210 Animation 2-D

Prerequisites: TVF 1200 and TVF 2207. Students learn fundamentals of 2-D animation, content development in animation and new design concepts utilizing current animation software. *Credit: 3 semester hours.*

2211 3D MODELING 1

Creates realistic 3D assets for high-end visual effects in film and TV commercials. Students will learn various professional approaches, such as NURBS (Non-uniform rational basis spline) and Polygon 3D modeling methods to create realistic 3D models. It will also cover lighting, texturing, essential camera movement, assets rendering, and positioning cameras in 3D scenes. Students will learn to embed professional 3D production pipelines and workflows concepts in film production. *Credit: 3 semester hours.*

2220 Introduction to Character Design and Animation

Prerequisites: TVF 1200 and TVF 2207. A project based class that teaches how to conceive, develop and model an animated character with a personality, and a range of body and facial expressions. Lectures and labs will focus on modeling base characters with an emphasis on students designing and creating 2D and 3D animated characters for film, television and multimedia. *Credit: 3 semester hours.*

2221 Introduction to Environment Design in Animation

Prerequisites: TVF 1200 and TVF 2207 Lectures and labs will focus on the creation of environments in animation with emphasis on the principles of environment design in it relation to the scenario of a narrative-based animation. There will be a firm focus on concept, research and execution of the final design within a chosen genre of storytelling. *Credit: 3 semester hours.*

2230 Sound: Production and Post

Prerequisite: TVF 1230. This is a hands-on workshop combined with lectures and demonstrations intended to introduce students to the science and art of audio recording during film and television productions, post-production sound design and mixing. Students will learn the basic skills necessary to record, edit, mix, and output synchronized sound for film and television using Pro Tools software application. *Laboratory fee: \$30. Credit: 3 semester hours.*

2301 Screenwriting: Television

Prerequisites: 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

Prerequisites: 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

Prerequisites: 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: COM 1001. An examination of the electronic and digital technologies of mass media. Topics include technological background of broadcast, broadcast, satellite, computers, fiber optics, and digital television. *Credit: 3 semester hours.*

2510 Production Design and Art Direction

Using film and television studios in New York City, the role of production design and art direction in film and television will be examined. *Laboratory fee: \$30. Credit: 3 semester hours.*

3200 Television Production II

Prerequisites: TVF 2201 and (2203 or 2204). 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

Prerequisites: TVF 2205 and TVF (2201 or 2203 or 2204). A production class covering the conception, pre-production, production and post-production of the documentary form. *Laboratory fee: \$30. Credit: 3 semester hours.*

3204 Television Field Production

Prerequisites: TVF 2205 and TVF (2203 or 2204). 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.*

3205 Narrative Production

Prerequisites: TVF 2205 and TVF (2201 or 2203 or 2204). A studio course introducing the problems and procedures of writing, producing, directing, and editing one-camera fiction video. *Laboratory fee: \$30. Credit: 3 semester hours.*

3206 Advertising Commercial Production

Prerequisites: TVF 2205 and TVF (2201 or 2203 or 2204). A studio course introducing the problems and procedures of writing, producing, directing, and editing one-camera advertising videos (television and internet commercial). *Credit: 3 semester hours.*

3207 Film Compositing

This course is designed to create advanced compositing projects using motion graphics, visual effects and chroma-key live action shots that meet the demands of television and film industry productions. Refining mattes, keying and tracking techniques, roto-brush, paint and cloning tools and mastering digital image processing for color finishing film/video of final projects are covered. Cf. COM 4281. *Credit: 3 semester hours.*

3211 3D Animation

Learn professional approaches and principles of 3D animation. Students will be trained as entry-level 3D animators for film and high-end TV commercials and also build a solid foundation for 3D game productions. The course will underline 3D animation principles and will learn hard and soft skills required by the relevant industries. *Credit: 3 semester hours.*

3208 Film Visual Effects Principles

Prerequisite: TVF 2207. Film visual effects is a discipline that requires comprehensive knowledge and skills in a variety of areas and subjects. To fully understand this field and the job prospects, students at the university level need a greater awareness of appropriate knowledge and skills which can equip them for a career in this industry. This course is designed and focused on building the professional understanding of the visual effects industry and its standard and demands. VFX Principles course will cover a series of lectures and workshops and real-world VFX production examples for film and high-end TV commercials, and students will gain an in-depth understanding at all stages of VFX for film and high-end TV commercial productions and furthermore prepare skills and knowledge required by potential VFX facilities. *Credit: 3 semester hours.*

3220 Film Production

Prerequisites: TVF 2205 and TVF (2201 or 2203 or 2204). 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.*

3295 Advanced Graphics

Prerequisite: TVF 2207. 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.*

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

Prerequisites: 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 1200 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

Prerequisites: TVF 2200 (or 3203 or 3204 or 3205 or 3206) and TVF (2203 or 2204). 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

Prerequisites: TVF 3200 and TVF (2201 or 2203 or 2204) 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.*

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. *Laboratory fee: \$30. 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. *Laboratory fee: \$30. 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.*

4707 Television Practicum

Prerequisites: TVF (2200 or 3200) and (2201 or 2203

or 2204). A laboratory course, supplemented by lecture, offering students practical hands-on experience and technical knowledge in the production of iptv through live streaming or recording of on-campus multi-camera sports events and interviews. *Credit: 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.*

6100 Introduction to Media: Television and Film

An introduction to the problems and procedures of a single camera production, in television and/or film industries, with an emphasis on the basics of camera work, interviewing techniques, editing, sound design and motion graphics. For non-matriculated students and by program director's permission only. *Credit: 3 semester hours.*

Theology (THE)

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.

1000 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 Deuteronomistic 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.*

1021 The Historical Jesus: Quest, Methods and Conclusions

Prerequisite: THE 1000C. An introduction to the recent search, methodology and conclusions in

the quest for the historical Jesus. The course will outline the three phases in the modern quest, referencing and evaluating the methodologies implied by each phase, and evaluating the proposed conclusions. The relationship between the historical Jesus and the Christ of faith will be foundational in the analysis of the quest. *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.*

1043: Ecology and Environmental Ethics

Prerequisites: THE 1000C. An examination of the theologies of the environment within Christianity and the world religions. The course will also discuss moral responsibility regarding the environment and will draw on the history and ethical practices of the various religious traditions to articulate an appropriate ecological theology and praxis. *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.*

1056 Introduction to Hinduism

An introduction to the Hindu religious traditions of South Asia. It will survey the philosophical, theological and ethical teachings of Vaishnavism, Shaivism and Shaktism and the role of ritual, contemplation and renunciation. Special attention will be given to the sacred text of the Bhagavad Gita. The impact of colonialism on India, the emergence of transnational Hinduism, and the Hindu relationship with modernity and the Western world will also be discussed. *Credit: 3 semester hours.*

1060 Introduction to Buddhism

Prerequisites: THE 1000C. An introduction to Buddhism. It will survey the philosophical, theological and ethical principles of the main traditions of Buddhism and the role of ritual, contemplation and renunciation. Diversity within Buddhism will be noted within its manifestation in South East and East Asia. The impact and influence of Buddhism on modernity and the Western world will also be discussed. Buddhist-Christian dialogue will be addressed. *Credit: 3 semester hours.*

1070: Krishna

Prerequisites: THE 1000C. A theological and historical examination of Krishna one of the principal deities or avatars of Hinduism. The course will also explore the "intense" devotional tradition or bhakti movement surrounding him in Gaudiya Vaishnavism: the writings of the 15th century saint Chaitanya and the contemporary Hare Krishna Movement. The primary textual sources will be the Bhagavad Gita, Bhagavata Purana and the Mahabharata and they will serve as the foundation of the course. *Credit: 3 semester hours.*

1071: Introduction to Vatican II

Prerequisites: THE 1000C This introduction to Vatican II (1962-1965) will survey the nature of an ecumenical council, the convening of and preparation for the council in particular the role of the Curia, the achievement of each of the four sessions. An overview of each Vatican II document will be presented with particular attention to the four constitutions. The role and contributions of the council periti will be noted in the context of the theological 'schools' emergent at the council. The impact of Vat II will be discussed as well as the debate over its interpretation and reception. *Credit: 3 semester hours.*

1072: JRR Tolkien and Theology

Prerequisites: THE 1000C. JRR Tolkien said of The Lord of the Rings that it "is of course a fundamentally religious and Catholic work; unconsciously so at first, but consciously in the revision...the religious element is absorbed into the story and the symbolism." This comment is true of all his work and Tolkien is his writing saw himself as engaged in 'sub-creation'. Consequently, the influence of Roman Catholicism

and Catholic theology in the life, thought, and especially writing of JRR Tolkien is addressed in this course *Credit: 3 semester hours.*

Video Game Development (VGD)

1001 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. (Cf. COM 2570) *Credit: 3 semester hours.*

1002 Principles of Game Design

Prerequisite: VGD1001. This course is an introduction to integrating core design essentials, such as critical analysis, mechanics and aesthetics, prototyping, level design, into game design. With over 200 images from some of the best-selling, most creative games of the last 30 years, this is an essential introduction to industry practice, helping readers develop practical skills for video game creation. This book is for those seeking a career making video games as part of a studio, small team or as an independent creator. Discussions will include how games engage, entertain and communicate with their audience. *Credit: 3 semester hours.*

2300 Storytelling and Character Development for Video Games

Prerequisite: VGD1001. This course explores the role of the game writer as a story teller and problem solver through the study of games and the creation of characters and stories for games. Game writing is a type of storytelling where the reader is also a player. Everything about the game, like the environment, the characters, the rules and the gameplay can be opportunities to tell the story. This makes game writing extremely collaborative, technical and iterative. *Credit: 3 semester hours.*

2401 Business of Games and Entrepreneurship

Prerequisite: VGD1001. This course seeks to develop and enhance media and entertainment research skill sets. The course breaks down qualitative and quantitative research processes into phases exploring the role of marketing and entrepreneurship in the video game marketplace. This course will consider industry profiles, strategic communication, entrepreneurship, industry case studies, as well as roll-out strategies exclusive to the video game marketplace. The class will culminate with a market research project involving ethnographic and survey work from students. *Credit: 3 semester hours.*

2600 Critical Issues in Video Gaming

Prerequisite: VGD1001. This course seeks to discuss critical issues within the video game industry. Topics will include lectures surrounding addiction, bullying, sexual exploitation, micro-transactions and other controversial elements within the video game industry. The goal in this class is to imbue students with a sense of morality and understanding surrounding why these issues exist, and what we can do as a society to reduce their prevalence in the video game industry. *Credit: 3 semester hours.*

3202 Introduction to Visual Design of Characters for Videogames

Prerequisites: COM 2290 and VGD 1001. The course emphasizes the conceptual and creative thinking and skills needed for designing video game characters. The relationship between character, story and gameplay will be examined. Students will be introduced to basic principles of character development in its relation to the scenario of a videogame. Basic software as well as drawing exercises will be used as methods of learning. In the end, students will design several compelling characters for a variety of game types. *Credit: 3 semester hours.*

3203 Introduction to Environmental Design for Videogames

Prerequisites: COM 2290 and VGD 1001. The course emphasizes the creation of game-ready environment design. Students will be introduced to the principles of environment design in its relation to the scenario of a videogame. Basic software as well as drawing exercises will be used as methods of learning. The course will focus on concept, research and execution of the final design within a chosen genre of videogames. *Credit: 3 semester hours.*

3204 Game Engines

Prerequisites: VGD 1002 and CUS 1100. This intermediate production course explores the development pipeline using an industry-leading 3D game engine. Working collaboratively as part of a team, students rehearse key roles and share development responsibilities. Students learn how to integrate game assets and implement game logic to create an aesthetically coherent, compellingly interactive experience. *Credit: 3 semester hours.*

3301 Interactive Storytelling

Prerequisites: VGD1002 and VGD2300. This course explores the theory, writing, and production techniques for nonlinear narratives and playable media. This exploration of digitally-mediated writing investigates interactive storytelling in its many forms: hypertext, interactive fiction, net.art, flash poetry, expressive code, generative literature, installation, sound poetry, video games, and more. This investigation of emerging literary, performative, and playful forms enables students to craft immersive participatory experiences, and develops their storytelling sensibilities for the design of compelling video games. *Credit: 3 semester hours.*

3501 Physical Computing and Emerging Media

Prerequisites: VGD 1002 and CUS 1100 This advanced production course investigates new methods in authoring media using emerging technology, with a focus on physical computing. Students apply concepts in experience design and embodied cognition as they integrate dynamic and responsive digital content, write custom software, and utilize microcontrollers, sensors, and actuators. *Credit: 3 semester hours.*

4001 Capstone I in Game Development & Emerging Media

Prerequisites: VGD 1002 and CUS 1100. This is the

first half of the Capstone sequence in Game Development & Emerging Media, focusing on conceptualization and preproduction of a significant game or media project. The course focuses on professionalization of the student's creative practice, and developing a digital portfolio containing representative examples of previous work. *Credit: 3 semester hours.*

4002 Capstone II in Game Development & Emerging Media

Prerequisites: VGD 1002 and CUS 1100. This is the second half of the Capstone sequence in Game Development & Emerging Media, focusing on the production and packaging of projects proposed in VGD4001 Capstone I. Students extend and refine working proofs-of-concept toward the completion of a major project. In addition to production and critique, students professionalize their craft, creating a press kit, distribution and community engagement plan, and refining their digital portfolio. *Credit: 3 semester hours.*

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St. John's University School of Law separately maintains the Rittenberg Law Library on the Queens campus.

The Davis Library on the Manhattan campus is independently managed by St. John's School of Risk Management, Insurance and Actuarial Science, and is open to all St. John's University students and faculty. The Davis Library houses one of the largest collections of contemporary and historical insurance materials in the world.

The Main Library on the Queens Campus is a selective depository for United States government documents, and houses Special Collections and the University Archives. The Main Library also oversees the Chin Ying Asian Library located in Sun Yat-Sen Hall.

The Loretto Memorial Library is a focal point of the Staten Island Campus.

On campus and virtually, subject specialist librarians deliver discipline-specific research support and instruction appropriate to advanced levels of research and scholarship. Cooperative arrangements with other libraries provide regional, national and international access to materials.

Administration and Professional Staff

Caroline Fuchs, *University Librarian, Dean of Libraries and Professor*, University Libraries, B.A., M.A. (English), M.A. (History), Queens College of the City University of New York, M.L.S., St. John's University.

Dermot Cooper, *University Records Manager*, B.A., City College of the City University of New York; M.L.S., St. John's University.

Arlene Coscia, *Executive Assistant to the Dean of Libraries*.

Shilpa Karnik, *Director of Strategic Projects and Applied Information Technologies*, B.S., Parle College (Bombay, India); B.S., M.L.S., St. John's University.

Ian Lewis, *Archives Librarian*, B.A. Kean University, M.L.S., St. John's University.

Dorothy McGovern, *Circulation Services Supervisor*, B.A., Fordham University.

Brittany Partinico, *Health Sciences Librarian*, B.S.N., Adelphi University; M.L.I.S., St. John's University.

Vicky Vagenas, *Library Budget and Planning Analyst*, University Libraries, B.A., York College of the City University of New York.

Maureen B. Weicher, *Electronic Resources Librarian*, B.A., Barnard College; M.S., Baruch College of the City University of New York; M.L.I.S., Pratt Institute.

Faculty

Heather Ball, *Associate Professor*, B.A. New York University; MLitt, University of Glasgow; M.L.S., Queens College of the City University of New York.

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 of the City University of New York.

Cynthia D. Chambers, *Assistant University Librarian for Digital and Technical Services and Associate Professor*, B.A., Capital University, Ohio; M.L.S., Kent State University; M.T.S., Trinity Lutheran Seminary.

Lois Cherepon, *Associate Professor, Director*, Staten Island Library, B.A., Rutgers College; M.A., State University of New York at Binghamton; M.L.S., Rutgers University.

Anna M. Donnelly, *Associate Professor*, B.A., St. John's University; M.S., Columbia University; M.A., New York University.

Ann M. Jusino, *Associate Professor*, B.A. Villanova University; M.L.S. Rutgers University; M.A., College of Staten Island of the City of New York.

Kathryn Shaughnessy, *Associate University Librarian for Teaching, Research and Scholarship and Associate Professor*, B.A., Loyola College; M.A. Fordham; M.L.S., St. John's University.

Victoria Tamborrino, *Associate Professor*, B.S., M.S., M.L.S., St. John's University.

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 of the City University of New York.

Tian Xiao Zhang, *Associate Professor*, B.A., Hunan Normal University; M.A., Fordham University; M.L.S., St. John's University.

Law Library

Administration

Courtney Selby, *Associate Dean for Library Services and Professor of Legal Research*, B.A., University of Tulsa; M.L.I.S., University of Oklahoma; J.D. University of Tulsa College of Law.

Christopher Anderson, *Collection Services & Digital Initiatives Librarian*, B.A., The College of William and Mary; J.D., Syracuse University College of Law; LL.M., New York University School of Law; M.S.L.I.S., St. John's University.

Saadia Iqbal, *Reference & Scholarly Services Librarian*, B.A. University of Florida, M.L.S. University at Buffalo, J.D. University at Buffalo College of Law.

Josh LaPorte, *Reference & Access Services Librarian*, B.A., Trinity College; Paralegal Certificate, Univ. of Hartford.

Davis Library

Administration

Ismael Rivera-Sierra, *Director, Davis Library*, B.S. University of Puerto Rico, Mayagüez Campus; M.S.L.S. Florida State University.

Richard Waller, *Assistant Director, Access and Digital Services, Davis Library*, B.S. Virginia Commonwealth University; M.S.L.S., Columbia University; M.A., St. John's University.

Vincentian Institute for Social Action

The Vincentian Institute for Social Action was created to embed St. John's mission more visibly into the educational experience of its students. The Institute houses the Ozanam Scholars, Academic Service-Learning (AS-L) and Vincentian Service and Social Justice. Students are afforded the opportunity to connect course concepts, theoretical frameworks, and current research in understanding the critical nature of the world around them. Faculty members are supported to pursue research and guide students through this process.

Academic Service-Learning

Academic Service-Learning at St. John's University was implemented in 1995 and is a classroom/experiential based learning pedagogy that engages students within the community to understand and meet course objectives and concepts, while serving the common good. Through class reflection assignments, students are asked to examine issues pertaining to social justice and civic responsibility. While reflecting on their service experiences, 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, as well as in courses taught globally and online.

For further information on Academic Service-Learning, please contact:

Frank Peluso, *Director of AS-L*, 718-990-8289 or pelusof@stjohns.edu

Louis Saavedra, *Assistant Director*, 718-990-6499 or saavedrl@stjohns.edu

Lorraine Wright, *Coordinator of AS-L*, 718-990-3415 or wrightl@stjohns.edu

Ozanam Scholars Program

The Ozanam Scholars Program provides a platform for students to critically examine the systems that perpetuate poverty and take action to advance social justice through academic scholarship,

Vincentian service, and global citizenship. As such, the program seeks to help students develop as social justice advocates – in all fields of study – and become responsible citizens in their local and global communities. The Ozanam Scholars program provides students with the necessary tools to analyze social issues and propose workable solutions to these issues. For further information on the Ozanam Scholars program, please contact Domenico Angerosa, Associate Director, at 718-990-6888 or angerosd@stjohns.edu.

Vincentian Service & Social Justice

CRS Ambassadors & the Global Campus

The CRS Global Campus Committee is the University's investment to Catholic Relief Services and a lived experience of solidarity, while offering an opportunity to research, analyze, and create systematic changes and solutions to the world's injustices. The purpose of CRS Student Ambassadors is to spread the mission of Catholic Relief Services to students at St. John's University. Students engage in programs, activities and advocacy efforts centered on social justice issues according to Catholic social teaching.

Vincentian Service

Vincentian service links service, faith and justice together as part of the development and education of our students. By serving our local community and; with Vincentian communities domestically and internationally, our students are afforded the opportunity to be engaged and act/work in solidarity with society's most marginalized communities. As students are engaged in service, they are given time to reflect on these experiences – transformation and long-term application in their lives are essential to every Vincentian service experience.

Weekly Experiences invite our student body into service through a Vincentian lens (prayer, service, prayer/reflection).

Sites include:

- Midnight Run
- Aftercare programs
- Catholic Charities Food Pantries
- St. John's the Baptist Soup Kitchen and Mobile Kitchen

Plunge (Immersion) Experiences offer students an extended service opportunity where they serve those in need in/outside of the New York City area. Key elements of the plunges are Community building, Spirituality, Simple Living, Solidarity, and Service.

Sites can include with Vincentian Partnerships...

- Queens, NY with St. John's local partnerships
- Denver, CO with Colorado Vincentian Volunteers
- St. Louis, MO with Vincentian Mission Corps
- El Paso, TX with the Daughters of Charity
- Benson, Vermont with the Mercy Eco Spirituality Center
- Lourdes, France with North American Volunteers

- Panama with Vincentians

For further information on Vincentian Service and Social Justice, please contact Angela Seegel, at 718-990-2680 or seegela@stjohns.edu.

Student Consumer Information

The following is a summary of the Student Consumer Information that is available to students. Please refer to www.stjohns.edu/consumer for additional and the most up to date student consumer information.

For information on degrees conferred, enrollment, and other student data, please refer to the University Fact Book at www.stjohns.edu/factbook

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.

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/FERPA

Services for Students with Disabilities

The Office of Disability Services (ODS) provides students with disabilities with appropriate academic adjustments and auxiliary aids and services that are necessary to afford an individual with a disability an equal opportunity to participate in St. John's University programs. The appropriate academic adjustment will be based on the student's disability and individual needs. Academic adjustments may include auxiliary aids and services, as well as modifications to academic requirements as necessary to ensure equal educational opportunity. Examples of adjustments include arranging for priority registration; reducing a course load; substituting one course for another; and extended time for testing.

In providing an academic adjustment, the University is not required to lower or substantially modify essential requirements. For example, although the University may be required to provide extended testing time, it is not required to change the substantive content of the test. In addition, the University does not have to make adjustments

that would fundamentally alter the nature of a service, program, or activity, or that would result in an undue financial or administrative burden. Moreover, the University does not have to provide personal attendants, individually prescribed devices, readers for personal use or study, or other devices or services of a personal nature, such as tutoring and typing.

Guidelines Determining Eligibility for Academic Adjustments

The student must inform ODS of the disability and the need for an academic adjustment, and should do so as early as possible, as some academic adjustments may take more time to provide than others.

The University requires documentation showing that a student has a current disability and needs academic adjustment. Such documentation must be prepared by an appropriate professional, such as a medical doctor, psychologist, or other qualified diagnostician. The documentation must include the following: a diagnosis of the current disability, as well as supporting information, such as the date of the diagnosis, how that diagnosis was reached, and the credentials of the diagnosing professional; information on how the disability affects a major life activity; and information on how the disability affects the student's academic performance. An individualized education program (IEP) or Section 504 plan may help identify services that have been effective for the student. This is generally not sufficient documentation, however, because of the differences between postsecondary education and high school education.

Once ODS receives the necessary documentation, it will review the student's request in light of the essential requirements for the relevant program. The University may also conduct its own evaluation of the student's disability and needs.

To notify ODS of a disability and request academic adjustments, or to request more information about Services for Students with Disabilities, please contact:

St. John's University
Office of Disability Services
St. John's University
Marillac Hall, Room 134
8000 Utopia Parkway
Queens, New York 11439
Tel.: 718-990-6867
Fax: 718-990-2609
ods@stjohns.edu

Internal Grievance Process for Students with Disabilities

Internal complaints related to services and accommodations for students with disabilities provided through ODS should be directed to:

Danielle Haynes

Director of Equal Opportunity, Compliance and Title IX Coordinator
St. John's University

Office of Human Resources
Suite C, University Center
8000 Utopia Parkway
Queens, New York 11439
Tel.: (718) 990-2660
haynesd1@stjohns.edu

External Grievance Process for Students with Disabilities

External complaints may be filed with:

U.S. Department of Education

Office for Civil Rights
Lyndon Baines Johnson Department of Education
Building
400 Maryland Avenue, SW
Washington, DC 20202-1100
Tel.: 800-421-3481
OCR@ed.gov

Accessible Parking Permits

Accessible parking spaces are limited and, pursuant to law, only individuals with appropriately issued accessible parking permits can park in these locations. Any member of the University community with a disability requesting permission to park in accessible parking areas must apply to the appropriate municipal authority to secure a New York State accessible parking permit. A parking zone identified with a sign bearing the international disability symbol is restricted at all times for use by vehicles bearing BOTH a valid SJU parking permit and New York State issued accessible parking permit.

Temporary Accessible Parking Permits

St. John's University supports the provision of disability parking spaces at a reasonable proximity to campus buildings for people with a temporary disability. Accessible parking privileges will be granted only after submission of documentation of need to the Office of Disability Services. Medical documents or physician's letter, which include diagnostic statement and healthcare provider's license number, must indicate that the applicant has established physical limitations. Upon the approval of documentation, a temporary accessible parking permit may be obtained from the Office of Public Safety, provided that the community member has a valid parking permit and a valid photo ID.

Queens Campus

Marillac, Room 134
Tel: 718-990-6867
Fax: 718-990-2609

Staten Island Campus

Spellman Hall, Room 101
Tel: 718-390-4451
Fax: 718-390-4036

For more information about the Office of Disabilities services and hours of operation please visit www.stjohns.edu/disabilityservices

Accessible Parking Permits

Accessible parking spaces are limited and,

pursuant to law, only individuals with appropriately issued accessible parking permits can park in these locations. Any member of the University community with a disability requesting permission to park in accessible parking areas must apply to the appropriate municipal authority to secure a New York State accessible parking permit. A parking zone identified with a sign bearing the international disability symbol is restricted at all times for use by vehicles bearing BOTH a valid SJU parking permit and New York State issued accessible parking permit.

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Fax: 718-390-4036
For more information about the Office of Disabilities services and hours of operation please visit www.stjohns.edu/disabilityservices

Annual Security and Fire Safety Report

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act) St. John's University publishes an Annual Security and Fire Safety Report (ASR). The ASR includes three years' worth of campus crime statistics for incidents that occurred on campus; in certain off-campus buildings; in property owned or controlled by St. John's University; and on public property within, or immediately adjacent to and accessible from, campus. The report also contains information regarding campus security and personal safety, including topics such as crime prevention and fire safety.

You can view the University's campus crime statistics in the ASR at www.stjohns.edu/annualsecurityandfiresafetyreport. This information is also available from the United States Department of Education at <https://ope.ed.gov/campusafety/#/institution/search>.

Procedures for reporting a missing student are also available in the ASR.

Printed copies are available upon request from Public Safety at, 718-990-1435.

Graduation Rates

Student Right to Know/Completion and Graduation Rates

Retention Rates

- 82% of Fall 2021 full-time, first-time Baccalaureate/PharmD seeking freshmen students returned in Fall 2022. 81% of Fall 2019 full-time, first-time Associate and Baccalaureate/PharmD degree seeking students returned in Fall 2022.

GRADUATION RATES WITHIN 150% of normal time – Fall 2016 Full-time Cohort	All*	Baccalaureate/ PharmD Seeking Students
Overall	69%	69%
Gender:		
Male	65%	65%
Female	73%	73%
Ethnicity:		
Black or African American	60%	60%
Asian	67%	67%
Hispanic/Latino	68%	68%
White	76%	76%
American Indian or Alaska Native	71%	71%
Non-Resident	62%	62%
Unknown	63%	63%
Native Hawaiian or Other Pacific Islander	—	—
Two or More Races	70%	70%
By Aid		
Recipients of Federal Pell Grant	62%	62%
Recipients of a subsidized Stafford Loan who did not receive a Pell Grant	69%	69%
Students who did not receive either a Pell Grant or a subsidized Stafford Loan	76%	76%
4 yr. Average	64%	64%
<i>Student Athlete(SA) 2016-17 Graduation Rate: 70%; SA Four-yr. Class Average: 62%</i>		

*All includes students includes those pursuing a Baccalaureate/PharmD degree as well as those pursuing an Associate degree.

Student Body Diversity (Full-time Undergraduates): 2022

- Gender Distribution of Full-time Undergraduates
 - 45% Male and 55% Female
- Ethnicity of Full-time Undergraduates:
 - 14% Black or African American
 - 16% Asian
 - 22% Hispanic/Latino
 - 39% White
 - .1% Native Hawaiian or Other Pacific Islander
 - 3% Non-Resident (International)
 - 4% Two or More Races
 - .1% American Indian or Alaska Native
 - 1% Unknown
- 36% of the population were Federal Pell Grant Recipients

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 please call Doug Trani at extension 6803.

Teacher Education Preparation Programs

Our teacher preparation program is approved by the New York State Education Department and was previously accredited by the Teacher Education Accreditation Council (TEAC). We maintain that accreditation while moving toward new accreditation—the Association for Advancing Quality in Education Preparation (AAQEP).

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>.

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 <https://www.stjohns.edu/computer-and-network-use-policy>

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. For more information, please see

<https://www.stjohns.edu/who-we-are/leadership-and-administration/administrative-offices/office-provost/state-authorization-and-complaint-process>.

Other General Institutional Information

St. John's University Alcohol and Drug Policy

<https://www.stjohns.edu/who-we-are/leadership-and-administration/administrative-offices/division-student-success/policies-and-procedures>

Placement Rates

For detailed information on placement rates, please visit: <https://www.stjohns.edu/life-st-johns/career-development/career-outcomes>

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 <https://www.stjohns.edu/admission/tuition-and-financial-aid>

Vaccination Policy

St. John's University's policy on vaccinations can be found at <https://www.stjohns.edu/healthservices>

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 <https://www.stjohns.edu/academics/office-registrar>

Officers of Administration

Rev. Brian J. Shanley, O.P., S.T.L., Ph.D., B.A., Providence College; Ph.L., The Catholic University of America; M.Div., S.T.L., Dominican House of Studies; Ph.D., University of Toronto; President

Rev. Aidan R. Rooney, C.M. '78C, B.A., St. John's University; M.Div., Mary Immaculate Seminary; Executive Vice President for Mission

Simon G. Møller, Ph.D., B.S., University of Leeds; M.S., Imperial College London; Ph.D., University of Leeds; Provost and Vice President for Academic Affairs

Sharon Hewitt Watkins, C.P.A., B.S., New York University; M.A., Columbia University; Vice President for Business Affairs, Chief Financial Officer, and Treasurer

Nunziatina A. Manuli '97MBA, B.A., State University of New York at Albany; M.B.A., St. John's University; Vice President, Chief of Staff to the President, and University Secretary

Joseph E. Oliva, Esq. '91CBA, '94L, B.S., J.D., St. John's University; M.A., Seminary of the Immaculate Conception; Vice President for Administration, and General Counsel

Rachel Pereira, Ed.D., Esq., B.A., Hunter College, City University of New York; M.S., Ed.D., Rutgers University; J.D., University of Pennsylvania Carey Law School; Vice President of Equity and Inclusion

Christian P. Vaupel, Ed.D., B.S., M.S., Adelphi University; Ed.D., University of Pennsylvania; Vice President for Advancement and University Relations

Sarah Jean Kelly, B.A., Wellesley College; M.Ed., University of Virginia; J.D., Georgetown Law; Vice President for Student Success

Recognition/Accreditation

Accreditation Board for Engineering and Technology – Computing Accreditation Commission (ABET-CAC)

Accreditation Council for Pharmacy Education (ACPE)

Accreditation Review Commission on Education for the Physician Assistant (ARC-PA)

Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC International)

American Bar Association (ABA)

American Chemical Society (ACS)

American Library Association (ALA)

American Psychological Association (APA)

Association of American Law Schools (AALS)

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

Council for Accreditation of Counseling and Related Educational Programs (CACREP)

Council on Academic Accreditation - American Speech-Language-Hearing Association (CAA)

Joint Review Committee on Education Program(s) in Radiologic Technology (JRCRT)

Middle States Commission on Higher Education (MSCHE)

1007 North Orange St
4th Floor, MB #166

Wilmington, DE 19801

Telephone: (267) 284-5011

E-mail: info@msche.org

Spanish: españolinfo@msche.org

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

National Association of School Psychologists (NASP)

National Association of Schools of Art and Design (NASAD)

New York State Education Department (NYSED)

Teacher Education Accreditation Council (TEAC) currently managed by the Council for the Accreditation of Educator Preparation (CAEP)

The Association to Advance Collegiate Schools of Business (AACSB International) (Business and Accounting)

The University maintains membership in many professional organizations.

Founded by the Vincentian Community.

Chartered by the Board of Regents of the University of the State of New York.

Queens Campus Facilities

Queens Campus, housing the principal administrative offices of the University, is located on a 105-acre tract in the Hillcrest section of the borough.

Belson Hall and **Finley Hall** house The School of Law, including the Office of the Dean, Registrar, Admissions, Career Services, Clinics, the Law Library, the Writing Center, LLM Center, the Belson Moot Court Room, classrooms, faculty offices, student lounges, a cafeteria, and other areas to support The School of Law.

The Bursar is located in the garden level of The Peter J. Tobin College of Business across from Carnesecca as well as a Jewish Prayer Room.

The home of The Peter J. Tobin College of Business includes high-tech classrooms, faculty offices, a student collaboration space, the Lesley and William Collins Business Analytics Lab, and the Paul and Carol Evanson Career Services Center. It also houses the Division of Student Success.

Carnesecca Arena, the athletic center, houses the main gymnasium seating approximately 5,000, an auxiliary gymnasium, various athletic activities rooms, coaches' offices, the Little Theatre and classrooms for hygiene and physical education. The Belson Soccer Stadium and varsity baseball field are also located on the Queens campus. Student Development for Athletes.

Jack Kaiser Stadium and varsity baseball field are also located on the Queens campus.

Chiang Ching-Kuo Hall houses the Offices for Career Services.

Council Hall houses Undergraduate Welcome Center.

D'Angelo Center houses Office of Student Life, mailboxes and offices for student organizations and locker rental services, Board Room, Multipurpose Room, lounges, meeting rooms, seminar rooms, classrooms, Division of Student Success Office, Dining Room and Coffee House.

DaSilva Hall houses the Office of Health Services (entrance on the residence walkway).

De Paul Complex is the off-campus student housing.

Donovan Hall houses the Office of Residence Life (entrance behind Donovan Hall at garden level).

Founders Village is the on-campus housing environment that contains townhouses.

Henley Road off-campus housing.

Lourdes Hall houses the Health Education Resources Center.

Montgoris Dining Facilities
Primary dining hall for Residence Village.

Newman Hall houses the central University executive and administrative offices. It also houses IT Service Center, Enrollment Management, International and Graduate Admission, Office of Institutional Research, Registrar, Office of Financial Services (Financial Aid/Bursar) Information Technology and Business Affairs.

O'Connor Hall houses the Learning Communities (entrance at rear of building).

Residence Village is the on-campus housing environment that contains the six residence buildings, O'Connor Hall, Carey Hall, DaSilva Hall, Janetschek Hall, Donovan Hall, Hollis Hall, and the women's softball field.

Seton Complex is the off-campus student housing that contains the Speech & Hearing Center, and Center for Psychological Services.

St. Albert the Great Hall houses the College of Pharmacy and Health Sciences and the science departments, Environmental Health and Safety. In addition to classrooms, science laboratories and faculty offices, the building also contains an auditorium and an animal care facility.

St. Augustine Hall houses the University Libraries and the The Lesley H. and William L. Collins College of Professional Studies. The building is comprised of other special features or facilities such as seminar rooms, carrels, exhibition areas, the McNair Scholars Program, the Honors Program, the Center for Student Success, the Writing Center, Writing Across Communities, First Year Writing, the Learning Commons, and Library quiet study rooms.

St. John the Baptist Hall houses International Student Services, Liberty Partnership, the Graduate Division of ESL Program, Gear Up, Committee on Latin American and Caribbean Studies, St. John's College of Liberal Arts and Sciences, the Division of Special and Opportunity Programs, and the Chaplain. It contains fine arts studios, photography darkrooms, classrooms and faculty offices.

St. Louise de Marillac Hall houses Campus Ministry, a closed-circuit Television Center, classrooms, faculty offices, the Counseling Center, Office of Global Studies, 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 a freestanding church that houses the Campus Ministry office.

Sullivan Hall houses the offices of The School of Education, The School of Education Recruitment Center, V.I.S.A & Campus Ministry, classrooms, lecture rooms, and special purpose teaching facilities.

Sun Yat-Sen Hall houses the Chin Yang Asian Library, Chung-Cheng Art Gallery, Faculty Dining Room, Vincentian Center for Church and Society, and the Inclusivity Resource Center.

The Dr. Andrew J. Bartilucci Center is a 40,000 square foot building. The facility is utilized for instruction in some academic programs and various certificate programs offered by the College of Pharmacy and Allied Health Professions.

The Rev. John B. Murray House is the residence that provides living accommodations for the Vincentian Fathers and is located near St. Thomas More Church. The spacious, three-story building boasts a common living room with a working fireplace, a reading area/library, chapel and dining room.

The Second Lt. Thomas J. McDonald Reserve Training Center is named for a distinguished alumnus of St. John's College who was killed in World War II. It was erected by the federal government on a portion of the campus leased from the University. Campus Facilities and Services, Public Safety, Storm Card Office, Printing and Distribution, University mail services, and the ROTC facilities are housed here.

University Center houses Alumni Relations, Office of University Events, Marketing and Communications, Institutional Advancement, Community Relations, Undergraduate Admission, and Human Resources.

Taffner Field House

The facility houses:

Department of Athletics:

- (2) varsity basketball courts, with amenities for volleyball poles
- (2) teams' locker rooms, bathrooms, shower rooms, and lounges for the men's and women's players
- Office level with (2) private bathrooms, locker rooms and pantries to accommodate the men's and women's basketball coaches
- A weight training room and medical training room, designed specifically for basketball
- A basketball equipment storage room.
- (2) recreational basketball courts, with amenities for volleyball poles
- (2) recreational locker rooms, bathrooms, shower rooms
- Recreational gathering area featuring a community lounge,
- A recreation equipment storage room.

Staten Island Campus Facilities

Staten Island Campus is located on Grymes Hill in Richmond County.

Campus Center On the upper level of this building is the gym, the lower level houses the cafeteria, game room, Student Success offices, Student Government (SGI) and the health office.

DaSilva Center Academic Center Housed in this building, on the third floor, are faculty offices for St. John's College and the School of Education. On the second floor are classrooms and the School of Education Dean's office. On the first floor are the RCSF Finance/Accounting Lab and Technology Hub and the School of Education Teaching and Learning Classrooms.

Flynn Hall, the Administration building, houses the offices of the Vice Provost and Campus Operations. Also in this building is the University Career Center and the Dean's offices of St. John's College and Tobin College of Business.

Kelleher Center houses Admissions and the Office of Student Enrollment Services along with the Fitness Center, Student Lounge and various meeting spaces, including our premier event space, the Kiernan Suite.

Lavelle Hall contains classrooms, the St. Vincent DePaul Chapel, offices for Campus Ministry and ROTC and the Speech Pathology Lab.

Mahoney Hall provides classrooms, the Student Success Center. The Rathskeller/Student Lounge is located on the lower level, is a multi-function student space and is equipped with vending machines.

Notre Dame House Campus Ministry is housed in this building as well as the Facilities office and shop.

Rosati Hall The Lesley H. and William L. Collins College of Professional Studies faculty offices and Alumni Relations are housed here.

Spellman Hall houses the following Offices: The Peter J. Tobin College of Business faculty offices, Public Safety, The Center for Counseling and Consultation and the Blackbox Theatre.

The Loretto Memorial Library is committed to the teaching and learning processes by providing information resources and instructional services. It contains over 134,000 volumes of books, periodicals, microfilm, and microfiche which support the undergraduate and graduate programs of the University. An instructional program provides training in the use of library materials through class lectures, orientation programs and individual instruction. 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 services. Cooperative arrangements with other libraries provide regional, national and international access to materials. The library also contains the Language Laboratory and lounge where art exhibits and other community events are held.

Manhattan Campus Facilities

The Manhattan Campus is located in Lower Manhattan at the Astor Place Plaza opposite Cooper Union's historic building. It occupies both part of the concourse and first floor and the entire 2nd floor. There are 14 classrooms, Public Safety, Library, MPR, Computer Labs, Administrative offices, The Peter J. Tobin College of Business Graduate Office, The School of Education, the St. John's College of Liberal Arts and Sciences, and the School of Risk Management.

Directions to Queens Campus

By Automobile

From Long Island (North): *Option One*

Take the Northern State Parkway to the Grand Central Parkway, exit at 188th Street. Turn left at the light, and make an immediate right onto the service road. Follow the service road to Utopia Parkway; bear right to campus.

Option Two

Take the Long Island Expressway and exit at Utopia Parkway. Make a left on Utopia Parkway and proceed to Union Turnpike. The campus is on the right.

From Long Island (South): Take the Southern State Parkway to the Cross Island Parkway. Proceed to the Grand Central Parkway (West), and exit at 188th Street. Turn left at the light, and make an immediate right onto the service road. Follow the service road to Utopia Parkway and bear right to campus.

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 with directions from the Bronx.

From Brooklyn: Jackie Robinson (Interboro)

Parkway onto Grand Central Parkway to exit for Parsons Blvd. Remain on service road until you reach Utopia Parkway and make a left at the light 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

IND: "E" or "F" train to Union Turnpike - Kew Gardens station. Q46 bus to Utopia Parkway and Union Turnpike.
"F" train to 169th St. station. Q30 bus or Q31 bus to St. John's University.

IRT: Flushing subway to Main St., Flushing;
Q17 bus to Utopia Parkway and Long Island Expressway. Transfer to Q30 or Q31 bus for St. John's University.

LIRR: Jamaica Station. Q30 or Q31 bus to 169th St. and Hillside Ave. Flushing station. Q17 bus to Utopia Parkway and Long Island Expressway. Transfer to Q30 or Q31 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.

Directions to 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 Goethal 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.

Directions to 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 St. Take the 1st left onto W Broadway. Turn right onto W Houston St. Turn left onto Lafayette St. Turn right onto Astor Place.

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. Turn right onto E 25th St. Turn left onto 2nd Ave. Turn right onto E 9th St. Turn left onto 3rd Ave.

From New Jersey: Proceed through the Holland Tunnel to Canal Street. Take the 1st left onto W Broadway. Turn right onto W Houston St. Turn left onto Lafayette St. Turn right onto Astor Place.

From Long Island: Take the Long Island Expressway. Head west on I-495 W towards Exit 51. Take the exit on the left toward E 35th St. Take the 1st right onto 2nd Ave. Turn right onto E 9th St. Turn left onto 3rd Ave.

Parking is available at Alliance Parking Services, at the corner of E 9th St. and 3rd Ave.

By Public Transportation

From Queens: Take E Train Heading towards World Trade Center, Transfer to Downtown 6 Train at Lexington Avenue-51 St., Get off at Astor Place.

Take F Train Heading towards Manhattan, Transfer to Downtown N or R Train at 34th St. Herald Square, Get off at 8 St. NYU.

Take 7 Train Heading towards Manhattan, Transfer to Downtown 6 Train at Grand Central 42 St., Get off at Astor Place.

From Brooklyn: Take L Train Heading towards 14th St., Transfer to Downtown 6 Train at 14th St.-Union Square, Get off at Astor Place.

Take N,R Train Heading towards Manhattan, Get off at 8 St. NYU.

Take B,D,F,M Train Heading towards Manhattan, Transfer to Uptown 6 Train at B'way-Lafayette St., Get off at Astor Place.

Take 4,5 Train Uptown, Transfer to 6 Train at Brooklyn Bridge City Hall, Get off at Astor Place.

From Bronx: Take 6 Train to Brooklyn Bridge City Hall, Get off at Astor Place.

Take 4,5 Train Downtown, Transfer to 6 Train at Grand Central 42 St., Get off at Astor Place.

Take 1,2 Train Downtown, Transfer to N or R Train at Times Square 42 St., Get off at 8 St. NYU.

Take B,D Train Downtown, Transfer to N or R Train at 34th St. Herald Square, Get off at 8 St. NYU.

From Staten Island: Get off Staten Island Ferry, **Take 4,5 Train** Uptown at Bowling Green, Transfer to 6 Train at Brooklyn Bridge City Hall, Get off at Astor Place.

Get off Staten Island Ferry, **Take R Train** Uptown at Whitehall St. South Ferry, Get off at 8 St. NYU.

From Penn Station and Port Authority Bus Terminal:

Take E Train Heading towards World Trade Center, Transfer to L Train at 14 St., Take L Train Heading towards Brooklyn until 14 St.-Union Square, Transfer to 6 Train Downtown, Get off at Astor Place.