St. John’s College of Liberal Arts and Sciences

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St. John’s College has two office locations. On the Queens campus the undergraduate and graduate office is located in St. John Hall, Room 145 (718) 990-6271; on the Staten Island Campus the office is located in Flynn Hall, Room 102, (718) 390-4300.

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

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

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

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

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

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

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

Bachelor of Fine Arts++
Fine Arts
Graphic Design
Illustration
Photography

Notes: *Combined B.A./M.A. or B.S./M.S. programs available.
+Available on Staten Island campus only.
++Available on Queens campus only.

Minors Available
Various departments offer programs leading to minor concentrations in their disciplines. Minors are not required for graduation but are chosen by students who wish to focus their core requirements and general electives in particular directions. The following guidelines for minors were determined by the Liberal Arts Faculty Council:
1. Students may choose any available minor program that is clearly differentiated from their major area of concentration.
2. Students may elect a minor after the completion of one semester of college.
3. Students must have the written permission of the of the department offering the minor.
4. Only one three-credit course may be used for both a major and a minor, provided that the minor sequence has at least 18 credits. For minors with fewer than 18 credits, no overlap is possible.
5. The Pass-Fail Option is not available in the fulfillment of minor requirements.
6. Students should schedule an interview at least once a year with their minor advisor.
7. The successful completion of a minor (with a minimum index of 2.0) will be noted on students’ transcripts.
8. To complete a St. John’s College minor at least 50% of the coursework must be completed in St. John’s college courses. Previously completed courses may be applied but may not make up more than 50% of the total credit.

Interdisciplinary Minors
Africana Studies
15 semester hours: HIS 3400 (required) and four courses, representing at least three different disciplines, selected from the following: ANT 2440, 2450; ART 1755, 1830; ENG 3300, 3330, 3470, 3475, 3480, 3650; FRE 3820; GOV 2480, 2750, 3680; HIS 2300, 2301, 2302, 2334, 2450, 3410, 3711, 3712, 3850; MUS 1300, PSY 2230, SOC 1190, 2450
Note: independent study courses, special topics courses (e.g. ENG 3390), and graduate level courses with significant Africana content can be counted for Africana minor credit with authorization of professor and director of program; some courses (e.g. PSY 2230 or FRE 3820) have prerequisites.

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

American Studies
(18 semester hours) The American Studies interdisciplinary minor consists of 18 credits, with distribution requirements in three disciplinary groupings. Fifteen credits are taken...
from courses listed under three groupings: Humanities; Social Sciences; and Art/Media/Technology. In addition, 3 credits must be taken as an ASP seminar in the junior or senior year. Each semester, the director and committee will choose one course to serve as this seminar, which will require either an academic service learning component or a community-based research project organized by the professor.

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

**Humanities Group** (6 credits; no more than 3 credits to be taken in any one subject)
- **ENG** 2060, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3390, 3470, 3480, 3560
- **HIS** 2700 2710 2711 2712, 2720, 2730, 2740, 2750, 3100/ASC 2540, 3150, 3180, 3375, 3701, 3702, 3705, 3711, 3712, 3715, 3720, 3725, 3731, 3732, 3735, 3740, 3750, 3760, 3770, 3790, 3795.
- **PHI** 3540
- **RCT** 2040
- **THE** 3510

**Social Sciences Group** (6 credits; no more than 3 credits to be taken in any one subject):
- **GOV** 2160, 2240, 2430, 2510, 2641, 3330, 3590, 3800
- **SOC** 1170, 1190, 2410, 2440, 2420, 2450, 2510, 2641, 3330, 3590, 3800
- **ASC** 2710/GOV 3710, ASC 2720/GOV 3720, PHI 3590
- **AFRICA** 3450, 3330; **HIS** 2302; **FRE** 3820, **GOV** 3680

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

**Latin America and the Caribbean:**
- **ANT** 2440, **GOV** 2690, 2750, 2760; **HIS** 2331, 2332; **FRE** 3820; **SPA** 3100, 3560, 3700, 3730, 3740

**Europe:**
- **GOV** 2650, 2660; **FRE** 3090, 3100, 3300, 3550, 3560, 3600, 3630, 3650, 3670, 3690; **GER** 3090, 3100, 3550, 3560; **HIS** 2511, 3512, 3652, 3653; **ITA** 3090, 3100, 3550, 3560; **RUS** 3090, 3100; **SPA** 3090, 3550, 3610, 3770, 3780; **MFL** 1040; **ENG** 3540

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

**Social Justice:**
- **THE** 2320 (required); Three credits from **PHI** 2200, **PHI** 2240, or **THE** 2300; Three credits from **SOC** 1190 or **ECO** 1320; and the Integrating Interdisciplinary Seminar in Social Justice (required); and six credits chosen from among the following: **ART** 1830, **BIO** 1360, **CRJ** 1300, **ECO** 1024, **ESP** 2160/GOV 2160, **ESP** 2170/GOV 2170, **GEO** 2001, **GOV** 3850, **HIS** 3120, **HIS** 3780, **HIS** 3110, **HIS** 3740, **LES** 1018, **LES** 1023, **LES** 1024, **PHI** 3720, **PSY** 1019, **SOC** 1070, **SOC** 1590, **SOC** 1170C, **SOC** 2100, **SOC** 2460, **SPE** 2060, **SPE** 3150, **THE** 3310, **THE** 3320.
- In addition, students must complete a minimum of 40 hours of service learning in the courses in the minor.

**Multicultural and Multiethnic Studies**
- 18 semester hours: **ANT** 1010, **ANT** 1040, SPE 1155/**ANT** 1150; additional nine semester hours from courses relating to culture/civilization, each course from a different region of the world: Asia, Africa, Latin America and the Caribbean, Middle East and Europe. 15 credits must be outside of the student’s major.
- Courses applicable to the minor:
  - **Asia:** **ANT** 2760; **ASC** 2210, 2220, 1230, 1250, 1300, 1310, 3460, 3470, 1480, 1490; **ASC** 2500/HS 2310, **ASC** 2510/HS 2312; **ASC** 1790/GOV 2830, **ASC** 1800/GOV 2840, **ASC** 2710/GOV 3710, **ASC** 2720/GOV 3720; **PHI** 3590
  - **Africa:** **ANT** 2450, **ENG** 3330; **HIS** 2302; **FRE** 3820; **GOV** 3680
  - **Middle East:** **GOV** 3820; **THE** 2850, 3850
  - **Latin America and the Caribbean:** **ANT** 2440, **GOV** 2690, 2750, 2760; **HIS** 2331, 2332; **FRE** 3820; **SPA** 3100, 3560, 3700, 3730, 3740
  - **Europe:** **GOV** 2650, 2660; **FRE** 3090, 3100, 3300, 3550, 3560, 3600, 3630, 3650, 3670, 3690; **GER** 3090, 3100, 3550, 3560; **HIS** 2511, 3512, 3652, 3653; **ITA** 3090, 3100, 3550, 3560; **RUS** 3090, 3100; **SPA** 3090, 3550, 3610, 3770, 3780; **MFL** 1040; **ENG** 3540

**Specific Entrance Requirements**

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

At least three electives must be from the academic grouping.

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

1. Students seeking admission to the B.F.A. degree program must submit a portfolio of original artwork. Upon submission of a completed admission application, students will be asked to contact the Department of Art and Design to schedule a portfolio review.

2. Students seeking to matriculate for a B.S. degree, a B.A. degree in Mathematics, or who are looking toward careers in Medicine, Dentistry, Osteopathy, or Optometry should include the following courses in their high school programs: Intermediate Algebra and Trigonometry (or 11th year Mathematics), advanced Algebra and Calculus, Physics and Chemistry and either French or German.

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

**Transfers**

**External**

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

All external transfer applicants to St. John’s College who have been awarded an A.A. or A.S. degree will fulfill the requirements for their baccalaureate in St. John’s College after successfully completing a minimum of an additional 64 semester hours including, a) six semester hours in Philosophy and six semester hours in Theology; and b) the requirements for the selected major concentration. The
remainder of the student’s program is determined under the guidance of an assigned advisor. All external transfer students seeking admission to the B.A. degree in Speech-Language Pathology and Audiology must have a GPA of at least 3.0.

Internal

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

Upon entry to a St. John’s College program of study, students must take all their remaining major courses within their major department. All internal transfer students seeking admission to the B.A. degree in Speech-Language Pathology and Audiology must have a GPA of at least 3.0.

Advanced Placement/CLEP

St. John’s College awards Advanced Placement and college credit to those entering freshmen who earn a requisite score on the College Entrance Examination Board’s Advanced Placement and/or CLEP tests. Placement and the number of college credits appropriate to the academic development of the qualified student are determined by the Dean’s Office. A minimum AP score of 3 or better is required for credit to be awarded. However, some departments including English, Biology, Chemistry and Mathematics may require higher scores for certain examinations and major requirements. With respect to Advanced Placement credit for students who have earned an International Baccalaureate (IB) Programme Diploma, the following policies are in effect:

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

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

Fresh Start Rule

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

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

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

Academic Standing

A full-time student’s program may range from a minimum of 12 to a maximum of 18 hours (credits) per semester. Freshman programs are usually 15 semester hours (credits). A student who receives a grade of F for a required course must take the course again. The new grade does not replace the F that was previously earned, but is averaged into the student’s cumulative grade point average. To remain in good academic standing, a student must maintain a minimum cumulative grade point average of 2.0 overall and in the academic concentration. A student who fails to meet these standards is placed on academic probation and limited to a program of 12 credits (four courses) maximum until he/she attains satisfactory academic standing. The minimum acceptable performance for continued study at St. John’s College is a cumulative index of 1.5 at the end of the first year, 1.75 at the end of the second year and 1.9 at the end of the third year. A cumulative and major grade point average of 2.0 is required for graduation.

Attendance Policy

Regular and prompt attendance is expected of all students and is an individual student’s responsibility. Absence from class does not excuse a student from any work missed. Students are responsible for all announced exams and for submitting all assignments given in class at a proper time. Ignorance of such exams and assignments is not an acceptable excuse for failure to complete them.

Individual faculty members determine participation requirements and if a makeup exam will be given as stated within their course outlines and requirements. Several types of courses such as writing courses, science laboratories, global language and culture courses, art studios and speech performance courses are not covered under this general requirement and may have specific attendance requirements. Students are responsible for the published attendance requirements in any course for which they are registered.

Pass-Fail Option

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

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

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

Application for the Pass-Fail Option must be made on-line through UIS. In any given semester, a student may elect the Pass-Fail Option up to and including the last date designated for withdrawal from class without academic penalty. The Pass-Fail Option is also reversible during the same time period.

Make-up Examinations

St. John’s College adheres to the general University policies regarding examinations as stated in the Academic Information and Regulations section of this bulletin. Tests, term papers and assignments are given at the discretion of the instructor. Credit is not given for a course unless all assignments have been satisfactorily completed. All work must be submitted no later than the last meeting of the course.

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

A special grade of ABF (Absent from Final) may be given to any student who has completed all course requirements but who misses the final examination because of circumstances that are typically beyond the control of the student. Any student receiving the ABF must submit an explanation, together with substantiating evidence, to his/her Dean's office immediately. The Academic Dean of the college in which the student is enrolled then determines if the student is permitted to take a make-up exam. If permission is granted a make-up will be scheduled and a fee of $80 must be paid to the Bursar prior to the scheduled make-up date. The make-up fee may be waived at the discretion of the Dean. Make-ups must be completed in the most immediate time frame that is reasonable for the circumstances of the case. In no case shall the scheduled make-up be extended past the end of the following term.

Graduate-Level Courses

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

Other Academic Policies

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

Students must complete at least one major sequence and may opt to complete more than one sequence or one or more minors. Students may take up to 12 credits in additional major courses. Credits in a major beyond the 12-credit limit will not be credited toward the degree. All major and minor changes must be approved by the Dean's Office. With permission of the Dean, students may be allowed to take courses at other accredited institutions. Students must provide a written request including the course title and description, the institution and the proposed timeframe. Students must have a minimum 2.0 GPA, must meet the criteria established by the faculty for taking external courses and should inquire in the college office before they make their request.

For all students, including both internal and external transfer students, a maximum of 18 credits of professional courses (education, business, computer science, pharmacy science, etc.) may be applied to the degree. Students in an approved adolescence education program leading to teaching certification may take up to 36 credits of education courses toward their degree requirements.

Honor Societies

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

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

- Alpha Kappa Delta: Sociology
- Alpha Psi Omega: Theatre
- Epsilon Delta: Speech Communication Arts and Public Address
- Gamma Kappa Alpha: Italian
- Lambda Alpha Sigma: Anthropology
- Omicron Delta Epsilon: Economics
- Phi Alpha Theta: History
- Pi Delta Phi: French
- Pi Mu Epsilon: Mathematics
- Psi Chi: Psychology
- Roger Bacon: Biology, Chemistry, Mathematics, Physics, Psychology or Environmental Studies
- Beta Lambda: National Slavic Honor Society
- Sigma Alpha Eta: Speech-Language Pathology and Audiology
- Sigma Delta Pi: Spanish
- Sigma Pi Sigma: Physics
- Sigma Tau Delta: English
- Theta Alpha Kappa: Theology

Academic Awards, Distinctions and Prizes

Students may be awarded academic distinction for outstanding scholastic performance by being named to the Dean's Honor List. To qualify, a student must average 3.4 (minimum of 12 credits per semester) for consecutive fall and spring semesters in any academic year. Annually, a Gold Key for academic excellence is awarded to a qualifying senior in each department of St. John's College. The recipient of each award is selected by the Chair of the department on the basis of the student's outstanding scholastic achievement in his/her major field, the student's overall academic performance and the recommendations of their department's faculty. Silver Keys are also awarded to outstanding juniors in each major department, based on similar criteria.

Special Programs

Combined Degree Programs

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

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

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

To be considered for a combined degree program, applicants must have completed the sophomore year with at least a 3.0 overall index (including the Core requirements) and a 3.5 index in 12 credits applicable to the major.

Students should consult the St. John's College Dean's Office for additional qualification/
St. John’s College offers the following programs as collaborative programs with Tobin College of Business

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

Collaborative Programs

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

B.S./D.P.M. and B.S./O.D.
These highly competitive accelerated programs permit qualified students to earn a B.S. in biology from St. John’s and a D.P.M. from New York College of Podiatric Medicine, or an O.D. from SUNY Optometry, in seven years. These programs are only open to incoming freshman with superior credentials. Admission interviews are required. All science courses for these combined degree programs are conducted on the Queens campus.

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

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

Evening and Weekend Degree Programs
In recognition of the special needs and obligations of students who are full-time members of the workforce, St. John’s College offers several evening and weekend undergraduate degree programs on the Staten Island campus. Evening and weekend degree programs offer B.A. degrees in English and Psychology.

Class times are arranged in consideration of full-time employment schedules. For additional information, interested students should contact the Staten Island Dean’s Office.

Independent Study and Readings Guidelines
Student must submit to the Department Chair a contract signed by a faculty member from the student’s major department. Contract must include: A brief description of the course of study, a representative and tentative bibliography; the requirements established by the faculty member and approval of the contract by the Department Chair.

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

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

Three-Year Baccalaureate Program
The highly selective Three-Year Baccalaureate Program leads to the traditional bachelor’s degree in three rather than four years. Admitted students complete 96 credits for their degree. This accelerated program is available to all qualified B.A./B.S. students, but is not open to students pursuing a B.F.A. degree. Mathematics and Science students must consult the Dean to discuss special program needs. All interested students should consult their campus Dean’s Office prior to applying to the University.

Institute of English as a Second Language
For program information, consult the Languages and Literatures Department section of this bulletin.

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

Pre-Professional Advisory Programs

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

Pre-Health Studies/Pre-Health Advisory Committee
Pre-Health Studies are designed to provide background for entry to medical or health professional schools. Basic curriculum requirements for acceptance to the Pre-Health Studies program include:

- Biology (one year)
- Chemistry (two years)
- English (one year)
- Mathematics (one year)
- Physics (one year)

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

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

Note: All Science courses requiring laboratory co-requisites are held on the Queens campus. There is a $5 charge to send out any Pre-Health recommendation packages after the twelfth package.

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

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

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

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

Bachelor of Arts
Core Curriculum and Major Requirements

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<th>University Common Core Courses:</th>
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<td>Discover New York</td>
<td>3</td>
</tr>
<tr>
<td>English 1000C</td>
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<td>English 1100C</td>
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<td>Science 1000C</td>
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<td>Philosophy 3000C</td>
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<tr>
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<td><strong>Total</strong></td>
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<th>University Distributed Core Courses:</th>
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<tbody>
<tr>
<td>Foreign Language</td>
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<tr>
<td>Mathematics 1000C</td>
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<tr>
<td>Philosophy 2200C</td>
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<tr>
<td>Theology 2000 level</td>
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<tr>
<td>Theology 3000 level</td>
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<tr>
<td>Social Sciences</td>
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<td><strong>Total</strong></td>
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<tbody>
<tr>
<td>Art or Music</td>
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<tr>
<td>and</td>
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<tr>
<td>Core Elective</td>
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<td>Core Elective</td>
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<tr>
<td>Core Elective</td>
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<tr>
<td>(in three different fields outside of major area)</td>
<td><strong>12 credits</strong></td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>42 credits</strong></td>
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**Major Requirements:** 30 to 49 credits
(see departmental pages for specific details)

**General Electives:** 17 to 33 credits
**Graduation total:** 126 credits minimum

Bachelor of Science
Core Curriculum and Major Requirements

- **Physics 8–16 credits**
- **Mathematics 8 credits**
- **Env. Studies 8 credits**
- **Chemistry 16 credits**
- **Biology 36 credits**
- **Mathematics 55 credits**
- **Physics 23–37 credits**
- **Chemistry 16 credits**
- **Env. Studies 8 credits**
- **Mathematics 8 credits**
- **Physics 8–16 credits**
- **Chemistry 16 credits**
- **Env. Studies 8 credits**
- **Mathematics 8 credits**
- **Physics 8–16 credits**
- **Art or Music 3 credits**
- **St. John’s College Core Courses:**
  - Discover New York | 3 |
  - English 1000C | 3 |
  - English 1100C | 3 |
  - History 1000C | 3 |
  - Science 1000C | 3 |
  - Philosophy 1000C | 3 |
  - Philosophy 3000C | 3 |
  - Theology 1000C | 3 |
  - Speech 1000C | 3 |
  - **Total** | **24 credits** |
  - **University Distributed Core Courses:**
    - Foreign Language | 6 |
    - Philosophy 2200C | 3 |
    - Theology 2000 level | 3 |
    - Theology 3000 level | 3 |
    - Social Sciences | 3 |
    - **Total** | **18 credits**

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<thead>
<tr>
<th><strong>St. John’s College Core Courses:</strong></th>
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<tbody>
<tr>
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<tr>
<td>Core Elective</td>
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<td>Core Elective</td>
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<td>(in two different fields outside of math/science)</td>
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**Major Requirements:** 33 to 55 credits
(see departmental pages for specific details)

**Additional Math or Science Requirements Specific to Each Major Field:**

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

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<th><strong>Major Requirements:</strong></th>
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<tr>
<td>Biology</td>
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<td>Chemistry</td>
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<td>Env. Studies</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>Physics</td>
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</table>

**General Electives:** 7 to 23 credits
**Graduation total:** 126 credits minimum

Bachelor of Fine Arts
Core Curriculum and Major Requirements

<table>
<thead>
<tr>
<th>University Common Core Courses:</th>
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<tbody>
<tr>
<td>Discover New York</td>
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<tr>
<td>English 1000C</td>
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<tr>
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<tr>
<td><strong>Total</strong></td>
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<tr>
<th>St. John’s College Core Courses:</th>
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<tbody>
<tr>
<td>Fine Arts</td>
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<tr>
<td>Graphic Design</td>
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<tr>
<td>Illustration</td>
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<tr>
<td>Photography</td>
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<tr>
<td>(see Art and Design departmental pages for specific requirements regarding portfolios and internships)</td>
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</tbody>
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**General Electives:** None
**Graduation total:** 132 credits minimum

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Discover New York DNY  1000C
THEMES:
The Global City
The Arts
Social Justice
Communication
Literature
Social Institutions
Urban Development
Business and Commerce
Environment and Sustainability

Writing Composition ENG 1000C
THEMES:
Thinking globally, writing locally
Dialogues across cultures and time
Writing and social justice
Traversing genre: Writing across forms
Writing for self, college, and world
Poetics of place
Reading, writing, and reflection
Bookmaking as critical inquiry
People's writing
Reading and writing multimodal texts
Making the strange familiar and the familiar strange
Writing encounters

Scientific Inquiry SCI 1000C
THEMES:
Atomic Theory
Ecology/Evolution
Evolution
Forensics
Infectious Diseases
Plate tectonics
Kinesiology
Origins of the Universe

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

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

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

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

Scientific Inquiry (SCI 1000C) introduces students to the way scientists think about and view the world. Through a specific theme, such as evolution, atomic theory, energy, or plate tectonics, students will develop their critical thinking and quantitative reasoning skills. The historical development of the specific theme is explored to learn how scientific theories change and develop over time as new discoveries occur. Science is empirical in nature. To understand the process of science, students investigate how experiments are designed and the results interpreted. Students learn the logic of the scientific method and how it may be used to solve problems in their everyday lives. In science, the data are the data, but how they are interpreted and presented has implications on all our lives, from government funding, to medical decisions, to the food we eat. They also learn how data may be biased and misinterpreted using historical examples. Finally, because science is not conducted in a vacuum, and it impacts the world around us, the students analyze societal issues that deal with science in terms of values, ethics and responsibilities.
Anthropology (ANT)
Please see p. 81-84

Art/Art and Design (ART)
B.F.A. Major Sequences

Fine Arts
84 semester hours including: ART 1110, 1105, 1200, 1210, 1510, 1710, 1720, 2120, 2220, 2230, 2310, 2320, 2520, 2750, 2790, 2800, 3240, 3350, 3560, 4110; 1125 or 1105; 4909 (nine-credit internship), or 4125 (nine credit Creative Thesis); plus twelve elective credits from the approved ART elective list as recommended by the department advisor.

Graphic Design
84 semester hours including: ART 1110, 1105, 1125, 1130, 1200, 1510, 1710, 1720, 2115, 2120, 2125, 2130, 2145, 2750, 3110, 3115, 3120, 3125, 3135, 3350, 4120; 4909 (nine-credit internship), or 4125 (nine credit Creative Thesis), plus 12 elective credits from the approved ART elective list as recommended by the department advisor.

Illustration
84 semester hours including: ART 1110, 1105, 1120, 1210, 2220, 2230, 2310, 1510, 1710, 1720, 2750, 1105, 1270, 2280, 3115, 3110, 2145; 4909 (nine-credit internship), or 4125 (nine credit Creative Thesis), plus 24 elective credits from the approved ART elective list as recommended by department advisor.

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

Minor Sequences

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

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

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

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

Music
18 semester hours including: MUS 1010, 1020, 1210; any three credits from piano/voice/organ, and two elective courses from MUS 1070, 1080, 1230, 1240, 1250, 1260, 1300, 2020. Note: Approved ART electives list is available upon request in the department office.

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

Photography Workshop (Mini-Course)
1005 Drawing Experiments
A course in creativity and the language of drawing for the non-major. Line, volume, perspective, spatial composition, proportion, value and movement are explored, as students confront the outer and inner worlds through the materials of drawing.
Credit: 3 semester hours. Studio fee, $50.

1060 Watercolor Workshop (Mini-Course)
An intensive course in the watercolor medium. Projects are structured to teach students visual sensitivity and creativity. Applicable to major/minor sequences with written permission of the chair.
Credit: 3 semester hours. Studio fee, $50.

1070 Printmaking Workshop (Mini-Course)
An introduction to woodcut and etching. Projects are structured to teach students visual sensitivity and creativity. Applicable to major/minor sequences with written permission of the chair.
Credit: 3 semester hours. Studio fee, $50.

1080 Photography Workshop (Mini-Course)
A workshop course designed to develop a student’s ability with the use of the camera as a tool for self expression. Applicable to major/minor sequences with written permission of the chair. Digital camera required.
Credit: 3 semester hours. Studio fee, $50.

Non-Major Art Courses

1000C The Creative Process
A study of creativity as it is manifested in the fine arts: the visual arts, music, theatre and dance. Museum, theatre, concert visits required.
Credit: 3 semester hours. Studio fee, $50.

1010 Craft as Visual Art
An introduction to basic craft skills for the general student. Projects may include simple printmaking and book construction, puppet making, fiber techniques and sculpture. Classroom application of these skills is emphasized. Studio.
Credit: 3 semester hours. Studio fee, $50.

1020 Art in New York (Mini-Course)
An on-site survey of New York City’s galleries and museums. Students visit major New York art institutions and view their collections.
Credit: 3 semester hours. Museum fee, $50.

1030 Understanding Art
An overview of art appreciation and history for the general student. Students study selected periods of art while learning the language of vision. Museum visits required.
Credit: 3 semester hours.

1040 Creative Experiments
Explorations in creativity in the visual arts for the non-major. Drawing, collage, simple printmaking, clay and other two-and three-dimensional materials are used, at the discretion of the instructor, to develop the student’s creative potential.
Credit: 3 semester hours. Studio fee, $50.

1050 Drawing Experiments
A course in creativity and the language of drawing for the non-major. Line, volume, perspective, space composition, proportion, value and movement are explored, as students confront the outer and inner worlds through the materials of drawing.
Credit: 3 semester hours. Studio fee, $50.

1085 Introduction to Photography
An introduction to the tools, techniques and creative aspects of the photographic medium, for non-majors.
Credit: 3 semester hours. Studio fee, $50.

1086 Intermediate Photography
Prerequisite: ART 1085 or 1080. An exploration of intermediate, techniques, aesthetics, criticism and processes of photography.
Credit: 3 semester hours. Studio fee, $50.

1090 Jewelry Design
Principles of two-and three-dimensional design applied to jewelry. Students design ornaments in a variety of materials with emphasis given to cutting, hammering, soldering, braising and wax-casting of copper and brass. Gallery and museum visits are required.
Credit: 3 semester hours. Studio fee, $50.

Major Art Courses

1105 Introduction to Graphic Design I
A studio introduction to the fundamentals of visual communication. Course includes formal application of design principles as well as exposure to tools, computer technology,
methodology and visual analysis involved in the nature of message design. Credit: 3 semester hours. Studio fee, $50.

1110 Foundation Design
A basic course in the elements of design and the principles of composition, pictorial space and structure as they relate to image making. Credit: 3 semester hours. Studio fee, $50.

1115 Introduction to Graphic Design II
Prerequisite: ART 1105. Continued exploration and exposure to visual communication problems and principles. Experimental opportunities with symbol design, form and progression problems, typography and analysis of the visual language of representation and interpretation. Credit: 3 semester hours. Studio fee, $50.

1130 Color: Theory and Application
An exploration of the properties and perception of color and its function in the effective manipulation of visual communication. Credit: 3 semester hours. Studio fee, $50.

1135 Digital Media I
Introductory course exploring the use of computers as a tool in the visual arts. Students will use computers to solve visual problems, and create digital images. Credit: 3 semester hours. Studio fee, $50.

1200 Introduction to Drawing I
Black and white drawing materials, such as pencil, pen, brush and ink, conte, charcoal and chalks, are explored. Students are guided by problems in direct observation, linear and elliptical perspective, space, composition, modeling, and line quality. Credit: 3 semester hours. Studio fee, $50.

1210 Introduction to Drawing II
Prerequisite: ART 1200. New drawing materials are introduced as students work toward exploring the visual world with increasing technical facility, emotional expressiveness and imagination. Credit: 3 semester hours. Studio fee, $50.

1250 Italian Sketchbook (Abroad)
A studio course in drawing and watercolor techniques, using the architecture, landscape and people of Italy as subject. Credit: 3 semester hours.

1255 The French Sketchbook (Abroad)
A studio course in drawing and watercolor techniques, using landscape, architecture, and people of France as subject. Credit: 3 semester hours.

1270 Illustration I
An introductory illustration course that provides students with a basic overview of visual perception; using materials, techniques and the creative application of the principles of art to illustrative problem solving. Credit: 3 semester hours. Studio fee, $50.

1280 Digital Illustration
An introduction to the central features and functions of Adobe Illustrator, the industry’s leading vector-based application that is currently used as an illustration, technical drawing, animation and vector paint program. Credit: 3 semester hours. Studio fee $50.

1290 Introduction to Cartooning
A studio course in cartoon and caricature. Students receive experience in the use of materials and techniques in their creative application. Credit: 3 semester hours. Studio fee, $50.

1370 Aqueous Media in Paris (Abroad)
An introduction to water-based painting using the architecture, people and landscape of France as subject matter. Studio. Credit: 3 semester hours.

1510 Printmaking I: Relief and Intaglio
This course introduces the methodologies and concepts of relief and intaglio printmaking processes. These processes include linoleum and wood cut, found objects, dry point etching and variations of intaglio. Credit: 3 semester hours. Studio fee, $50.

1610 Photography I
An introduction to the tools, techniques and creative aspects of the photographic medium. DSLR camera recommended. Credit: 3 semester hours. Studio fee, $50.

1620 Photography II
Prerequisite: ART 1610 or 1085 with permission of chair. This course will emphasize the critical analysis and development of the student’s personal photographic work, and the refinement of basic techniques in both analog and digital photographic processes. DSLR camera recommended. Credit: 3 semester hours. Studio fee, $50.

1630 Digital Photography
Prerequisite: ART 1105 or 1610, or 1085 with permission of chair. An in-depth look at the central features and functions of Adobe Photoshop and Lightroom. Credit: 3 semester hours. Studio fee, $50.

1640 Introduction to Video Art
Introduction to video as a fine art medium addressing historical and conceptual background as well as the techniques and tools for developing works. Credit: 3 semester hours. Studio fee, $50.

1660 History of Photography
An historical survey of the evolution of photography from its beginnings to the present time. Credit: 3 semester hours.

1670 Photography in Paris (Abroad)
As seen through the viewfinder. Digital camera required. Credit: 3 semester hours.

1710; 1720 The History of Art I and II
This course surveys the history of painting, sculpture and architecture from the prehistoric era to the present day. Credit: 3 semester hours.

1730 Pre-Columbian Art
A survey of the art and culture of selected civilizations of the ancient Americas, including the Aztec, Inca, Maya and Taino. Credit: 3 semester hours.

1740 Modern Architecture
The history of architecture and urban planning predominantly in the United States and Europe from the mid-19th century to the present. The development of architecture in relation to political, economic, and social histories will be addressed. Credit: 3 semester hours.

1775 Art and Architecture in France (Abroad)
An overview of painting, sculpture, and architecture in rural France and the city of Paris from Roman Gaul through the 19th century. Credit: 3 semester hours.

1780 The Art of the Renaissance in Italy (Abroad, Mini-Course)
This course surveys the visual arts of the Renaissance in Italy. It may be substituted for Art 1720 (The History of Art II). Credit: 3 semester hours.

1785 Italian Renaissance Art and Literature
This course is an investigation of classical humanism in Italian literature and art covering the period that spans roughly 1350–1550 (primarily abroad). Credit: 3 semester hours.

1790 Survey of Art and Architecture in Italy (Abroad)
A comprehensive survey course in the history of the visual arts and architecture on the Italian peninsula from ancient times to the modern era. Credit: 3 semester hours.
1795 The City of Rome (Abroad)
A study of the city of Rome through its art, historical periods, literary and cultural movements, and physical structure.
Credit: 3 semester hours.

1810 The Art of Film I
This course introduces the student to the study of film as an academic discipline by defining the basic components of film practice, their historical developments and their specific applications in conveying meaning and ideological premises. Credit: 3 semester hours.

1820 The Art of Film II
This comparative study of the classical Hollywood cinema and modes of cinematic representation in other national cinemas and the avant-garde analyzes the cinema’s relationship to culture’s dominant ideological formations. Credit: 3 semester hours.

1830 Racism in Film
Examines some of the causes and effects of racism within culture and analyzes how films organize their formal properties into strategies that promote and/or reinforce racist values and belief systems. Credit: 3 semester hours.

1840 Sexism in Cinema and Television
This course analyzes the manner in which sexism functions as an ideological institution within American culture in and through cinema and television. Credit: 3 semester hours.

2115 Graphic Production
Continued exploration and exposure to the craftsmanship, terminology and technology necessary in the production of print media. Emphasis is on producing projects, from concept to camera-ready art, using the computer programs relevant to the field. Credit: 3 semester hours. Studio fee, $50.

2120 Three-Dimensional Design
The principles of design as applied to three-dimensional structural form. Additive, subtractive, constructive and kinesthetic processes are explored. Credit: 3 semester hours. Studio fee, $50.

2125 Typography
Exposure to the study of typography as visual communication tool. Experimental studies and related problems involving the fundamentals of type, theory, application, technology and history. Credit: 3 semester hours. Studio fee, $50.

2130 Motion Graphics
Prerequisite: ART 1115 or ART 1105. The fundamentals of design in motion. Using video, still imagery and sound, students will study techniques of dubbing, assembling and inserting visuals to create graphics for television, the Web and cinema title design. Studio. Credit: 3 semester hours. Studio fee, $50.

2135 Advanced Computer Graphics
An advanced course in computer graphics provides the opportunity to produce portfolio quality computer-generated graphics as it applies to print and television media using the Macintosh and IBM Graphic Workstations. For the non-major. Credit: 3 semester hours. Studio fee, $50.

2145 History of Visual Communications
A comprehensive overview of the history of humanity’s effort to give visual form to ideas and concepts, to store knowledge and give order and clarity to information. Credit: 3 semester hours.

2220 Anatomy and Figure Drawing I
The human skeleton and musculature are studied while drawing from the model. Basic proportions and movement of the figure in space are emphasized. Credit: 3 semester hours. Studio fee, $50.

2220 Anatomy and Figure Drawing II
Prerequisite: ART 2220. The figure is studied in detail and used as the basis for experiments in space composition. Students work for emotional expressiveness as well as fluent accuracy and technical facility. Credit: 3 semester hours. Studio fee, $50.

2240 Drawing for Illustration
A course designed to the development and application of drawing skills relative to creative illustration problems. Studio. Credit: 3 semester hours. Studio fee, $50.

2250 Drawing and Design in Rome (Abroad)
An exploration of the rich artistic stimulus of Rome as the basis for understanding the fundamental structures of visual organization. On-site drawing- and studio-based projects. Side trips to Pompeii, Paestum, Siena, Assisi and Florence. Credit: 3 semester hours.

2260 NYC Sketchbook
Open to the absolute beginner and the advanced art student as well, this distance learning drawing course enables students to work at their own pace. All course work will be independently achieved and assessed using a distance-learning mode. Credit: 3 semester hours.

2280 Illustration II
Prerequisite: ART 1270. A course in advanced illustration that expands upon concepts and techniques acquired in ART 1270. Emphasis on specialized application of illustrative skills: medical, technical, product, anthropological, natural science illustration and illustration as journalism. Credit: 3 semester hours. Studio fee, $50.

2310 Painting I
An introduction to painting composition emphasizing the development of various technical skills. Projects are observation-based and employ perspective, color theory, and process. Credit: 3 semester hours. Studio fee, $50.

2320 Painting II
Prerequisite: ART 1200, 2310. This course builds on the principles of Painting I encouraging investigation into painting’s conceptual, material, and expressive possibilities. Credit: 3 semester hours. Studio fee, $50.

2340 Painting in Italy (Abroad)
An Introduction to the medium of painting with an emphasis on developing a knowledge of color theory and its application to the painting process. Painting on-site with the ancient city of Rome and the surrounding countryside as a setting, focus is on developing structure in composition and sensitivity to light and atmosphere. Lectures and museum visits help students understand the cultural context of the work of Italian ancients, modernist and European and American painters in Italy. Credit: 3 semester hours.

2430 Figurative Sculpture
An introduction to the principles and practices of figure sculpture. Studio. Credit: 3 semester hours. Studio fee $30

2520 Printmaking II
This course introduces the methodologies and concepts of planographic methods of printmaking processes. These processes include stencils, screen-printing, transfer methods, monoprints and variety of newer adaptations, such as polyester plate lithography. Credit: 3 semester hours. Studio fee, $50.

2650 Documentary Photography
Prerequisite: ART 1610, 1085 or 1080 can also serve as prerequisite with permission of chair. Documentary approaches to photographing people, places and events; creation of photographic images that articulate a vision of social and interpersonal issues. DSLR camera recommended. Credit: 3 semester hours. Studio fee, $50.

2740 European Art–19th Century
This course surveys developments in European painting, sculpture and architecture from 1789 through the close of the 19th century. Credit: 3 semester hours.

2750 Twentieth-Century Art
This survey course introduces students to methods of visual, critical and art historical analysis, focusing on art works, artists and art movements, critical writing and art institutions of the twentieth century, treated in light of socio-political and cultural developments of this period. Credit: 3 semester hours.

2760 Latin American Art: Encounters Between Two Worlds
A study of the art history of Latin America from Pre-Columbian times to the colonial
and the modern periods, all of which were characterized by widespread and intensive encounters between people of radically different cultural values. Credit: 3 semester hours.

2770 Women in the Arts
This course surveys art and gender through studies of the expanded canon of art history and of critical, theoretical and historical writing on the subject. This course covers material treated in the Art 1710–1720 sequence (The History of Art I and II) through the lens of gender and therefore and may be substituted for these courses. Credit: 3 semester hours.

2790 Contemporary Art and Culture, 1945–Present
Focusing on international art of the postwar period, this course examines works, artists, art movements, exhibitions and institutions in relation to critical and theoretical texts and through interdisciplinary methods locates developments in global contemporary art in socio-political and cultural contexts. Credit: 3 semester hours.

2800 Criticism Theory & Practice
A survey of theoretical texts informing contemporary art making over the last three decades and the application of new vocabulary, concepts, and analytical tools in creative studio work. Credit: 3 semester hours.

2929 Culture of Southern Italy, A Visual Journey (Abroad/Mini-Session)
A workshop photography course concentrating on the documentation of people, places, culture and history. Digital camera required. Credit: 3 semester hours.

3110 Professional Portfolio
A pre-professional course in which students with clarified career goals refine and perfect their portfolios by emphasizing the needs and concerns of target markets. Business skills, legal, contractual and taxation issues prepare the student for the professional world. Credit: 3 semester hours. Studio fee, $50.

3115 Book Arts
Prerequisite: ART 1105 and ART 1510. This course will introduce students to the book as an art form. Emphasis is on visual and conceptual structuring of the book that investigates the interplay between idea and form. Various methods of book construction will be taught along with basic printing techniques encompassing traditional and digital methods that focus on the sequencing of images. Credit: 3 semester hours. Studio fee, $50.

3120 Web Design
Prerequisite: ART 1105, 1115. This course is specifically structured to introduce art majors to the tools and visual language required for successful web design. The student will systematically learn how to build WEB sites using Dreamweaver and other pertinent programs. Credit: 3 semester hours. Studio fee, $50.

3125 Advanced Typography
Prerequisite: ART 2125. Complex typographical concerns exploring the use of type in a variety of medias, with emphasis on the development of a personal typographical problem solving. Studio. Credit: 3 semester hours. Studio fee $30

3130 Advanced Web Design Course
Prerequisite: ART 1115, 3120. This course in Advanced Web Design is structured to introduce art majors to media rich Web design via the “flash” Macromedia plug-in. This design course allows students to add animation and interactivity to their Web design projects. Credit: 3 semester hours.

3135 Junior Design
Prerequisite: ART 1105, 1115, 3125, or 2115. This course will emphasize the formal visual and theoretical competencies needed in design problem solving though the use of advanced level studio projects. The class will also respond to contemporary issues in the graphic design though reading, written projects, field trips and class lectures. Students will be encouraged to make connections between design theory and methodology explored in lectures and their own work. Credit: 3 semester hours. Studio fee, $50.

3240 Drawing III
Prerequisites: ART 1200, 1210 This course focuses on the activity of drawing through the exploration of a variety of mediums and contemporary processes. While working from the basis of their own thematic and formal concerns, students will be directed through a series of experimental projects that investigate the fabrication of line and its relationship to other media. Credit: 3 semester hours. Studio fee, $50.

3330 Acrylic Painting
Developing a focus in stylistic and content concerns, this investigation pursues a refinement of the student’s directions in painting. Credit: 3 semester hours. Studio fee, $50.

3340 Figurative Painting (Painting III)
Developing a focus in figurative concerns, this investigation pursues a refinement of the student’s directions in painting. Credit: 3 semester hours. Studio fee, $50.

3350 Mixed Media Concerns
An advanced level of research pursuing high standards of studio creativity and application. Credit: 3 semester hours. Studio fee, $50.

3550 Experimental Printmaking
Prerequisite: Art 2530. This course encourages further exploration of various printmaking media including digital printmaking. For advanced printmakers. Credit: 3 semester hours. Studio fee, $50.

3560 Studio Seminar I
This studio course introduces students to methods for independent creative inquiry and artistic production. The course encourages thematically unified projects that are inventive and topical. Credit: 3 semester hours.

3565 Studio Seminar II
In this advanced level studio course students will create a body of creative work that responds to evolving issues within society and Contemporary Art. Credit: 3 semester hours.

3710 Contemporary Photography
Survey of contemporary photography examining the major changes and movements since 1960. Students will study images that span across genres of photography, meet professional photographers, editors and curators. Credit: 3 semester hours.

4000 Special Topics in Art
A study of special themes and topics in art history from the twentieth century to the present. The course is intended to supplement regular course offerings in the Department of Art and Design. Credit: 3 semester hours

4120 Senior Design
Prerequisite: ART 1105, 1115, 2115, 2125 or 3125. The development of theories and practices for communication design exploring social responsibility, sustainability, ethics, client relations, originality and compensation are covered. Studio. Credit: 3 semester hours. Studio fee $50.

4125 Creative Thesis
Restricted registration. Open to senior B.F.A. degree candidates only, upon recommendation of the Chair and Faculty Review Committee. Prerequisite: Completion of 78 art credits. A written statement of intention by each individual, followed by the creation of a major or related body of work in the area of concentration. Credit: 9 semester hours. Studio fee, $50.

4909 Internship
Restricted registration. Open to senior B.F.A. degree candidates only, upon recommendation of the Chair and Faculty Review Committee. Prerequisite: Completion of all required studio art courses. Students are placed in design studios, advertising agencies, galleries, museums or other institutions concomitant with their career aspirations, where they gain practical experience in real situations under the supervision of working professionals. Credit: 9 semester hours.

4953 Independent Study (Art)
A semester of independent work in the student’s major field of concentration. (permission of the Department Chair required). Credit: 3 semester hours.
Music Course Offerings (MUS)

Literature and History of Music

1010 Introduction to Music
An introduction to the art of listening to music through a discussion of the basic musical elements and musical structures. Credit: 3 semester hours.

1070 The Opera
Development of the opera from its antecedents prior to the 17th century through to the present, with particular emphasis on the distinct nature of opera as an independent art form. Credit: 3 semester hours.

1080 World Music
A survey of the history and development of music as a worldwide phenomenon, utilizing ethnomusicological methodology and cultural analysis as process. Credit: 3 semester hours.

1085 Popular Music of the Non-Western World
The course introduces students to ethnomusicology and the cross-cultural study of popular music and culture. It explores music, performance and ideas from around the world. The course explores the role of music in human life. Ability to read musical notation is not required. No musical background is required. Credit: 3 semester hours.

1210 Twentieth Century Music
An in-depth study of the major musical trends of the 20th century. Credit: 3 semester hours.

1230 History of American Popular Music
A survey of popular music in America from colonial times to the present; a study of how popular music reflects the times and trends of American society. Credit: 3 semester hours.

1240 History of Music in Film
A survey of the history and development of music in films from its earliest use to present inclusion in motion pictures. Credit: 3 semester hours.

1250 Sacred Music
An intensive study of the literature of sacred music of the Western world from ancient times to the present. Credit: 3 semester hours.

1260 The American Musical Theatre
The history of the American musical; its early influences, its continued stylistic changes and its current trends. Credit: 3 semester hours.

1300 History of Jazz
A survey of the history and development of jazz as a unique American art form; the sociological, folk and primitive backgrounds of jazz, as well as its development as an improvisatory art; the contributions of jazz to concert music. Credit: 3 semester hours.

Theory and Composition

1020 Theory I
Scales, intervals, sight-singing, ear training, melodic dictation, elementary keyboard work, and the explanation of musical terminology. Credit: 3 semester hours.

2020 Theory II
Prerequisite: MUS 1020. A study of triads, sevenths, ninth, chords and elementary modulations; further practice in ear training, harmonic analysis of compositions with emphasis on the Bach chorales. Credit: 3 semester hours.

Applied Music

1600; 2600 Piano I; II
Private lessons in piano. Instructor’s studio and limited teaching on campus; access to a piano required. Credit: 1 semester hour per semester. Special fee, $350.

1620; 2620 Voice I; II
Private lessons in voice. Instructor’s studio or on campus. Credit: 1 semester hour per semester. Special fee, $350.

Asian Studies (ASC)

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

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

Other Accelerated Degree Programs

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

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

Asian Studies Course Offerings (ASC)

1230 Contemporary China
An introduction to modern China from World War II to the present, with special emphasis on the problems of political, social and economic development. Credit: 3 semester hours.

1250 Contemporary Japan
The political, economic, social and religious development of Japan from the end of World War II to the present. Credit: 3 semester hours.

1300; 1310 Introduction to the Civilizations of Asia I and II
An introduction to the historical, political, economic and social forces that have shaped and continue to influence the modern civilization of Asia. Credit: 3 semester hours.

1330 Contemporary Korea
An introduction to modern Korea from WWII to the present, with special emphasis on the political, social and economic problems facing the divided Korean nation. Credit: 3 semester hours.

1480 Introduction to Chinese Thought
The basic ideas and concepts of Chinese civilization as expressed in its philosophy and writings from ancient to modern times. Credit: 3 semester hours.

1490 Introduction to Japanese Thought
The basic concepts of Japanese civilization as expressed in its philosophy and literature from ancient to modern times. Credit: 3 semester hours.

1650 Sports in China
The impact of sports in China, domestically and internationally. Credit: 3 semester hours.

1800 Introduction to Buddhism
The origin of Buddhism in India: its metaphysics, ethics, monastic order and scriptures. Credit: 3 semester hours.

2210 Chinese Literature in Translation
An introduction to important Chinese works in translation from ancient to modern times, with special emphasis on major trends and genres in the historical development of literature in China. Credit: 3 semester hours.

2380 American Investment in China
An introduction to American businesses’ rewards and risks in China: foreign direct investment and capital market investment. Credit: 3 semester hours.
2480 Doing Business in China
Challenges confronting American businesses seeking opportunities afforded by China's massive economic reform, including issues such as strategic alliances, investments vehicles, marketing and distribution.
Credit: 3 semester hours.

2510 History of Modern East Asia
The forces and events that have shaped 20th century China, Japan, Korea and Korea including modernization, the emergence of nationalism, imperialism, Communism and the problems of the contemporary period.
Credit: 3 semester hours.

2530 History of Modern China
The tragedies and triumphs of China in the modern world: the fall of the Manchu Empire, warlordism, WWII, civil war, the Communist Revolution, Maoism, the recent economic miracle and strategic choices for the future.
Credit: 3 semester hours.

2540 America Meets China
A historical look at the encounter between the U.S. and China from 1785 to the present, as a prologue to the uniquely American forms of globalism and multiculturalism.
Credit: 3 semester hours.

2610 Discovering China
Introduction to Chinese culture: institutions, philosophical trends, religion, art, literature, family/marriage, science and technology.
Credit: 3 semester hours.

2710 Governments and Politics of the Far East
The political and institutional developments in the Far East, with major emphasis on China, Japan and Korea, their political backgrounds and present foreign relations.
Credit: 3 semester hours.

2720 Governments and Politics of South and Southeast Asia
The political and institutional developments of South Asia, emphasizing India, Pakistan, Bangladesh, Sri Lanka and those of Southeast Asia, emphasizing Vietnam, Indonesia and the Philippines.
Credit: 3 semester hours.

3710 Banking in East Asia
Banking in East Asia: core banking functions, types of banks, diversification of banking activities, risk management issues, bank failure and financial crises, and competitive issues.
Credit: 3 semester hours.

4953 Reading and Research
Restricted Registration. Open to ASC majors only. With permission of the Director, a student conducts research under the guidance of a faculty advisor.
Credit: 3 semester hours.

Chinese Courses (CHI)

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

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

3090; 3100 Readings in Selected Chinese Essays
Prerequisite: CHI 2040 or placement exam. Readings of selected works of representative writers of Chinese literature.
Credit: 3 semester hours.

Japanese Courses (JPN)

1010; 1030 Elementary Japanese
Prerequisite: JPN 1010 is a Prerequisite for JPN 1030. Reading, writing and conversation through a study of all major types of Japanese sentences. Study of the essentials of grammar, pronunciation, accent, intonation and vocabulary is emphasized. Language Laboratory required. Laboratory fee, $50.
Credit: 3 semester hours.

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

3090; 3100 Readings in Selected Japanese Essays
Prerequisite: JPN 2040 or placement exam. Intensive reading of selected essays compiled in Standard Japanese Readers, Book Two. 350 new Kanji are introduced.
Credit: 3 semester hours.

Korean Courses (KOR)

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

2030; 2040 Intermediate Korean
Prerequisite: KOR 1020 or placement exam. KOR 2030 is a Prerequisite for KOR 2040. This course provides a systematic expansion of vocabulary and grammatical forms of standard Korean. Chinese characters, as used in Korean mixed script, are also introduced.
Language Laboratory required. Laboratory fee, $50. Credit: 3 semester hours.

3090; 3100 Readings in Selected Korean Essays
Prerequisite: KOR 2040 or placement exam. Completion of the introduction to Korean writing in mixed script and intensive reading in contemporary Korean essays.
Credit: 3 semester hours.

Biography (BIO)

Major Sequence
29 semester hours including BIO 1000, 1001L, 2000, 2001L, 3000, 3001L and 5 BIO elective courses that account for at least 17 credits. Two of these 5 BIO elective courses must be 4-credit courses. In addition, biology majors are required to take CHE 1210, 1220, 2230, 2240, MTH 1210, 1220 and PHY 1610, 1620 or 1930, 1940.
BIO 1050, 1060, 1360 and 1600 are not applicable to the major sequence. Students are encouraged to take advantage of possibilities for research: BIO 4953 and 4954. Non-biology majors seeking to take one year of Biology should register for BIO 2000 and 3000.

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

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

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

Biology Course Offerings (BIO)

1000 Fundamentals of Biology, I: Introduction to Population Biology
Corequisite: BIO 1001L Laboratory. Evolution, classification and taxonomy, population biology and ecology. Lecture, 3 hours. Laboratory, 3 hours. Credit: 3 semester hours.

1001L Fundamentals of Biology I Laboratory
Corequisite: BIO 1000. Principles of evolution, population biology and ecology from a laboratory perspective. Laboratory, 3 hours. Laboratory fee, $100.

1050 Human Biology
Aspects of human anatomy and physiology. Included are anatomy, physiology, cell biology, genetics, histology, embryology, growth and development. Not open to BIO majors. Credit: 3 semester hours.

1060 Biology and Health
The body in health and disease and a knowledge of the contemporary advances in medicine and allied health fields. Not open to BIO majors. Credit: 3 semester hours.

1070 Environmental Biology
Human ecology and evolution; interrelations between humans and environment at the individual, population and ecosystem levels. Not open to BIO majors. Credit: 3 semester hours.

1360 Biology and Society
Environmental science and its relation to the human condition, changes in population, resources of the earth, chemicals in the environment and human health. Not open to BIO majors. Credit: 3 semester hours. (SI)

1600 Field Biology (Mini-Course)*
General principles of ecology and field sampling techniques to measure parameters that influence the distribution of organisms in various ecosystems. Field trips required. Not applicable in major or minor sequences. Not open to students who have previously taken BIO 3370. Credit: 3 semester hours.

1859 Tropical Ecology and Evolution
Study Abroad Winter Intersession field course to the Ecuadorian Highlands and Galapagos Islands. Not open to BIO majors. Credit: 3 semester hours.

2000 Fundamentals of Biology, II: Introduction to Cell and Molecular Biology
Prerequisite: CHEM 1210; Corequisite: BIO 2001L, Laboratory. Basic principles governing the activities of living organisms at the molecular and cellular levels. Lecture, 3 hours. Credit: 3 semester hours.

2001L Fundamentals of Biology II: Laboratory
Corequisite: BIO 2000. The principles and concepts of molecular and cell biology from a laboratory perspective. Laboratory, 3 hours. Credit: 1 semester hour. Laboratory fee, $100.

2250 Introduction to Neurobiology
Prerequisite: BIO 3000 and 2000. The nervous systems from invertebrate to mammals focusing primarily on the mechanisms by which the brain functions. Credit: 3 semester hours.

2260 Cellular Biology of Human Tissues
Prerequisite: BIO 3000; 3001L. Corequisite: BIO 2261 Laboratory. Human tissues, with emphasis on the cellular and molecular bases of their organization and function. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

2270 Introduction to Virology
Prerequisite: BIO 2280. Introduction to the biology of viruses including structure, replication, disease causation, and host response to infection. Lecture, 3 hours. Credit: 3 semester hours.

2280 General Microbiology
Prerequisite: BIO 3000; 3001L. Corequisite: BIO 2281 Laboratory. Form and function in prokaryotic and eukaryotic microorganisms; microbial growth, metabolism, genetics, biochemistry and host defenses against microbial infection. Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, $100.

2290 Immune System in Human Disease
Prerequisite: BIO 2000, or consent of instructor. Introduction into the role of immune system in human diseases. Lecture, 3 hours. Credit: 3 semester hours.

2300 Biochemistry of Beermaking and Winemaking
Prerequisite: Bio 2000, or consent of instructor. An introduction into basic biochemical concepts of beer making, winemaking, and industrial ethanol production. Lecture, 3 hours. Credit: 3 semester hours.

2310 Botany
Prerequisite: BIO 1000; 1001L. Corequisite: BIO 2311 Laboratory. The biology of plants: their morphology, evolution and classification. Field trips. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100

2510 Aquatic Ecology
Prerequisite: BIO 1000; or consent of instructor. Corequisite: BIO 2511 Laboratory. Introduction to major ecological principles of freshwater and marine habitats. Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

2859 Island Biogeography
Prerequisite: Bio 1000 and 2000. Principles of biogeography illustrated and explored during a winter intersession trip to Ecuador, including the Galapagos. Credit: 3 semester hours.

3000 Fundamentals of Biology, III: Introduction to Organismic Biology
Prerequisite: BIO 2000. Corequisite: BIO 3001L Laboratory. Basic principles of physiological function and developmental processes. Lecture, 3 hours. Credit: 3 semester hours.

3001L Fundamentals of Biology III: Laboratory
Prerequisite: BIO 2001L Laboratory. Corequisite: BIO 3000. The principles of physiology and development from a laboratory perspective. Laboratory, 3 hours. Credit: 1 semester hour. Laboratory fee, $100.

3260 Foundations of Physical Chemistry for Life Sciences
Prerequisite: MTH 1220 or MTH 1740 and PHY 1620 or PHY 1940. Review of thermodynamics, kinetics, quantum mechanics and spectroscopy with a focus on applications from the life sciences. Lecture, 3 hours. Credit: 3 semester hours.

3270 Developmental Biology
Prerequisite: BIO 3000; 3001L. Corequisite: BIO 3271 Laboratory. How the fertilized egg develops into a complex organism. Both descriptive embryology and experimental analysis of development are studied. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3300 General Physiology
Prerequisites: BIO 3000; 3001L, CHE 2230, Corequisite: BIO 3301 Laboratory, and PHY 1620 or 1940. Cell functions and intercellular relationships necessary for an understanding of the whole (multicellular) organism. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3320 Genetics
Prerequisite: BIO 3000; 3001L. Corequisite: BIO 3321 Laboratory and CHE 2240. The principles of genetics including the consideration of the nature of genetic material, its mode of transmission, modes of expression and mechanisms of gene action. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3370 Ecology
Prerequisite: BIO 1000 or consent of instructor. Corequisite: BIO 3371 Ecol. Biological principles concerning animals and plants, with emphasis on group phenomena, especially the dynamics
and evolution of ecosystems, communities and populations. Field trips. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3390 Biochemistry
Prerequisite: BIO 3000; 3001L and CHE 2240, or consent of the instructor. Corequisite: BIO 3391 Laboratory. An introduction to the chemistry of biological compounds; the principles of enzymology; the metabolism of carbohydrates, lipids, proteins and nucleic acids and the control of metabolism. Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, $100.

3460 Concepts of Immunology
Prerequisite: BIO 3000; 3001L. Corequisite: BIO 3461 Laboratory. Useful background: inorganic and organic chemistry, microbiology. An introduction to the organization and functions of the immune system along with basic experimental methodologies. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3470 Molecular and Cell Biology
Prerequisite: BIO 3000; 3001L and 3390. Corequisite: BIO 3471 Laboratory. Molecular basis of gene expression in prokaryotic and eukaryotic cells, molecular principles of cell architecture and the cell cycle. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3480 Scientific Literacy/Integrity
Prerequisite: BIO 1000, BIO 3000, and one BIO elective course. Critical evaluation of diverse forms of biology-related literature and interpretation of biological literature relevant to specific research questions. Lecture, 3 hours. Credit: 3 semester hours.

3490 Dental Preceptorship
Prerequisite: BIO 3000. Clinical observation in general dental practice and selected dental specialties. Credit: 1 semester hour.

3830 Bioinformatics
Prerequisite: BIO 2000 and Biology 3320 or Biology 3470, or consent of instructor. Corequisite: Bio3831 Laboratory. Integration of genetics, molecular biology and computational biology into the modern informational perspective of biology. Lecture, 3 hours. Laboratory, 3 hours. Credit: 3 semester hours. Laboratory fee, $100.

4240 Inquiry-based Genetics
Prerequisite: BIO 2000, BIO 2001L and consent of instructor. Corequisite: BIO 4421 Laboratory. Genetics with Project Lab in Development, emphasizing team-based participation in a developmental genetics research project. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

4951; 4952 Field Research in Biology
Prerequisite: 3.0 GPA, approval of the Undergraduate Educational Policy Committee and acceptance from a member of the department faculty for a field research project. Registration in both 4951 and 4952 simultaneously requires explicit approval of the UEPC. Qualified juniors and seniors majoring in biology may undertake directed field research. Field research work, 4 hours. Credit: 2 semester hours.

4953; 4954 Research in Biology
Prerequisite: 3.0 GPA, approval of the Undergraduate Educational Policy Committee and acceptance from a member of the department faculty for a research project. Registration in both 4953 and 4954 simultaneously requires explicit approval of the UEPC. Qualified juniors and seniors majoring in biology may undertake directed research in a chosen field of biology. Laboratory and Seminars, 4 hours. Credit: 2 semester hours per semester. Laboratory fee, $100.

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

Business (BUS)

Minor Sequence
27 semester hours including: ACC 2338 and 2339 or 2340; ECO 1301, 1302; MGT 2301; and MKT 3301. The business minor sequence requires MTH 1310, 1320, and CIS 1332 or DS 2333. No student is permitted to enroll in any junior or senior level business course (courses numbered 3000 or above) without completing the designated prerequisite(s): MTH 1310 and 1320 and [CIS 1332 or DS2333]. Note: BUS courses are taught by The Peter J. Tobin College of Business faculty. Students interested in pursuing the Business minor should consult The Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

Chemistry (CHE)

Major Sequences
46 to 51 semester hours including: CHE 1310, 1313; 1320, 1323; 2630, 2633, (or 2230); 2640, 2643, (or 2240); 3000, [3210 or 3280], [3220 or 3270], 3250, [3300 or 101], 3320, [3340 or 111], 3440. Students must consult with the department for the scheduling of courses. In addition, students in the B.S./M.S. Program in chemistry must elect the thesis option for the M.S. degree and complete CHE 4351 and one additional graduate course (either CHE 121 or 141) during their senior year. Students completing the baccalaureate will receive ACS Certification of their degree. Eligibility requires a 3.0 overall index with a 3.5 index in the major. For additional requirements for the master’s degree, students should consult the St. John’s University Graduate Bulletin.

Business (BUS)

Minor Sequence
27 semester hours including: ACC 2338 and 2339 or 2340; ECO 1301, 1302; MGT 2301; and MKT 3301. The business minor sequence requires MTH 1310, 1320, and CIS 1332 or DS 2333. No student is permitted to enroll in any junior or senior level business course (courses numbered 3000 or above) without completing the designated prerequisite(s): MTH 1310 and 1320 and [CIS 1332 or DS2333]. Note: BUS courses are taught by The Peter J. Tobin College of Business faculty. Students interested in pursuing the Business minor should consult The Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

Chemistry (CHE)

Major Sequences
46 to 51 semester hours including: CHE 1310, 1313; 1320, 1323; 2630, 2633, (or 2230); 2640, 2643, (or 2240); 3000, [3210 or 3280], [3220 or 3270], 3250, [3300 or 101], 3320, [3340 or 111], 3440. All CHE majors must also include one option. Option I or II or III (see below). In addition, all chemistry majors must take MTH 1730, 1740 and PHY 1930, 1940.

Option I: B.S. in Chemistry with American Chemical Society Certification (50-51 credits)
CHE 3390 and one of the following: CHE 3260, 3330, 3360, 4351, 4361, 4903, 3420, 3431, or a 100-level graduate CHE course.

Option II: B.S. in Chemistry with a Concentration in Biochemistry (51 credits)
CHE 3390 and BIO 3470. CHE 3330 and BIO 3320 are also highly recommended electives.

B.S./M.S.

Students admitted to the accelerated B.S./M.S. Program in chemistry take as their major sequence in chemistry for their baccalaureates these 41/42 semester hours: CHE 1310, 1313; 1320, 1323; 2630, 2633, (or 2230); 2640, 2643, (or 2240); 3000, [3210 or 3280], [3220 or 3270], 3250, [3300 or 101], 3320, [3340 or 111], 3440. Students must consult with the department for the scheduling of courses. In addition, students in the B.S./M.S. Program in chemistry must elect the thesis option for the M.S. degree and complete CHE 4351 and one additional graduate course (either CHE 121 or 141) during their senior year. Students completing the baccalaureate will receive ACS Certification of their degree. Eligibility requires a 3.0 overall index with a 3.5 index in the major. For additional requirements for the master’s degree, students should consult the St. John’s University Graduate Bulletin.

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

Chemistry Course Offerings (CHE)

1100 College Chemistry
A study of some of the basic concepts of chemistry, with an emphasis on chemical stoichiometry and the relationship between the periodic table and the chemical and physical properties of elements and their compounds. A preparatory course for General Chemistry (CHE 1210) for students whose background in science is weak and for those who have had no prior CHE course. Lecture, 2 hours. Recitation, 1 hour. Credit: 3 semester hours.

1110; 1120; 1130 Introduction to General and Organic Chemistry
Prerequisite: CHE 1100 (or another prior CHE course) is a Prerequisite for CHE 1110. CHE 1110 is a Prerequisite for CHE 1120. CHE 1120 is a Prerequisite for CHE 1130. Corequisite: CHE 1111 Laboratory and CHE 1112 Recitation are Corequisites for CHE 1110. CHE 1121 Laboratory and CHE 1122 Recitation are Corequisites for CHE 1120. CHE 1131 Laboratory and CHE 1132 Recitation are Corequisites for CHE 1130. An introduction to the principles and concepts of general chemistry.
and organic chemistry for students planning to pursue the Pharm.D. or P.A. degree in Pharmacy. Course sequence does not satisfy the CHE requirements for BIO or CHE majors or Pre-Med students. Not applicable to the CHE minor sequence. Lecture, 3 hours. Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit: 4 semester hours per semester. Laboratory fee: $100 per semester.

1140 Introduction to General and Organic Chemistry
Prerequisite: CHE 1130. Corequisite: CHE 1141 Laboratory and CHE 1142 Recitation. A continuation of CHE 1110, 1120 and 1130 to complete a sequence equivalent to CHE 1210, 1220, 2230 and 2240. This course provides more advanced topics in chemical structure, thermodynamics, kinetics and organic chemistry required of students interested in the sciences or pre-medical professional fields. Note: Course along with 1110, 1120 and 1130 satisfies CHE requirements for BIO/ CHE majors and PRE-MED students. Lecture, 3 hours. Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit: 4 semester hours per semester. Laboratory fee, $100 per semester.

1210 General Chemistry I
Prerequisite: CHE 1100 (or another prior CHE course) is a Prerequisite for CHE 1210. Corequisite: CHE 1211 Laboratory and CHE 1212 Recitation are corequisites for CHE 1210. Principles and concepts of chemistry with emphasis placed on stoichiometry, atomic and molecular structure and inorganic chemical reactions. In the laboratory, emphasis is placed on quantitative measurements. Lecture, 3 hours. Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit: 5 semester hours. Laboratory fee, $100 per semester.

1220 General Chemistry II
Prerequisite: CHE 1210 is a Prerequisite for CHE 1220. Corequisite: CHE 1221 Laboratory and CHE 1222 Recitation are corequisites for CHE 1220. Introductory physical chemistry focusing on equilibrium, kinetics, electrochemistry and properties of matter, including acids and bases. Lecture, 3 hours. Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit: 5 semester hours. Laboratory fee, $100 per semester.

1310 Advanced General Chemistry I
Prerequisites: It is expected that students will have had at least one year of chemistry in high school and one year of pre-calculus. Corequisites: MTH 1730 and CHE 1313LR. Principles and concepts of chemistry emphasizing quantum mechanics, thermodynamics, physical properties of solids, liquids and gases, equilibria, acids and bases. Credit: 3 semester hours.

1313LR Advanced General Chemistry I: Laboratory and Recitation
Prerequisite: Students are expected to have had at least one year of chemistry in high school. Corequisites: MTH 1730 and CHE 1310. A course whose primary focus is on the procedures and techniques used in the modern chemical laboratory and recitation for the lecture CHE 1310. Recitation, 1.5 hours. Laboratory, 3.3 hours. Laboratory fee, $100 per semester. Credit: 2 semester hours.

1320 Advanced General Chemistry II
Prerequisite: CHE 1310, CHE 1210 with permission of instructor. Corequisite: CHE 1321L Laboratory is a corequisite for CHE 1320. Principles and concepts of chemistry with a study of the elements and their compounds, including acid base chemistry, electrochemistry, transition metals, main group elements and nuclear chemistry. Lecture, 3 hours. Recitation, 1.5 hours. Credit: 3 semester hours.

1321LR Advanced General Chemistry II
Corequisite: CHE 1320. A continuation of 1313LR in which the primary focus is on the procedures and techniques used in the modern chemical laboratory and recitation for the lecture CHE 1320. Recitation, 1.5 hours. Laboratory, 3.3 hours. Credit: 2 semester hour. Laboratory fee $100 per semester.

2230; 2240 Organic Chemistry: Laboratory and Recitation
Prerequisite: CHE 1220. CHE 2230 is a prerequisite for CHE 2240. Corequisite: CHE 2231 Laboratory is a corequisite for CHE 2230. CHE 2240 Laboratory is a corequisite for CHE 2241. An introduction to the fundamental principles of organic chemistry in which the synthesis, structure and mechanisms of reactions of organic compounds are emphasized. Lecture, 3 hours. Laboratory, 4 hours per week. Credit: 5 semester hours. Laboratory fee, $100 per semester.

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

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

3000 Chemistry Seminar
Prerequisites: CHE 2240 or CHE 2640. Examination of ethical reasoning, responsible conduct in research, safety in the chemical laboratory, and the dissemination of scientific results. Credit: 1 semester hour.

3210 Microscopic Physical Chemistry
Prerequisites: CHE 2240 or 2640, MTH 1740, and PHY 1620 or 1940. Introduction to quantum mechanics: application to atomic structure, theories of chemical bonding, atomic and molecular spectroscopy, and computational quantum chemistry. Introduction to statistical thermodynamics. Credit: 3 semester hours.

3220 Macroscopic Physical Chemistry
Prerequisites: CHE 2240 or 2640, CHE 3210 or permission of instructor, MTH 1740, and PHY 1620 or 1940. Corequisites: CHE 3320. Thermodynamics of pure substances, mixtures and chemical reactions, with emphasis on processes under non-standard state conditions; chemical kinetics; connecting micro- and macroscopic perspectives via statistical mechanics. Credit: 3 semester hours.

3250 Quantitative Analysis
Prerequisite: CHE 1220. Corequisite: CHE 3251 Laboratory. Quantitative analytical methods in chemistry. Buffer systems; important polybasic acids; an introduction to spectrophotometric and electrochemical methods. Lecture, 2 hours. Laboratory, 6 hours. Credit: 4 semester hours. Laboratory fee, $100.

3260 Advanced Organic Chemistry III
Prerequisites: CHE 2240 or 2640. Advanced topics in organic chemistry covering various aspects of structure and bonding theory, synthesis, mechanisms, and spectroscopy. Credit: 3 hours.

3270 Physical Chemistry I
Prerequisite: CHE 2240, MTH 1220 or 1740. Corequisite: PHY 1940. Kinetic theory of gases, thermodynamics of pure substances, mixtures and chemical reactions, chemical kinetics. Particular emphasis will be placed on processes under non-standard state conditions. Credit: 3 semester hours.

3280 Physical Chemistry II
Prerequisite: CHE 3270, MTH 1740. Corequisite: CHE 3321. Introduction to quantum mechanics and approximate methods, introduction to atomic and molecular spectroscopy and introduction to statistical thermodynamics. Credit: 3 semester hours.

3300 Instrumental Methods of Chemical Analysis
Prerequisite: CHE 3250, 3220 or 3280. Corequisite: CHE 3301 Laboratory. Basic electronics, principles of instrumentation, transducers for chemical systems, applications of instrumental measurements and techniques, including infrared, fluorescence, ultraviolet and nuclear magnetic resonance spectroscopy, gas chromatography, liquid chromatography, differential scanning calorimetry, electrochemical methods. Lecture, 2 hours. Laboratory, 6 hours. Credit: 4 semester hours. Laboratory fee, $100.

3320 Experimental Physical Chemistry
Corequisite: CHE 3321, and 3220 or 3280. A laboratory course designed to correlate the
abstract principles and equations of physical chemistry with the experimental observations upon which they are based. Lecture, 1 hour. Laboratory, 6 hours. Credit: 3 semester hours. Laboratory fee, $100.

3330 Bioorganic Chemistry
Prerequisite: CHE 2230 and 2240. The application of the principles and tools of organic chemistry to the understanding of biological processes involving proteins, nucleic acids and carbohydrates. Lecture, 3 hours. Credit: 3 semester hours.

3340 Advanced or 3220 Inorganic Chemistry
Prerequisite: CHE 3280 and MTH 1740. Nuclear chemistry, atomic theory and periodic properties; covalent, ionic and metallic bonding; introduction to molecular symmetry and point groups; acid-base theories and transition metal chemistry. Lecture, 3 hours. Credit: 3 semester hours.

3390 Biochemistry
Prerequisite: BIO 1220, 1221 and CHE 2240 or permission of the instructor. An introduction to the chemistry of biological compounds; the principles of enzymology; the metabolism of carbohydrates, lipids, proteins and nucleic acids and the control of metabolism. Lecture, 3 hours. Laboratory, 3 hours. Credit: 4 semester hours. Laboratory fee, $100.

3420 Environmental Chemistry
Prerequisite: CHE 1220. The chemical principles which govern environmental quality and environmental regulations are developed using specific examples such as global warming, ozone depletion, water quality and air pollution. Credit: 3 semester hours.

3431 Methods in Environmental Chemistry
Prerequisite: CHE 3420. Laboratory work providing hands-on experience with the techniques and instruments used in modern environmental investigations. Credit: 3 semester hours.

4351; 4361 Research Participation I; II
Prerequisite: CHE 2240 or 2640 and permission of the professor. Active participation in an ongoing research project of one of the faculty members. Affords first-hand experience in the scientific process of discovering and correlating new knowledge. Students taking these courses for either a major or a minor in chemistry must submit a written research report at the end. Research experience is highly recommended by the American Chemical Society. Laboratory hours arranged. Credit: 3 semester hours. Laboratory fee, $100 per semester.

4903 Chemistry Internship
Prerequisite: CHE 2240 or 2640 and permission of the professor. This course provides credit for a well-designed program of summer research or industrial participation in the chemical sciences. Students enrolled must spend at least 300 hours in academic research or in another activity associated directly with the chemical industry. Students are required to write a comprehensive, scholarly report covering all aspects of their work. Credit: 3 semester hours.

Communication Sciences and Disorders (CSD)

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

Minor Sequence
Speech-Language Pathology and Audiology
21 semester hours including CSD 1710, 1720, 1730, 1740, 2750, 2760 and 2770

Speech-Language Pathology and Audiology Course Offerings (CSD)

1710 Phonetics
A study of articulatory phonetics, broad and narrow transcription of American English (using the International Phonetic Alphabet); elements of dialects and accents. Credit: 3 semester hours.

1720 Anatomy and Physiology of the Speech System
Prerequisite: CSD 1710 or permission of the department. The anatomy and physiology of breathing, phonatory, and articulatory systems as they are used in speech. Introduction to the nervous system, particularly as the controller of the speech mechanism. Credit: 3 semester hours.

1730 Language Acquisition
Prerequisite: CSD 1710 or permission of the department. Phonological, morphological, syntactic, semantic, pragmatic and cognitive aspects of language acquisition in the normal child are analyzed. Credit: 3 semester hours.

1740 Introduction to Hearing Science
Anatomy, physiology and neurophysiology of the hearing mechanisms; theories of hearing, acoustical characteristics to sound and their measurement. Credit: 3 semester hours.

1750 Speech Science
Prerequisite: CSD 1710, 1720 or permission of the department. The acoustic characteristics of speech and their relation to articulatory and perceptual events; introduction to speech perception. Credit: 3 semester hours.

1760 Introduction to Sign Language I
Introduction to the basic manual communication skills of the deaf, development of receptive and expressive skill necessary for proficiency in American Sign Language. Not applicable to the speech pathology audiology major. Credit: 3 semester hours.

1810 Introduction to Phonology
An introduction to the study of sound systems found in language and its application to areas such as language acquisition, speech pathology, dialectal variation and historical change. Credit: 3 semester hours.

1820 Neurological Bases of Normal Human Communication and Balance
Prerequisite: CSD 1710, 1720 or permission of the Department. Basic anatomy and physiology of the human neurological system as it pertains to normal communication processes and balance. Credit: 3 semester hours.

2750 Introduction to Audiology
Prerequisite: CSD 1740 or permission of the department. Measurement of hearing, including pure tone and speech audiometry, immittance testing, and special tests. Interpretation of audiograms and screening procedures and pathologies of the auditory system. Credit: 3 semester hours.

2760 Speech-Language Pathology I: Language Disorders
Prerequisite: CSD 1710, 1720, 1730 or permission of the department. Disorders of language based on organic causation including delayed and disordered language, aphasia. Credit: 3 semester hours.

2770 Speech-Language Pathology II: Speech Disorders.
Prerequisite: CSD 1710, 1720, 1730 or permission of the department. Disorders of speech based on organic causation including cleft palate, cerebral palsy, dysarthria, articulation defects, dysfluency, and voice disorders. Credit: 3 semester hours.

2775 Language-Based Learning Disabilities
Prerequisite: CSD 1730. Language development and disorders, their relation to learning and reading disabilities. Assessment and intervention strategies for young and older children, and for adolescents with language-based learning disabilities. Credit: 3 semester hours. (Staten Island)
2780 Aural Rehabilitation for the Hearing Impaired Child
Prerequisite: CSD 2750 or CSD 1740 (recommended) or permission of the department. The effect of hearing loss on the communication skills of hearing impaired children. Theoretical considerations in education, rehabilitation, speech reading, language therapy, auditory training, and amplification systems. Credit: 3 semester hours.

2790 Introduction to Sign Language II
Prerequisite: CSD 1760 or permission of the department. The second level of American Sign Language (ASL II), providing increased knowledge of the gestural language used by deaf persons in the U.S. and Canada except in Province of Quebec. Credit: 3 semester hours.

2810 Observation Skills in Speech-Language Pathology and Audiology
Prerequisites CSD 1710, 1720, 1730, 1740 Corequisites: CSD 1750 and at least CSD 2760 or 2770. Objective identification and written evaluation of assessment and treatment processes in speech-language pathology and audiology; factors affecting service delivery; social implications of the therapeutic process. Credit: 3 semester hours.

3840 Diagnostic Methods in Speech-Language Pathology
Prerequisite: CSD 2760 or 2770 or permission of the department. Procedures for studying, evaluating and assessing various pathologies of speech, language and communication by lecture and observation. Credit: 3 semester hours.

4803 Internship in Speech-Language Pathology and Audiology
Restricted registration. Permission of the department required. Supervised clinical practice in management and intervention strategies for the communicatively impaired of varied nature and severity; preparation of clinic records and reports. Credit: CSD 4803 and CSD 4813 require 8 hours weekly for 3 credits.

4810 Clinical Practicum in Audiology
Prerequisite: CSD 2750 and 1740 or permission of the department. Measurement of pure tone and speech thresholds, screening procedures, interpretation of audiograms, and special tests for audiological assessment of hearing loss. Credit: 3 semester hours.

4840 Clinical Practice in Speech-Language Pathology – Queens campus.
Prerequisites: CSD 2760 and CSD 2770. This course focuses on supervised clinical practice in management and intervention strategies in the communicatively impaired, and preparation of clinic records and reports at the University’s Speech and Hearing Center, Queens campus. Open to students with a GPA of 3.5 in the major and an overall GPA of 3.3. Credits: 3 semester hours.

4843 Clinical Practice in Speech-Language Pathology – Staten Island campus.
Prerequisites CSD 2760 and CSD 2770. This course focuses on supervised clinical practice in management and intervention strategies in the communicatively impaired, and preparation of clinic records and reports at off-campus clinical sites. Open to students with a GPA of 3.5 in the major and an overall GPA of 3.3. Credits: 3 semester hours.

4953 Independent Study
Study of specific topics in communication sciences and disorders under the guidance of a faculty member. Students must select a mentor for this study. Credit: 3 semester hours.

4990 Seminar
Contemporary issues in communication arts and sciences. Research tools for advanced study and professional growth; research design, tests and measurements, statistical analysis and computer applications. Credit: 3 semester hours.

Economics (ECO)
Students interested in pursuing the ECO major/minor should consult The Peter J. Tobin College of Business section of this bulletin for a list of course offerings.

Major Sequence
36 semester hours including: ECO 1301, 1302, 3303, 3341, 3343; DS 2333, 2334; and five elective courses in the major, selected in consultation with a departmental advisor, from ECO 2309, 3306, 3307, 3313, 3323, 3335, 3344, 3346, 3347, 3348, 4340, 4345, 4350, 4399, 4400; FIN 3310, 3312, 3316, 3318. ECO 1326 and ECO 2327 are not applicable to the major sequence. No more than two of the above FIN courses may apply to the major. Additional FIN courses may be taken as general electives.

All ECO majors are required to take MTH 1310 and 1320. MTH 1320 is one of the Prerequisites for DS 2333. ECO majors are also encouraged to take a computer science course, e.g., CSC 1390 or CIS 1332.

Minor Sequence
18 semester hours including: ECO 1301, 1302, 2309, and nine semester hours in ECO selected in consultation with a departmental advisor. ECO 1326 and ECO 2327 are not applicable to the minor sequence. Note: ECO courses are taught by The Peter J. Tobin College of Business faculty.

English (ENG)

Major Sequence
36 semester hours, including nine credits in ENG 1100C, 2200 and 2300. In addition, each student must take one course in each of the four divisions (I–IV) of literary studies (12 credits), a seminar (3 credits) and 12 credits in electives.

B.A./M.A.
The students accepted in the five-year B.A./M.A. program matriculate for 24 undergraduate credits, including the three required English courses (ENG 1100C, 2200 and 2300), and a seminar. They matriculate for a total of twelve graduate credits while still underclassmen, counting these credits toward their undergraduate major either as divisional requirements or electives.

They matriculate in two graduate courses in the junior year and two graduate courses in their senior year and continue with upper level courses in the fifth year of study. Eligibility for this program requires a 3.0 overall index with a 3.5 index in English. For additional requirements for the master’s degree, consult the St. John’s University Graduate Bulletin.

Minor Sequences

English
21 semester hours, including nine credits in ENG 1100C, 2200 and 2300, a seminar, and nine credits in electives.

Creative Writing Minor
21 semester hours, including six credits in ENG 1100C and 3720 (Introduction to Creative Writing); nine credits of electives in additional creative writing courses; and two literature electives from the 3000 level.

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

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

English Course Offerings

(ENG)

1000C English Composition
An intensive writing course emphasizing critical thinking, reading, and writing practices. A focus on writing as a mode of communication and a social activity, as well as a matter of negotiating the expectations of different audiences and rhetorical conventions of multiple genres. Credit: 3 semester hours.
1040 Writing for Business
An exploration of common business-related writing problems, as well as critical responses to business-oriented readings. Credit: 3 semester hours.

2060 Introduction to American Literature
An intensive study of a limited number of texts drawn from the various periods of American literature. Credit: 3 semester hours.

2100 Introduction to Literature and Culture
This course is devoted to the study of the relationship between literature and culture focusing on literary texts connected by common aesthetic, generic, or historical themes. Credit: 3 semester hours.

2210 Introduction to British Literature
An intensive study of a limited number of texts drawn from the various periods of British literature. Credit: 3 semester hours.

Required Courses for the English Major

1100C Literature in a Global Context
This writing-intensive course examines literature from a global perspective. While familiarizing students with literary genres and texts, the course introduces students to writing and critical thinking about culture, cultural differences, and social values. Credit: 3 semester hours.

2200 Introduction to the English Major
A foundation course introducing English majors and minors to the disciplinary practices of the English major. Restricted to English majors and minors. Strongly suggested as first course in major or minor. Credit: 3 semester hours.

2300 Introduction to Literary Criticism and Theory
An introduction to the history of critical theory, with emphasis on contemporary literary theory, and its practical application. Credit: 3 semester hours.

Major Divisions of Literary Studies
Students are required to take at least one course from each of the following four major divisions of literary studies.

Division I: Medieval and Renaissance English Literature

3000 Medieval Romance
An introduction to the genre of medieval romance, one of the most important narrative forms in later medieval literature. Credit: 3 semester hours.

3100 Medieval English Literature
Major literary works from Beowulf to the mid-15th century. Credit: 3 semester hours.

3110 Chaucer
A study of the poetry of Chaucer, with an emphasis on The Canterbury Tales. Credit: 3 semester hours.

3120 Renaissance Literature
Major non-dramatic writers of the late 15th and 16th centuries. Credit: 3 semester hours.

3130 Shakespeare: The Elizabethan Plays
A close study of approximately seven plays representative of the genres of history, comedy and tragedy and expressive of Shakespeare's early idealism. Credit: 3 semester hours.

3140 Shakespeare: The Jacobean Plays
A close study of approximately seven plays representative of the genres of tragedy, problem comedy and romance, and expressive of Shakespeare's mature vision. Credit: 3 semester hours.

3150 Elizabethan and Jacobean Plays
A study of representative playwrights other than Shakespeare. Credit: 3 semester hours.

3160 Seventeenth Century English Literature
A study of the schools of Jonson and Donne, and other important poetry of the 17th century. Credit: 3 semester hours.

3170 Milton
A study of Milton's complete poetry and selected prose. Credit: 3 semester hours.

3180 Medieval Epics and Sagas
An introduction to medieval epics and sagas—narratives about the historical past in either verse or prose that celebrate heroes and the grandeur of their deeds. Credit: 3 semester hours.

3190 Special Topics in Medieval and Renaissance English Literature
A study in special themes and topics in literature and cultural studies, from the beginning of the Middle Ages through Milton and the Puritan revolution. The course material is intended to supplement the regular course offerings in Division I. Credit: 3 semester hours.

Division II: Eighteenth- and Nineteenth-Century English Literature

3200 Eighteenth-Century English Literature
A study of major 18th-century writers, including Dryden, Pope, Swift and Johnson. Credit: 3 semester hours.

3210 The Drama: 1660–1870
English drama from the Restoration to the beginning of the modern period. Credit: 3 semester hours.

3220 Eighteenth-Century Novel
A study of the beginnings of the English novel through to the works of Jane Austen. Credit: 3 semester hours.

3230 Nineteenth-Century Novel
A study of the distinctive genres of Romantic and Victorian prose fiction, including the Gothic, detective fiction, stories of adventure and exploration, and the realistic novel. Credit: 3 semester hours.

3240 Romantic Literature
A study of the major figures of the first and second Romantic generations—Blake, Godwin, Wollstonecraft, Wordsworth, Coleridge, Austen, Byron, the Shelleys, Keats—with readings in poetry, prose fiction, journalism, correspondence and literary criticism. Credit: 3 semester hours.

3250 Victorian Literature
A study of the genres and functions of literature of Victorian Britain, with emphasis on the emergence of the professional writer as revolutionary, sage and social critic. Credit: 3 semester hours.

3260 Women Writers of the Nineteenth Century
A study of the political and cultural contexts of writing by women in the 19th century, including prose fiction and social criticism by figures such as Jane Austen, Mary Shelley, Margaret Fuller, the Brontes and George Eliot. Credit: 3 semester hours.

3270 Eighteenth-Century British Poetry
Study of the diverse poetic traditions and literary cultures of Britain in the long eighteenth century. Credit: 3 semester hours.

3290 Special Topics in 18th- and 19th-Century English Literature
A study of special themes and topics in literature and cultural studies, from the early modern period to the threshold of the 20th century (1660–1900). The course material is intended to supplement the regular course offerings in Division II. Credit: 3 semester hours.

Division III: American Literature Until 1900

3300 Colonial American Literature
A study of the literary movements of the colonial period in America from the Puritans through the Federalist writers, including the oral traditions of Native Americans. Credit: 3 semester hours.

3310 Antebellum American Literature
A study of 19th-century literature, with an emphasis on the writers of the American Romantic tradition. Credit: 3 semester hours.

3320 Nineteenth-Century American Fiction
A study of the novelists and fiction writers of the 19th century in America, including Hawthorne, Melville, Poe and Stowe. Credit: 3 semester hours.
3330 African-American Literature to 1900
A study of African-American literature to 1900, using texts such as slave and travel narratives, fiction, drama and poetry, as well as texts drawn from other disciplines.
Credit: 3 semester hours.

3340 American Realism and Naturalism
A study of the realist and naturalist traditions of American prose, including Howells, James, Crane, Twain, Dreiser and other writers of the late 19th and early 20th centuries.
Credit: 3 semester hours.

3350 American Women Writers to 1900
A study of the writing by women in colonial and 19th-century America.
Credit: 3 semester hours.

3360 Early National American Literature
A study of U.S. literature between the Revolution and the presidency of Andrew Jackson. Authors may include Susannah Rowson, Royall Tyler, Washington Irving, Catherine Sedgwick, James Fenimore Cooper and Lydia Maria Child.
Credit: 3 semester hours.

3370 International Context for Early American Literature
Early American literature in context with other literatures from around the globe.
Credit: 3 semester hours.

3375 Environmental Literature
Examines early American writing about nature and the environment.
Credit: 3 semester hours.

3380 Selected Themes and Authors in Early American Literature
A close study of selected themes and authors.
Credit: 3 semester hours.

3390 Special Topics in American Literature to 1900
A study of special themes and topics in literature and cultural studies, from the colonial period of American literature up to 1900. The course is intended to supplement the regular course offerings in Division III.
Credit: 3 semester hours.

Division IV: 20th-Century American and British Literature

3400 Modernist Literature
A study of the emergence of modernism in the literature and culture of the early 20th century, with an emphasis on the conception of the “modern” as new and distinct from the past and its insistence on experimentation.
Credit: 3 semester hours.

3410 Modern Fiction
A study of the development of the novel and prose fiction in early 20th-century British and American literature, including such figures as Conrad, Joyce, Woolf, Hemingway, Fitzgerald and Faulkner.
Credit: 3 semester hours.

3420 Contemporary Fiction
A study of the development of the novel and prose fiction since World War II in America and Great Britain, with an emphasis on the emergence of postmodernism in fiction.
Credit: 3 semester hours.

3430 Modern Poetry
A study of the great modernist poets of the early 20th century in America and Great Britain, including the works of Yeats, Eliot, Pound, Stevens, Williams and Auden.
Credit: 3 semester hours.

3440 Contemporary Poetry
A study of the poetry of important British and American poets since World War II, with an emphasis on the emergence of postmodernism in poetry.
Credit: 3 semester hours.

3450 Modern Drama
Readings and criticism of several important playwrights (Ibsen, Chekhov, Strindberg, Shaw, O’Neill and others).
Credit: 3 semester hours.

3460 Contemporary Drama
Readings of important post-war playwrights like Albee, Ionesco, Beckett and Pinter.
Credit: 3 semester hours.

3470 20-Century African-American Literature
Writers, movements and issues of 20th-century African-American literature, with an emphasis on the relation of literary to oral traditions.
Credit: 3 semester hours.

3475 African American Women’s Rhetorics
This course examines multiple persuasive discourses—written, oral, and visual—of black women in the United States.
Credit: 3 semester hours.

3480 The Harlem Renaissance
A study of the literature of the Harlem Renaissance, the African American cultural movement that followed World War I and lasted in The 1930s.
Credit: 3 semester hours.

3490 Special Topics in 20th-Century British and American Literature
A study of special themes and topics in literature and cultural studies, from the turn of the century to the present in both America and Great Britain. The course is intended to supplement the regular course offerings in Division IV.
Credit: 3 semester hours.

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

3500 Classical Literature
A study of Western writers from Homer and the Greek tragedians through the Roman period, ending with St. Augustine.
Credit: 3 semester hours.

3510 Medieval and Renaissance European Literature
A study of Western writers from Dante and the High Middle Ages through the Renaissance.
Credit: 3 semester hours.

3520 Modern World Literature
A study of some major texts of European literature from the 17th century to the present.
Credit: 3 semester hours.

3530 The Gothic
An introduction to the history and cultural significance of Gothic genres, forms, styles, and recurrent horrors from the Romantic origins of the Gothic through its modernist and postmodernist representations.
Credit: 3 semester hours.

3540 Irish Literature
A study of Irish literature as a distinct and important body of work including a study of Irish folklore, important Anglo-Irish writers of the 18th and 19th centuries, the Irish Renaissance of the early 20th century, and the development of Irish literature after independence.
Credit: 3 semester hours.

3550 Short Fiction
A study of the major developments of this genre through an analysis of representative texts of Chekhov, Joyce, Lawrence, Kafka, Borges and others.
Credit: 3 semester hours.

3560 American Ethnic Literatures
A study of works by culturally diverse American writers like Toni Morrison, Maxine Hong Kingston, James Baldwin, Jamaica Kincaid, Derek Walcott, Sandra Cisneros, Louise Erdrich, Leslie Marmon Silko, Bharati Mukherjee and August Wilson.
Credit: 3 semester hours.

3570 Women and Literature
This course explores writing by women. Texts may represent different historical periods, or ethnic allegiances, including poetry, fiction, drama and autobiography.
Credit: 3 semester hours.

3580 Postcolonial Literature *
A critical introduction to the study of postcolonial literature through selected readings from contemporary African, American, Australian, Caribbean, Indian and Latin American writers.
Credit: 3 semester hours.

3590 Literature and the Other Arts
A study of selected English and/or American literary texts are evaluated in relation to important works of music, painting, sculpture, dance, theater and/or film.
Credit: 3 semester hours.

3600 Classical Epic in Translation
An examination of Greek and Roman epics from its oral origins in Homer, through its Alexandrian incarnation in Apollonius of Rhodes, to its use as political instrument in Virgil. No knowledge of Greek or Latin required.
Credit: 3 semester hours.
3610 Classical Drama in Translation
Readings and discussions of the representative plays of classical Greek and Roman theatre. No knowledge of Greek or Latin required.
Credit: 3 semester hours.

3620 Classical Mythology in Translation
A study through literary texts of mythology from Greek and Roman culture. No knowledge of Greek or Latin required.
Credit: 3 semester hours.

3630 Utopian Fiction *
This course introduces intermediate and advanced undergraduates to a wide range of utopian fiction.
Credit: 3 semester hours.

3640 Vernacular Literature *
Fiction, poetry, and drama written in various forms of non-standard English.
Credit: 3 semester hours.

3650 Caribbean Literature *
Study of the fiction, poetry, essays, and drama of the Caribbean and the Caribbean Diaspora.
Credit: 3 semester hours.

3660 South Asian Literature
Study of the fiction, poetry, essays and drama of South Asia and the South Asian Diaspora.
Credit: 3 semester hours.

3670 Ethnic Autobiography
We will be reading a selection of “ethnic” American autobiographies, paying careful attention to how the genre, and “ethnic” autobiography in particular, deploys certain literary forms, strategies and devices to construct the self and the nation.
Credit: 3 semester hours.

3680 Reading the Body: Race, Gender, Text
Poststructuralist theories of gender, race, the text and the body.
Credit: 3 semester hours.

3690 Special Topics in Literary and Cultural Studies
A study of special themes and topics in cultural studies, transnational and trans-historical in focus and the ways in which the study of literature can become the basis for a study in “culture” in the broadest sense.
Credit: 3 semester hours.

Creative Writing Courses

3700 The Teaching of Writing
An introduction to composition theory and pedagogy, with special emphasis on oneto-one peer tutoring. Designed especially for education majors, minors and students interested in working in the Writing Center. Lecture, 2 hours. Laboratory (in Writing Center), 4 hours. Credit: 4 semester hours.

3710 Creative Writing
An introduction to writing various forms of nonfiction.
Credit: 3 semester hours.

3720 Creative Writing: Nonfiction Prose
A course designed to help develop creative writing skills, with emphasis on traditional and contemporary forms of poetry, fiction, drama.
Credit: 3 semester hours.

3730 Creative Writing: Poetry
Intensive writing workshop on poetry and poetics.
Credit: 3 semester hours.

3740 Creative Writing: Fiction
Intensive writing workshop on fiction and fiction theory.
Credit: 3 semester hours.

3750 Advanced Writing Workshop
An advanced composition course focusing on the writing of personal narratives, analyses, essays, arguments and research articles.
Credit: 3 semester hours.

3760 Writing as Social Action
Rhetorical analysis of social movements. Students develop portfolios that demonstrate awareness of landmark activism and insight on self-selected organizations working for social justice or change.
Credit: 3 semester hours.

3770 Advanced Fiction Writing Workshop
Advanced workshop in fiction and fiction theory.
Credit: 3 semester hours.

3780 Advanced Poetry Writing Workshop
Advanced workshop in poetry and poetics.
Credit: 3 semester hours.

3800 Working-Class Theory, Literature, and Culture
A survey of British and American cultural studies theories and an exploration of contemporary twentieth century literary and cultural representations of the working class.
Credit: 3 semester hours.

3810 The History of Silent Film *
An advanced introduction to the history of silent film, studying major historical innovations, schools, and styles of filmmaking.
Credit: 3 semester hours.

3820 The History of Sound Film to 1975 *
An introduction to the major national schools and styles of filmmaking from the period of sound’s innovation to the New Hollywood of the mid-70s.
Credit: 3 semester hours.

3880 English Studies in the Digital Age
This course investigates how digital technologies impact the way we read literary texts and it introduces students to debates and practices in the digital humanities.
Credit: 3 semester hours.

3890 Topics in Film Genre *
A study of the formal similarities, stylistic and narrative patterns, and mythic values of a particular generic category of film production.
Credit: 3 semester hours.

3900 Modern Rhetorical Theory
Examination of the development of rhetorical theory from the beginning of the twentieth century to the present including discussion of important thinkers, movements, and issues.
Credit: 3 semester hours.

Seminars and Independent Study

4903 Internship in English and Related Fields
Restricted registration. Field work (8 hours per week) in selected organizations that utilize the English major’s writing and research skills under coordinated faculty and professional supervision.
Credit: 3 semester hours.

4906 Internship in English and Related Fields
Restricted registration. Field work (16 hours per week) in selected organizations that utilize the English major’s writing and research skills under coordinated faculty and professional supervision.
Credit: 6 semester hours.

4953 Independent Study
Restricted registration. Independent research in an area of the student’s own selection under the general advisement of a faculty member.
Credit: 3 semester hours.

4991 Seminar in British Literature
Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. Students may take more than one seminar. Limited to juniors and seniors.
Credit: 3 semester hours.

4992 Seminar in American Literature
Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. Students may take more than one seminar. Limited to juniors and seniors.
Credit: 3 semester hours.

4993 Seminar in Special Author(s)
Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. Students may take more than one seminar. Limited to juniors and seniors.
Credit: 3 semester hours.

4994 Seminar in Theme(s) and/or Genre(s)
Prerequisites: ENG 2200, 2300. Research problems in literature and criticism. Students may take more than one seminar. Limited to juniors and seniors.
Credit: 3 semester hours.

Environmental Studies Program (ESP)

Major Sequences

B.A. in Environmental Sustainability and Decision-Making
45-46 semester hours, including: GOV 1030, 2160, [GOV 2500 or ESP 2500]; GEO 2001; ESP 1010, 1020, 2410 4990; ANT 1120 and one course in applied statistics.
In addition to required courses students must complete 15 credits in approved major elective courses; these may include internship and/or research credits. The current list of major electives is available at the program office SJH 145.
B.S. in Environmental Science

50 semester hours, including: CHE 1210, 1220; BIO 1000, 1000L; 2000, 2001L; 3000, 3001L; GEO 2001; ESP 1010 and 4990.

In addition, students must complete 19 credits in approved major elective courses; these may include internship and/or research credits. The current list of major electives is available at the program office SJH 145.

The B.S. degree in environmental studies requires the completion of MTH 1210, 1220 or 1730 and 1740.

Special Note for Double Majors

Students with multiple majors, one of which is Environmental Studies, may not satisfy the elective portion of the environmental studies major sequence with courses also required in or being applied to the other major(s).

Minor Sequences

Environmental Studies Minor

15 semester hours

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

Environmental Education Minor

15 semester hours

ESP 1010, GEO 2001, ESP 2150 and two additional courses from the list of approved environmental electives.

Note: All 15 credits of the environmental studies minor courses must be from outside of the student’s major courses. No overlap between major and minor courses are permitted.

Environmental Studies Program (ESP) Course Offerings

1010 Introduction to Ecological Principles

Principles governing the relationships between organisms and their environment. Spatial and temporal organization of ecosystems and distribution of biotic communities are emphasized. Credit: 3 semester hours.

1020 Methods of Environmental Analysis Practicum

Prerequisite: ESP 10101. An analytical study of the current methods of environmental analysis focusing on interdisciplinary ecological, geophysical and technological measures. Campus-based field work required. Credit: 3 semester hours.

1050 Natural History of Metropolitan New York (Mini-Course)

Field trips to different natural areas in and around New York City to illustrate various principles of natural history study. Travel expense shared by all students. Not open to students with advanced biology training. Not applicable to major or minor sequences. Credit: 3 semester hours.

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

This Bermuda based multidisciplinary course covers issues involved in environmental decision making such as sustainability, economic, ecological, sociological, ethical and educational. Includes both classroom lectures and field trips. Students should be able to swim and engage in fairly rigorous walking and hiking activities. Credit: 3 semester hours.

1120 Human Ecology

A study of the interrelationships between humanity, social and cultural evolution and the Earth. The nature and impacts of population growth, industry and technological progress are emphasized. Field trips may be included. Credit: 3 semester hours.

2110 The Coastal Environment

A systematic and regional analysis of the environmental problems caused by use and misuse of the coastal zone: estuaries, wetlands, saltmarshes, beaches, and alteration and pollution of these environments. Credit: 3 semester hours.

2150 Concepts and Practices of Environmental Education

Prerequisite: ESP 1010. A survey of the goals and fundamental concepts of environmental education with activities and techniques for integrating environmental education into the curriculum. Field trips required. Credit: 3 semester hours.

2160 American Environmental Politics and Policies

An analysis of the evolution of United States environmental policy and the influence of politics on those policies with particular emphasis on the late 20th century. Credit: 3 semester hours.

2170 Global Environmental Politics and Policies

An analysis of international concern for and policies dealing with global environmental issues. International treaties and accords as well as political differences between nations and groups of nations are emphasized. Credit: 3 semester hours.

2410 Principles and Practices of Sustainable Development

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

2500 Environmental Management, Regulation and Decision-Making

Prerequisite: GOV 1030. Analysis of the major federal environmental statutes, their historical development and amendments, and their practical application in today’s regulated community. Credit: 3 semester hours.

2510 Aquatic Ecology

Corequisite: ESP 2511 Laboratory. Introduction to major ecological principles of freshwater and marine habitats; interrelationships among organisms; role of physical and chemical parameters at the population community and ecosystem level. Field trips required. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3320 Resource Management

Corequisite: ESP 3321 Laboratory. An analysis of the goals, principles, methods and ecological measures currently employed by natural resource managers. Lab and field work required. Field trips. Lecture, 2 hours. Laboratory, 4 hours. Credit: 4 semester hours. Laboratory fee, $100.

3480 Environmental Geology

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

3481L Environmental Geology Laboratory

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

4903-4096 Environmental Studies Internship

Prerequisite: Permission of the Director. An internship program with a variety of environmentally concerned public and private agencies; designed to present the practical side of environmental management. Open to ESP majors only. Credit: 3–6 semester hours.

4953; 4954 Research in Environmental Studies

Restricted registration. Selected environmental studies majors undertake guided research in the application of environmental principles and techniques in participating areas (anthropology, biology, chemistry, geography, government and mathematics). Open to Seniors with a 3.0 GPA and approval of the ESP Director and area Department Chair. Credit: 3 semester hours.

4990 Environmental Analysis Senior Seminar

Prerequisite: Junior or senior standing. An interdisciplinary, capstone seminar exploring the methods and current practices of analysis and problem solving in selected environmental fields and professions. Credit: 3 semester hours.
Environmental Studies Faculty
William M. Nieter, Director, Environmental Studies Program; Assistant Dean, B.A., M.A., CUNY, Queens College; M.S. Ed., Columbia University
Note: ESP courses are taught by the affiliated faculty of the various science and social science departments within the College.

Government and Politics (GOV)

Major Sequences

Government and Politics Major
36 semester hours including: GOV 1050 and 1030; one elective in each of the following areas:
- International Relations: GOV 1610, 2170, 2640, 2810, 3260, 3630, 3670;
- Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3310, 3680, 3710, 3720, 3820, 3850, 3851;
- Political Theory: GOV 1250, 1260, 1270, 1280 and one Senior Seminar. In addition, majors must complete 18 elective hours in GOV courses. Students are permitted a maximum of six hours in fieldwork courses. Eligible seniors may choose six elective hours from 100-level graduate courses.

Public Administration and Public Service Major
36 semester hours including: GOV 1030, 1530, 3540, 4995; one elective in each of the following areas:
- International Relations: GOV 1610, 2170, 2640, 2810, 3340, 3620, 3630, 3670;
- Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3680, 3710, 3720, 3850, 3851;
- Political Theory: GOV 1250, 1260, 1270, 1280.

Public Administration and Public Service Major
36 semester hours including: GOV 1030, 1530, 3540, 4995; one elective in each of the following areas:
- International Relations: GOV 1610, 2170, 2640, 2810, 3340, 3620, 3630, 3670;
- Comparative Government: GOV 1700, 2650, 2660, 2690, 2730, 2750, 3680, 3710, 3720, 3850, 3851;
- Political Theory: GOV 1250, 1260, 1270, 1280. In addition, majors must complete 15 elective hours from GOV 2400, 2420, 2430, 2470, 2480, 2500, 2580, 2955, 3450, 3460, 3570, 3590. Students are permitted a maximum of six hours in public administration fieldwork courses. Eligible seniors may also choose six elective hours from 100-level graduate courses.

Special Note for Double Majors
Students may major in both government and politics and public administration and public service. A maximum of six semester hours may be used to satisfy requirements in both majors. Thus, a double major has to complete a minimum of 66 semester hours. A double major is required to complete two courses in International Relations, Comparative Government and Political Theory. A double major must also complete GOV 4995 and another seminar.

B.A./M.A.
Undergraduate students accepted into the accelerated BA/MA program in Government and Politics will complete a total of 36 credits of combined Government and Politics undergraduate and graduate courses with the following options:
18 undergrad and 18 graduate credits
24 undergraduate and 12 graduate credits.
Eligibility requires an overall 3.0 cumulative index and a 3.5 index in major courses. In their fifth year students pursue full-time graduate work completing the balance of credits necessary to meet the 33 credit MA degree requirement. Please see the department chair for further details.

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

Minor Sequences

Government and Politics
A. For all students except public administration and public service majors: any 18 semester hours in GOV.
B. For public administration and public service majors: any 18 semester hours in GOV not utilized for the major.
C. For The Peter J. Tobin College of Business students: 18 semester hours including:
   1. GOV 1030, ECO 1326 or MGT 3301;
   2. One course in American government from: GOV 2400, 2470, 2480, 2500, 2510, 2950, 2955, 3450, 3460, 3590;
   3. One course in international relations from: GOV 1610, 2640, 2810, 3340, 3620, 3630, 3670;
   4. One course in comparative government from: GOV 2650, 2660, 2690, 2730, 2750, 1700, 3820, 3680, 3710, 3720;
   5. One course in political theory from: GOV 1250, 1260, 1270, 1280;
6. To complete this minor, students apply their GOV courses to six credits in social science electives, three liberal arts credits and six general elective credits.

Note: Students, other than public administration and public service majors, who are interested in pursuing an M.A. in government and politics at St. John’s University should take GOV 1010 and GOV 1030; one course in each of the following areas: international relations, comparative politics, and political theory; and one elective GOV course.

Law and Government
A. For all students except Government and Politics majors: 21 semester hours including Gov. 1010, Gov. 1030 and any five of the following: Gov. 2400, 2490, 2500, 2580, 2600, 3450, 3460, 3570, 3620, HIS 3725, PHI 3420, PHI 3650, SPE 3180, SPE 2020, SOC 2360.
B. For government and politics majors: See Department Chairperson for Advisement.

Public Administration and Public Service
A. For all students except government and politics majors: 15 semester hours including GOV 1030 and 1530, and three of the following: GOV 2400, 2470, 2480, 2500, 2955, 3450, 3460, 3540, 4913.
B. For government and politics majors: 15 semester hours including GOV 1530 and 3540, and three of the following: GOV 2400, 2470, 2480, 2500, 2955, 3450, 3460, 4923.
Note: None of the GOV courses may be used for both the major and minor sequences.

Government and Politics Course Offerings (GOV)

1010 Contemporary Government and Politics
Introduction to the nature and scope of politics. Approaches to the analysis of political behavior and thinking. Major issues and conflicts in the contemporary world.
Credit: 3 semester hours.

1030 American National Government
The nature of United States federalism; the structure and work of the national government; the executive branch; the Congress and executive-legislative relationship; the federal judiciary with reference to appropriate constitutional cases and the departments and administrative establishment.
Credit: 3 semester hours.

1050 Research Methods for Government and Politics
Prerequisite: Gov. 1030. As a foundation for Government and Politics majors this course provides introductions to research methods and scholarly writing. All GOV majors must take 1050 as one of their first 4 courses in the major.
Credit: 3 semester hours.
1250 Western Political Thought I: Classical and Medieval
A survey of great thinkers and movements from the classical period to St. Thomas. Credit: 3 semester hours.

1260 Western Political Thought II: Early Modern
A survey of key works from the Renaissance to the late 19th century, Burke, Machiavelli, Hobbes, Locke, Rousseau, Wollstonecraft, Marx. Credit: 3 semester hours.

1270 Western Political Thought III: Recent and Contemporary
Major topics include Hegel, Marxism-Leninism, Fascism, Socialism, democracy, nationalism and Elitism. Credit: 3 semester hours.

1280 Feminism and Politics
Designed for students with experience and interest in political theory. This course surveys recent feminist contributions to political theory, emphasizing both the range of feminist views and the basis for commonality. Credit: 3 semester hours.

1350 Politics and Religion: The American Experience
Explores the complex relationship between politics and religion in liberal democracy, with a focus on the United States. Credit: 3 semester hours

1530 Introduction to Public Administration
Prerequisite: GOV 1030. The process of government organization, administration, and management; current problems and trends; administrative-political relationships. Credit: 3 semester hours.

1610 International Relations
The legal and political principles underlying the modern state system; foreign policies of the major powers; fundamental factors and problems in international politics; development of international organizations and cooperation. Credit: 3 semester hours.

1700 Comparative Political Systems
The study of the methodology of comparative political analysis and research. Topics include political institutions; ethnicity and ethnic conflict; regimes and regime change; parties and party systems; and democracy and democratization. Credit: 3 semester hours.

2160 American Environmental Politics and Policies
An analysis of the evolution of the United States environmental policy and the influence of politics on those policies with particular emphasis on the late 20th century. Credit: 3 semester hours.

2170 Global Environmental Politics and Policies
Analysis of politics and policies with regard to global environmental issues within a larger discussion of development—sustainable and unsustainable. Credit: 3 semester hours.

2240 The Federalist Papers
Prerequisite: GOV 1030. This course examines the series of pamphlets, commonly known as the Federalist Papers, written by Alexander Hamilton, James Madison and John Jay. Credit: 3 semester hours.

2300 Roots of Modern Ideologies
Prerequisite for non-majors: Permission of the instructor. An examination of the interrelationship of certain social, theological and philosophic concepts and their effect on past and present political orders. Credit: 3 semester hours.

2400 Introduction of the Study of Law
A critical survey and analysis of materials dealing with legal methodology relevant to the study of law. Readings and discussion of leading legal essays and opinions. Credit: 3 semester hours.

2420 Congress: Politics and Policy
Examines the organization of the House and Senate; the evolution of the relationship of Congress with the executive; party politics in the legislative process; contemporary legislative problems. Credit: 3 semester hours.

2430 The American Presidency
Explores the evolution of the American Presidency; the roles played by the chief executive; the various concepts of the office; the president’s position in the Congress; the president’s relationship with Congress. Credit: 3 semester hours.

2470 State and Local Government and Administration
Prerequisite: GOV 1030. Socioeconomic and intergovernmental influences on state politics; party and interest-group politics; legislatures, governors, and state agencies; budgeting and economic development issues. Credit: 3 semester hours.

2480 Municipal Government and Administration
Prerequisite: GOV 1030. Socioeconomic influences on urban politics; machine, reform and post-reform political organization; systems of urban governance; budgeting and land-use issues. Credit: 3 semester hours.

2490 Law Politics and the Individual
Evolution of the laws as a result of the historical, social, political, and economic processes; special emphasis on contemporary American law affecting everyday life. Credit: 3 semester hours.

2500 Environmental and Public Law
Prerequisite: GOV 1030. The political issues surrounding environmental regulation, with an emphasis on bureaucratic and judicial administration of federal legislation governing air, water and land-use. Credit: 3 semester hours.

2510 American Political Parties and Interest Groups
The nature and operation of the political process in the United States; organization and function of the political parties; nominations and elections; voting behavior, the nature of the two-party system; effects of social, economic and cultural forces upon party government; the dynamics of political power. Credit: 3 semester hours.

2520 Politics of Environment and Development
An examination of the political dimensions of environmental issues and development issues in selected countries and regions around the world. Credit: 3 semester hours.

2580 Judicial Process and Behavior
Evaluation of the operation of the American legal system at the national and state levels. Credit: 3 semester hours.

2600 Roman Law and Society
A study of the society and institutions of ancient Rome as revealed in Roman law. No knowledge of classical languages is required. Credit: 3 semester hours.

2640 Foreign Policy of the United States
The origin, development and application of the major principles controlling American foreign relations. Credit: 3 semester hours.

2650 Government and Politics of Western Europe
Introduction to contemporary Western European political systems, institutions of those systems, and six major countries: Great Britain, France, Germany, Italy, Netherlands, and Spain. Credit: 3 semester hours.

2660 Government and Politics of Eastern Europe
Introduction to contemporary political systems in Central/Eastern Europe, institutions of those systems, and their transition from socialist to market economies, and transformation to democratic institutions. Credit: 3 semester hours.

2670 European Union Politics
Creation of the European Union and the politics of European integration; examines European Union activities and its role in policy development, common market and currency, and foreign affairs. Credit: 3 semester hours.

2690 Government and Politics of Latin America
The origin, structures and functions of Latin American governments. Credit: 3 semester hours.

2730 Russia and the CIS Republics
Russian transformation to post-communist political and economic system; democratic and non-democratic systems of the post-Soviet Republics in Central Asia, Ukraine, Belarus and the Baltic States. Credit: 3 semester hours.

2750 Politics of the Caribbean Area
A study of the political development of the Caribbean area, emphasizing the nations of Cuba, Haiti, the Dominican Republic and
Jamaica. Special attention is also given to the patterns of colonial control, the unique position of Puerto Rico and attempted alliance and confederation. Credit: 3 semester hours.

2760 The Politics of Puerto Rico
An analysis of the government and politics of the Commonwealth of Puerto Rico; political traditions, the issue of political status and Puerto Rico’s relationship with the United States and current political conditions and problems. Credit: 3 semester hours.

2810 The Politics of War
The causes of war, with emphasis on the twentieth century; legal and cultural aspects of war; prediction and control of war. Credit: 3 semester hours.

2950 Workshop on Political Campaigning (Mini-Course)
The application of principles of campaigning during a simulated election campaign; roles of citizen and party candidate selection, campaign organization, funding, election day and postelective activities. Credit: 3 semester hours.

2955 Management Tools in Public Administration Decision Making and Leadership (Mini-Course)
Students use case studies, engage in interpersonal communication skill building and participate in small decision-making groups. Credit: 3 semester hours.

3200 Political Image Through Literature
Relationship of politics, literature, and especially film through the topics of domestic electoral politics, Vietnam War, political violence, gender and love, social rebellion. Credit: 3 semester hours.

3290 The Politics of Revolution
Empirical theories of revolution through the reading and analysis of major theoretic attempts to delineate the causes, development, and effects of revolution, with examples of revolutions in world history from the classical period to the present. Credit: 3 semester hours.

3310 Comparative Diversity, Identity and Governance
Examines the politics of highly diverse societies, analyzing the quality and level of cultural, ethnic, national, religious and linguistic diversity as variables in effective governance. Credit: 3 semester hours.

3320 Current Terrorist Movements
An analysis and evaluation of the ideologies, strategies and tactics of the leading revolutionary movements in the world today. An analysis and evaluation of the counterrevolutionary measures commonly used by governments. Credit: 3 semester hours.

3330 American Political Thought in the 19th and 20th Centuries
The nature and purpose of the state as expressed by selected writers from colonial times to the Populist Era. Credit: 3 semester hours.

3340 Arms Races and Arms Control
This course investigates the origins and implications of arms races in the context of international relations theory and 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 Political Systems
The process of opinion formation; role of public opinion in politics; propaganda and public relations; measurement of public opinion; role of pressure groups; public opinion and current political issues. Credit: 3 semester hours.

3540 Research Methods in Political Science
Prerequisite: GOV 1530. An examination of problem definition, developing concepts and variables, hypothesis testing and the use of quantitative techniques in public administration and political science. Credit: 3 semester hours.

3570 Comparative Law
A critical inquiry into the origins, sources and formation of the three major legal traditions: common law, civil law and socialist law. Analysis of selected substantive topics in a comparative setting. Credit: 3 semester hours.

3590 The American Government and Business Relationship
The relationship of government and business emphasizing industries with seller concentration and their market conduct. Consideration of selected activities and industries: agriculture, inventions and patents, banking and finance, public utilities, and the shaping of public policy. Credit: 3 semester hours.

3620 International Law
The nature and scope of international law; the organization of the community of nations; selected substantive roles of international law. Credit: 3 semester hours.

3630 Foreign Policy of the Major Powers
Fundamental factors influencing the international political behavior of the major powers in world affairs. Credit: 3 semester hours.

3670 International Political Economy
Theoretical and empirical relationships between politics and economics at the international level. Regional economic cooperation, trade issues, international monetary policies and North-South difference. Credit: 3 semester hours.

3680 Politics of Africa
The dynamics of the societies in transition in the developing nations of Africa; analysis of their evolution from colonial dependency and traditional tribal units into modern nation-state systems. Credit: 3 semester hours.

3710 Governments and Politics of the Far East
The political and institutional developments in the states of the Far East, with major emphasis on China, Japan and Korea; their political backgrounds and present foreign relations. Credit: 3 semester hours.

3720 Governments and Politics of South and Southeast Asia
The political and institutional developments of South Asia, emphasizing India, Pakistan, Bangladesh, Sri Lanka and those of Southeast Asia, emphasizing Vietnam, Indonesia and the Philippines. Credit: 3 semester hours.

3800 American Econopolitics
The role of economics in domestic and foreign politics, with special attention to recent developments; political consequences of economic growth; public and government policy in prosperity and recession. Credit: 3 semester hours.

3820 Politics of the Middle East
Historical development of the Middle East in politics, economics and political thought. Political institutions in the Maghrib; Zionism; the Palestinian question; the politics of oil. Credit: 3 semester hours.

3850 Politics of Developing Countries
The politics of developing countries with a focus on the political economy of development to issues of globalization, national integration, social conflict, the role of the state, civil society and democratization. Credit: 3 semester hours.

3851 Politics of Genocide
Prerequisite: Gov 1010. The political issues surrounding genocide and collective violence. The course will help students to better understand one of the most complex and troubling issues in historical and contemporary political life. Credit: 3 semester hours.

3992 Integrating Seminar: Politics of the European Union in Paris, Rome and Salamanca
Distance Learning: open only to students enrolled in the Discover the World Program. An integrative and comparative political science framework for examining the European Union’s impact on and relations with, France, Italy and Spain. Credit: 3 semester hours.

4903; 4906 Legislative Politics Internship Program
Prerequisite: Permission of the coordinator. An internship program in the office of a city, state or national legislator or legislative committee. Periodic consultation with the internship coordinator is required. Credit: 3 or 6 hours per semester.

4913; 4916 Field Work in American Politics
Prerequisite: Permission of the coordinator. An internship program in the field of American politics ranging from campaign work to legal process. Periodic consultation with the internship coordinator is required. Credit: 3 or 6 hours per semester.
4923; 4926 Field Work in Public Administration
Pre requisite: Permission of the coordinator. An internship program in a federal, state, or local government office or with a not-for-profit group. Periodic consultation with the internship coordinator is required.
Credit: 3 or 6 hours per semester.

4933; 4936 Public Administration Internship
Pre requisite: Permission of the coordinator. An internship program with officials from international organizations. Periodic consultation with the internship coordinator is required. Credit: 3 or 6 hours per semester.

4946 New York State Legislative Internship Program Academic Component
Corequisite: GOV 4949, permission of University liaison and acceptance to New York State Senate or Assembly Internship Program. Comprehensive orientation, classroom lectures, classroom discussion sections, tests, written assignments, a research paper, issue forums and a mock legislative session. Credit: 3 semester hours.

4947 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
Pre requisite: nine semester hours in GOV. Open to juniors and seniors only. Departmental approval required. Guided research and reading on an individual basis. By approval of the chair. Credit: 3 semester hours.

Senior Seminars
Limited to Government majors in their senior year. Juniors with permission of the Chair. Readings, reports and discussions on topics of student interest, under supervision of the faculty member. Enrollment is in one of six sections below, but majors may take more than one seminar. Credit: 3 semester hours.

4991 Seminar in American Government
Pre requisite: At least six credits from among: GOV 1030, 1530, 2400, 2420, 2430, 2470, 2480, 2490, 2500, 2510, 2640, 2950, 3450, 3460, 4933, 4936, 2580, 3590, 2760, 3800. Credit: 3 semester hours.

4992 Seminar in International Relations
Pre requisite: GOV 1610 and at least three credits from among: 1610, 2640, 2650, 2660, 2690, 2750, 2810, 3620, 3630, 3710, 3720, 3820. Credit: 3 semester hours.

4993 Seminar in Comparative Government
Pre requisite: At least six credits from among: 1700, 2650, 2660, 2690, 2750, 3680, 3710, 3720. Credit: 3 semester hours.

4994 Seminar in Political Theory
Pre requisite: At least six credits from among: 1207, 1250, 1260, 2300, 3330. Credit: 3 semester hours.

History (HIS)/Geography (GEO)

Major Sequence—History
36 semester hours including: HIS 1010 and 1000C, 2990, six credits in U.S. history, six credits in European history, six credits in non-Western history, a three-credit seminar in junior or senior year, and six elective hours in courses offered by the Department.

B.A./M.A.
Students admitted to the accelerated B.A./M.A. Program in History take as their major sequence in History for their baccalaureate and masters degree. 36–39 semester hours including HIS 1010 and 1000C, 2990, six credits in U.S. history, six credits in European history, one seminar or colloquium, one undergraduate elective in history, plus a minimum of four, up to a maximum of five graduate-level history courses (one of which must be HIS 401 taken during the senior year). Eligibility requires a 3.0 overall cumulative index and a 3.5 index in history. For additional requirements for the master’s degree, students should consult the St. John’s University Graduate Bulletin.

Minor Sequence—History
18 semester hours in history including HIS 1010, 1000C, 2990 and one colloquium or seminar, but excluding HIS 1301 and 1302.

Major Sequence—Social Studies
36 credits, including HIS 1010 and 1000C, six credits in U.S. history, six credits in European history, six credits in non-Western history and one course each from economics, geography, government and sociology. (Available on Staten Island campus only.)

History Course Offerings (HIS)

1000-Level: Surveys

1000C Emergence of a Global Society
A survey of the historical foundations of contemporary societies: global dissemination of scientific, technological and industrial revolutions; the spread of world religions, democracy and internationalism; accommodation and resistance to Western hegemony; globalization as a historical force. Credit: 3 semester hours.

1010 World History I
A topical approach to forces and events that shaped the modern world, including ancient empires, Western civilization and Christianity, the impact of Islam, African and pre-Columbian civilizations, and the new learning of the Renaissance and Age of Exploration. Credit: 3 semester hours.

1301 U.S. from Colonial Times to the Civil War
A survey of the main political, economic, social and religious developments from the Peace of Paris to the Civil War. Students may not take HIS 1300 in conjunction with or after completion of HIS 1301. Credit: 3 semester hours.

1302 U.S. from Civil War to the Present
A survey of the main political, economic, social and religious developments from the Civil War to the present. Students may not take HIS 1300 in conjunction with or after completion of HIS 1302. Credit: 3 semester hours.

Required Course for the History Major and Minor

Sophomore Seminar: Introduction to History
Restricted registration. Foundations of historical thought and practice: basic tools of historical analysis and research, overview of the development of historical studies, how to read and write history. Required of all majors and minors in their sophomore year. Credit: 3 semester hours.

2000-Level: Major courses, Surveys and Chronological Courses

Ancient History

2001 Early Ancient Civilizations
Human society at the dawn of civilization; formation and development of ancient Mesopotamian, Egyptian, Hebraic and other pre-Hellenic civilizations. Credit: 3 semester hours.

2002 Ancient Greek and Roman Civilizations
A course on the growth and development of ancient Greece, the Hellenic culture, and the Roman Republic and Empire. Credit: 3 semester hours.

2005 After Rome: Later Christendom, Byzantium and Islam to 800
Comparison of the three great medieval societies that arose from the Roman Empire: the Byzantine Empire, the Latin Christian Frankish Kingdom, and the Abbasid Caliphate. Credit: 3 semester hours.

2007 Food and History from Ancient to Early Modern Times
The course examines themes in the history of food and drink from early hunting and gathering to the early modern period, including production, procurement, consumption, and cultural representations. Credit: 3 semester hours.

2009 Food and History from Ancient to Early Modern Times to the Present
The course examines themes in the history
of food and drink from the early modern period to the present, including production, procurement, consumption and cultural representations. Credit: 3 semester hours.

Non-Western Surveys

2300 History of Africa
History of the continent from earliest times to the present; pre-history, Mediterranean, Arabic, European and contemporary re-Africanization; the problem of developing history from both oral and written sources. Students may not take HIS 2301 or 2302 in conjunction with or after completion of HIS 2300. Credit: 3 semester hours.

2301 Africa in the Colonial Period
The impact of Islamic and European cultures in the colonial period. The Industrial Revolution, and the expansion of Europe into Africa. Detailed analyses of Belgian, British, French, German and Italian imperialism. Students may not take HIS 2300 in conjunction with or after completion of HIS 2301. Credit: 3 semester hours.

2302 Contemporary Africa
The African reaction to slavery, colonialism, the birth of nationalism, and the dismemberment of the colonial empires. Problems of nationbuilding and development in the newly independent states of Africa. Students may not take HIS 2300 in conjunction with or after completion of HIS 2302. Credit: 3 semester hours.

2310 History of Asia
The historical and cultural background of Eastern civilization to the mid-19th century; subsequent developments of power rivalries, westernization and nationalism; problems of the contemporary Far East. Students may not take HIS 2311 or 2312 in conjunction with or after completion of HIS 2310. Credit: 3 semester hours.

2311 History of East Asia
The political, intellectual, cultural, social and economic developments of China and Japan from ancient times to 1900. Students may not take HIS 2310 in conjunction with or after completion of HIS 2311. Credit: 3 semester hours.

2312 History of Modern East Asia
The forces and events that have shaped 20th-century China, Japan and Korea, such as efforts at modernization, the emergence of nationalism, imperialism, Communism and the problems of the contemporary period. Students may not take HIS 2310 in conjunction with or after completion of HIS 2312. Credit: 3 semester hours.

2320 The Middle East
Environmental, economic, social and cultural forces that shaped the modern Middle East with emphasis on impact of Ottoman and Western imperialism, Arab-Israeli conflict and the Islamic Revolution. Credit: 3 semester hours.

2321 History of Islamic Society
Survey of how the rise of Islam in Arabia affected Arab and Iranian lands from the seventh to thirteenth century A.D. Credit: 3 semester hours.

2330 History of Latin America
A survey of the political, intellectual, cultural, social and economic developments that have shaped the history of Latin America from the development of Native American civilizations and the European conquests to contemporary independent states. Students may not take HIS 2331 or 2332 in conjunction with or after completion of HIS 2330. Credit: 3 semester hours.

2331 History of Latin America I
Pre-Columbian background; European discovery and colonization, plantation life, the role of the Church, and the independence movements. Students may not take HIS 2330 in conjunction with or after completion of HIS 2331. Credit: 3 semester hours.

2332 History of Latin America II
Independence from Spain; economic, cultural, religious and political struggles; the caudillos; the relationship with U.S.; Castro era. Students may not take HIS 2330 in conjunction with or after completion of HIS 2332. Credit: 3 semester hours.

2340 The History of Pre-Columbian Civilizations
Survey of pre-Columbian societies emphasizing political, cultural, social, technological, and economic accomplishments of the Maya, Aztec, and Inca civilizations. Credit: 3 semester hours.

2450 History of the Modern Caribbean
A survey of Caribbean history spanning from the pre-Columbian era to the turn of the twenty-first history. Credit: 3 semester hours.

3303 History of Brazil 1500 to Present
This course examines Brazil's history from its first contact with Europeans through the eras of the slave, abolition and independence. Credit: 3 semester hours.

European Surveys

2500 Europe in Medieval Times
The decline of Rome; the rise of the Christian church; the Carolingian era; the evolution of feudalism; the Crusades, the growth of commerce and town life; the rise of feudal monarchies. Students may not take HIS 2501 or 2502 in conjunction with or upon completion of HIS 2500. Credit: 3 semester hours.

2501 Early Medieval History
The emergence of medieval European civilization out of Judeo-Christian, Greco-Roman and Germanic institutions and ideas from the decline of the Roman Empire to the 11th-century. Students may not take HIS 2500 in conjunction with or after completion of HIS 2501. Credit: 3 semester hours.

2502 Late Medieval Europe
The economic, political, intellectual and religious developments in Europe from the 12th to the 15th centuries. Students may not take HIS 2500 in conjunction with or after completion of HIS 2502. Credit: 3 semester hours.

2510 Europe: Renaissance to Reformation
The revival of the classical spirit and the growth of vernacular literatures; the evolution of modern statecraft and diplomacy; the revolt of Martin Luther; Calvinism, the Anglican Reformation, the Counter-Reformation; the Spanish hegemony and the Thirty Years' War. Students may not take HIS 2510 in conjunction with or after completion of HIS 2511 or 2512. Credit: 3 semester hours.

2511 Renaissance and Reformation
The transition from medieval to modern Europe; the new spirit of humanism; the expansion of Europe; the new monarchies and dynastic diplomacy; the dissolution of Christendom. Students may not take HIS 2511 in conjunction with or after completion of HIS 2510. Credit: 3 semester hours.

2512 Reformation and Counter-Reformation
A course which focuses on the Protestant revolt, the Catholic response; the hegemony of Spain, the expansion of England and the revival of France, and the Thirty Years' War. Students may not take HIS 2512 in conjunction with or after completion of HIS 2510. Credit: 3 semester hours.

2520 The Age of Absolutism
Louis XIV and Divine Right monarchy; the rise of Prussia and Russia; colonial rivalries; the exaltation of science and reason; the nature of the Old Regime; enlightened despotism. Credit: 3 semester hours.

2530 Europe in the 19th-Century
The Napoleonic Era: the Vienna settlement and the Concert of Europe; the Industrial Revolution; Nationalism; liberalism, conservatism and Socialism as forces in European life; the Revolution of 1848; the unification of Italy and Germany; the New Imperialism. Students may not take HIS 2530 in conjunction with or after completion of HIS 2531, 2532, or 2533. Credit: 3 semester hours.

2531 The Age of Revolution
The collapse of the Old Regime; France, from Revolution to Empire; the European Revolution; Napoleon and the reconstruction of Europe. Students may not take HIS 2531 in conjunction with or after completion of HIS 2530. Credit: 3 semester hours.

2532 Europe in an Age of Nationalism, 1815–70
The Restoration era and the Concert of Europe; liberalism and conservatism in conflict; the emergence of nationalism, the revolutions of 1848; the Crimean War; the triumph of nationalism in Italy and Germany. Students may not take HIS 2532 in conjunction with or after completion of HIS 2530. Credit: 3 semester hours.
2533 Europe at its Zenith, 1870–1914
Institutions, ideologies and developments in the German Empire, the Third French Republic, the Italian Kingdom, and the Habsburg Monarchy; development of the new imperialism and imperial rivalries; the coming of WWI. Students may not take HIS 2533 in conjunction with or after completion of HIS 2530. Credit: 3 semester hours.

2540 Europe and the 20th-Century World
International relations, 1900 to 1914; WWI; the Russian Revolutions; Post-WWI Europe; the rise of Fascist dictatorship; WWII; the Cold War and international power blocs. Students may not take HIS 2540 in conjunction with or after completion of HIS 2541 or 2542. Credit: 3 semester hours.

2541 Europe: World War I, Hitler and Stalin
WWI and the disintegration of the German, Habsburg, Russian and Ottoman empires; the Russian Revolution; the Paris peace process and the European state system; Italian Fascism; the Great Depression, Nazi Germany, Stalinist Russia, and economic and political instability in the 1930s. Students may not take HIS 2541 in conjunction with or after completion of HIS 2540. Credit: 3 semester hours.

2542 Europe from World War II to the Present
WWII; defeat of the Axis and the destruction of European primacy; Cold War and the division of Europe; economic reconstruction; the fall of Communism; growth of the European Community; and issues in contemporary Europe. Students may not take HIS 2542 in conjunction with or after completion of HIS 2540. Credit: 3 semester hours.

American Surveys

2334 A History of the Atlantic World, 1492–1888
This course examines political, social, economic and cultural changes resulting from the circulation and confrontation of Europeans, Africans and Americans around the Atlantic rim. Credit: 3 semester hours.

2700 U.S.: Colonial America
The European background; the transplanting of European institutions to the New World; internal development of the colonies; imperial rivalries; evolution of the colonial political system; the coming of the Revolution. Credit: 3 semester hours.

2710 U.S.: The Early National Period
Major developments of the political, economic and social history of the United States from the Revolutionary War to the War with Mexico. Students may not take HIS 2710 in conjunction with or after completion of HIS 2711 or 2712. Credit: 3 semester hours.

2711 U.S.: The Revolutionary Age
The progress and outcome of the War for Independence; the Confederation Period; the making of the Constitution; the Federalist Era. Students may not take HIS 2711 in conjunction with or after completion of HIS 2710. Credit: 3 semester hours.

2712 U.S.: Jeffersonian and Jacksonian Periods
The United States in the early to mid-nineteenth century; demographic and economic transformation from a rural agrarian to an urban industrial nation; immigration, economic modernization and territorial expansion; slavery and other tensions between North and South. Students may not take HIS 2712 in conjunction with or after completion of HIS 2710. Credit: 3 semester hours.

2720 U.S.: Civil War and Reconstruction
Political, economic, social and military problems facing the U.S. during the Civil War and Reconstruction. Credit: 3 semester hours.

2730 U.S.: The Gilded Age
Technological, industrial and organizational changes in the last quarter of the nineteenth century; economic, social, and political impact of these changes; achievements and abuses of capitalism; growth of organized labor and emergence of Populism. Credit: 3 semester hours.

2740 U.S.: The Age of Reform
The Age of Reform and empire; problems of neutrality and Wilsonian leadership; WWI; economic expansion and collapse; the Roosevelt era. Credit: 3 semester hours.

2750 U.S.: World War II and Post-War America
The U.S. and WWII; the Truman reforms; origins of the Cold War; the Eisenhower years; the 60s; Vietnam and domestic turmoil; Watergate and after. Credit: 3 semester hours.

3000-Level: Topics Courses and Country Courses

Global and Comparative History Topics

3100 America Meets China
A historical look at the encounter between the U.S. and China from 1785 to the present, as prologue to uniquely American forms of globalism and multiculturalism today. Credit: 3 semester hours.

3110 The Papacy Confronts the Modern World
The papacy from the age of revolutions to the present, examining its reaction within the broader framework of religious, political, social and economic developments from Pius VI to John Paul II. Credit: 3 semester hours.

3120 The History of Racism in the West Since 1500
The history of racism in Europe and the Americas including racist theories, slavery and its legacy, anti-Semitism, the Holocaust and debates on race and ethnicity. Credit: 3 semester hours.

3130 Personalities in History
Prerequisite: HIS 1001, 1002, or 1300, or permission of instructor. Readings and discussion of select biographical studies of significant personalities in history. Credit: 3 semester hours.

3140 History of Sexuality
The history of sexuality as it relates to comparative world history. Students analyze how sexuality problematizes the interpretation of historical events, personalities and themes, including colonization, nationhood, war, medicine and social movements. Credit: 3 semester hours.

3150 History of Inter-American Relations
Readings and research on United States–Latin American relationships from the 19th century to the present with emphasis on issues such as regional economic integration, revolutionary movements, obstacles to democracy, immigration and the drug trade. Credit: 3 semester hours.

3160 History of Human Rights
A survey of the concept of human rights in the modern world, including political, economic, social, religious and cultural rights. Credit: 3 semester hours.

3170 History Through Film
History through the medium of film: how culture and history have been treated through the cinematic medium. Credit: 3 semester hours.

3180 America and the Muslim World
A narrative of Muslims in American history: reflections upon Islam; interactions with Muslims, and consumption of Middle Eastern goods. Credit: 3 semester hours.

Non-Western History: Topics and Countries

3300 Women in Latin American History
An analytical study of the social, cultural, political and economic importance of women in the historical development of Latin America during the 19th and 20th centuries. Credit: 3 semester hours.

3301 History of Mexico
This course examines the history of Mexico from its earliest civilizations to the present day through lectures and readings and the use of photographs, material evidence, biography, literature and film. Credit: 3 semester hours.

3310 History of Japan
A survey of the political, intellectual, cultural, social and economic developments that have shaped the history of Japan from its earliest historical beginnings to its role in twentieth century world affairs. Credit: 3 semester hours.

3340 Asian Pacific Diasporas in Modern History
A historical survey of the experiences, identities and cultural transitions of diasporas of peoples of East, South and Southeast Asian and Pacific ancestry. Credit: 3 semester hours.
3350 The History of Ancient and Medieval China
Chinese history from ancient times to the 19th century, covering the great traditions (Confucian, Taoist, Buddhist and Literati-Bureaucratic) and the lore and legends of the folk (from the meditative to the apocalyptic). Credit: 3 semester hours.

3360 The History of Modern China
Tragedies and triumphs of China in the modern world: the fall of the Manchu Empire, warlordism, WWII, civil war, the Communist Revolution, Maoism, the recent economic miracle and strategic choices for the future. Credit: 3 semester hours.

3365 History of China and Korea Through Literature and Film
The modern social, intellectual and cultural history of China and Korea, as reflected in their literary texts and visual media from 1900 to the present. Credit: 3 semester hours.

3370 Modern Wars in Asia
Modern wars in Asia: World War II, the Cold War, Korea, Vietnam and subsequent conflicts. Emphasis is on causes, aftermaths and “history and memory.” Credit: 3 semester hours.

3375 Asian-American History
The history of Asians in the United States, including historical relations between Asians and other minorities, U.S. foreign policy in Asia and contemporary issues faced by Asian communities in an increasingly globalized and multi-racial American society. Credit: 3 semester hours.

3380 History of Iran
A history of Iran focusing on dynastic formation, political consolidation, cultural production, and religious movements. Credit: 3 semester hours.

3400 African Civilizations and the African Diaspora
Explores major African civilizations before the 19th century, including ancient Egypt, the Mali Empire and Great Zimbabwe. Includes the African Diaspora to the new world. Credit: 3 semester hours.

3410 African Nationalism
Africa's involvement in the Atlantic world from the 15th through the 19th centuries, focusing on the slave trade and transformations of African economies and societies. Credit: 3 semester hours.

3460 Gender in Islamic History
The course examines gender in Islamic history by focusing on male and female social expectations, marriage and divorce, and participation in public space. Credit: 3 semester hours.

European History: Topics and Countries
3501 Diplomatic History of Europe I
Reconstruction of Europe; Congress of Vienna; Metternich; German and Italian unifications; diplomacy of World War I and Versailles. Credit: 3 semester hours.

3502 Diplomatic History of Europe II
Peacemaking in 1919 and its consequences; League of Nations; diplomacy of World War II and peace; superpowers and the Cold War. Credit: 3 semester hours.

3511 History of England I
A survey of English history from the Roman invasion to the early Stuarts, with emphasis on constitutional developments, and on changing political, economic, social and religious conditions. Credit: 3 semester hours.

3512 History of England II
A survey of English history from the late Stuarts to the 20th century. Emphasis is placed on the development of party politics, the Industrial Revolution, imperial expansion, foreign policy and the twentieth-century welfare state. Credit: 3 semester hours.

3521 The Rise of Modern Germany
Germany and the French Revolution, Austria and the Metternichian System, the unification struggle; the Second Reich. Credit: 3 semester hours.

3522 Germany in the 20th Century
The First World War and its consequences; the Weimar Republic, the Third Reich; defeat and recovery. Credit: 3 semester hours.

3540 Modern Italian History
Intellectual, religious, economic and political developments in the Italian peninsula from the Risorgimento to the post-World War II era. Students may not take HIS 3540 in conjunction with or after completion of HIS 3541 or 3542. Credit: 3 semester hours.

3560 Women in Medieval Europe
Thematic survey of women’s experiences in medieval Europe, both noble and peasant, religious and secular, with a particular emphasis on women writers. Credit: 3 semester hours.

3562 Women in Modern Europe
Changes since 1800 in women's work, role in the family, sexuality, education, political rights. Feminist and anti-feminist ideologies. Women in war, revolution, fascism and Communism. Credit: 3 semester hours.

3580 Wars of Empire (Mini-Course)
Prerequisite: HIS 1010. Examines the rise and fall of modern imperialism, 1870-1970, focusing on the conflict between Western colonialism and non-Western nationalism. Credit: 3 semester hours.

3650 Russia, the Soviet Union and the Soviet Successor States
A history of the peoples of the former Soviet Union from the time of Kievan Russia through the rise of Muscovy and Imperial Russia to the Communist Revolution and post-Cold War present. Students may not take HIS 3650 in conjunction with or after completion of HIS 3651, 3652 or 3653. Credit: 3 semester hours.

3651 Medieval and Early Modern Russia
Early Russian history to the reign of Peter the Great: links with Byzantium and the Christian Orthodox world, the Mongol conquest, the rise of Muscovy territorial expansion, the Time of Troubles, the Church Schism and relations with Western Europe. Students may not take HIS 3651 in conjunction with or after completion of HIS 3650. Credit: 3 semester hours.

3652 The History of Modern Russia
The rise of national consciousness in Russia in the 18th and 19th centuries; Eastern and Western intellectual influences; serfdom, emancipation and industrialization; Marxism, war and revolution. Students may not take HIS 3652 in conjunction with or after completion of HIS 3650. Credit: 3 semester hours.

3653 The History of the Soviet Union and the Successor States
The evolution of the Soviet Union from 1917 to 1991: development of the one-party Communist state, the Great Terror, WWII, de-Stalinization, stagnation and reform, nationalism and the dissolution of the Soviet Union. Post-Soviet trends in former Soviet nations. Credit: 3 semester hours.

3660 Russia as a Multinational Empire
Russian territorial expansion; Russification and Russian colonialism; Caucasus and the East as themes in Russian culture; Bolshevikism, Communism and nationalism, resurgence of nationalism and collapse of the Soviet Union. Credit: 3 semester hours.

American History: Topics
3701 U.S. Foreign Relations, 1890–1945
U.S. imperialism and the rise to world power; WWI and the League of Nations; interwar diplomacy; U.S. foreign policy in WWII. Credit: 3 semester hours.

3702 U.S. Foreign Relations, 1945 to the Present
Origins of the Cold War in Europe and Asia; the Korean War; the German question; the Berlin crises and Germany; the Vietnam War; détente; the second Cold War; U.S. diplomacy in the 1980s. Credit: 3 semester hours.

3705 Race Relations in American Foreign Policy
The history of the relationship between American foreign policy and domestic race relations in the nineteenth and twentieth centuries. Credit: 3 semester hours.

3711 African-American History to 1900
This course provides a survey of the factors which shaped the work, culture and political struggles of African-Americans before World War I. Credit: 3 semester hours.
3712 African-American History since 1900
This course studies the social history of African-Americans from 1900 to the present which include political, social, economic and cultural topics. Credit: 3 semester hours.

3715 History of Race and Ethnicity in the United States
The history of race and ethnicity in the United States through the history of American institutions and the interactions among its peoples. Credit: 3 semester hours.

3718 American Slavery: History, Fiction, and Film
Slavery in the Americas as experienced by slaves and masters and as depicted in fiction and film. Credit: 3 semester hours.

3720 Indians and Europeans in Early America
Introduces the major topics and themes in the ethnohistory of early America from first contact through about 1815. Credit: 3 semester hours.

3725 Law in American History
Major trends in American legal history, including imperial and provincial origins of American legal culture, politics of constitutional reform, effects of territorial and commercial expansion, majority and minority interests, legal construction of power and legal activism. Credit: 3 semester hours.

3731 Women and Gender in Early America: from Settlement to the Civil War
A survey course which analyzes the socioeconomic, cultural and political factors that influenced the evolution of American women’s history from the period of colonial settlement to the Civil War. Credit: 3 semester hours.

3732 Women and Gender in Modern America: Civil War to the Present
A survey course which analyzes the socioeconomic, cultural and political factors that influenced the evolution of American women’s history from the Civil War to the present. Credit: 3 semester hours.

3735 Women and Social Movements in U.S. History
Women’s participation in American social movements, from boycotts of British goods in the 1770s, through the development of feminism two hundred years later. Credit: 3 semester hours.

3740 U.S.: Urban America
Growth and urbanization and their effects upon modern American life and institutions. Credit: 3 semester hours.

3750 The American South from Reconstruction to the Present
The social, material, cultural and political factors that influenced the transformation of the Southern society, economy and politics from the Reconstruction era to the contemporary period. Credit: 3 semester hours.

3760 History of New York City and Long Island
The history of New York City and Long Island as a significant episode in the history of the United States. Emphasis is placed on social, economic, cultural and religious developments. Credit: 3 semester hours.

3770 Economic Geography of New York City
The historical and economic factors that have contributed to making the metropolitan area a cultural capital and the hub of education, social life and business activity. Credit: 3 semester hours.

3795 Technology and Science in 20th-century America
From the age of inventions to the rise of the Internet, the ways in which science and technology shape, and are shaped by, human action and decisions. Credit: 3 semester hours.

3800 FDR: President and Statesman (Mini-Course)
The domestic policies of Franklin D. Roosevelt as president and his role and policies as a world leader during World War II. Credit: 3 semester hours.

3850 Africa and the Atlantic (Mini-Course)
Africa’s involvement in the Atlantic world from the 15th through the 19th centuries, focusing on the slave trade and transformations of African economies and societies. Requires travel to West Africa. Credit: 3 semester hours.

3900 History of Canada
A survey of the political, intellectual, cultural, social and economic developments which have shaped the history of Canada from the earliest European discoveries of the North American continent to its current state of domestic and foreign affairs in the 20th century. Credit: 3 semester hours.

3990 Historical Research Methods in NYC
An introduction to historical research methodology in New York City. The course will be held at the Manhattan Campus and the New York Public Library: Stephen A. Schwarzman Building. Credit: 3 semester hours.

4000-Level: Internships, Independent Study, Colloquia and Seminars

4903 Internship in History
Restricted registration. Fieldwork (eight hours per week) in selected museums, libraries, historical sites, or other like organizations under coordinated faculty and professional supervision. Credit: 3 semester hours.

4906 Internship in History
Restricted registration. Fieldwork (16 hours per week). See HIS 4903. Credit: 6 semester hours.

4930 Colloquium in U.S. History
Restricted registration. Research and writing on selected topics in U.S. history. Credit: 3 semester hours.

4991 Colloquium in European History
Reading and discussion of selected topics in European history. Credit: 3 semester hours.

4992 Seminar in European History
Restricted registration. Research and writing on selected topics in European history. Credit: 3 semester hours.

4993 Colloquium in U.S. History
Reading and discussion of selected topics in U.S. history. Credit: 3 semester hours.

4994 Seminar in U.S. History
Restricted registration. Research and writing on selected topics in U.S. history. Credit: 3 semester hours.
Languages and Literatures (L.L.T)

Major Sequences
Spanish B.A./M.A.
The Department of Languages and Literatures offers an intensive, accelerated combined degree program leading to both the B.A. and M.A. degrees in five years of full-time study. Qualified undergraduate students who have completed their sophomore year with a 3.0 cumulative index and a 3.5 for 12 credits in Spanish are encouraged to apply. The students in the B.A./M.A. program take 39 semester hours distributed as follows: SPA 3090, SPA 3100, SPA 3550, SPA 3560, SPA 3870, SPA 3880; six elective credit hours selected among other advanced Spanish undergraduate courses and 15 credit hours in 100- and 200-level Spanish graduate courses. These 15 credits, taken during the junior and senior years, will count towards the M.A. degree.

Spanish (SPA) (B.A.)
33 semester hours, including SPA 3090, 3100; 3550, 3560; 3870, 3880, 4990; and 12 elective hours in advanced Spanish courses. Spanish majors are urged to study a second foreign language and to take courses in classical civilization among their general electives. A Spanish major who, in the judgment of the Department, shows a deficiency in speaking Spanish shall be required to take one or both terms of SPA 3110, 3120.

French (FRE) (B.A.)
33 semester hours, including FRE 3090, 3100; 3550, 3560; 3870, 3880, 4990; and 12 hours in advanced French courses. French majors are urged to study a second foreign language and to take courses in Classical civilization among their general electives. A French major who, in the judgment of the department, shows a deficiency in French grammar shall be required to take FRE 3150 as a preparation for FRE 3870, 3880. A French major who shows a deficiency in speaking French shall be required to take one or both terms of FRE 3110, 3120.

Italian (ITA) (B.A.)
33 semester hours, including ITA 3090, 3100; 3550, 3560; 3870, 3880, 4990; and 12 elective hours in advanced Italian courses. Italian majors are urged to study a second foreign language and to take courses in classical civilization among their general electives. An Italian major who, in the judgment of the department, shows a deficiency in Italian grammar shall be required to take ITA 3150 as a preparation for ITA 3870, 3880. An Italian major, who in the judgment of the department, shows a deficiency in speaking Italian shall be required to take one or both terms of ITA 3110, 3120.

Special Note #1 regarding ALL beginning (level 1 and 2) and intermediate (level 3 and 4) language courses:
The department requires a standard co-requisite of ten (10) mandatory sessions at the Global Language and Culture Center per course per semester. GLCC fee required.

Special Note #2 regarding major electives:
Major electives are selected in conjunction with departmental advisors. Advanced language courses that are conducted in English are not applicable to the major sequence. Consult with your departmental advisor for elective choices within the major.

Minor Sequences

Ancient Studies (CLS)
18 semester hours chosen under departmental advisement from courses dealing with Greek and Roman antiquity. No knowledge of Greek or Latin is required.

Classics (CLS)
18 semester hours including six semester hours of Latin above Lat 1020; six semester hours of Ancient Greek and six semester hours in related courses chosen under departmental advisement.

French (FRE)
18 semester hours chosen under departmental advisement in the language.

German (GER)
18 semester hours chosen under departmental advisement in the language.

Greek Modern (GRM)
18 semester hours chosen under departmental advisement in the language.

Italian (ITA)
18 semester hours chosen under departmental advisement in the language.

Italian Studies (ITA)
18 semester hours: ITA 2040, 3110, 3570; ANT/SOC 2480; ART 2730; HIS 3541 or 3542. This minor is not open to ITA majors or minors.

Linguistics (LIN)
15 semester hours: LIN 1010 and four additional Linguistics courses selected in consultation with an advisor. Courses applicable to the Linguistics minor include: LIN 1010, 1020: ANT 1155, CLS 1320, , LAC 1000, SPE 1710, 1720, 1730, PHI 3400, 3420, 3910.

Russian (RUS)
18 semester hours chosen under departmental advisement in the language.

Spanish (SPA)
18 semester hours chosen under departmental advisement in the language.

International Business Concentration for Language Majors
21 Semester hours including: ECO 1301, 1302, IB 3341 and four of the following ECO 3306, MKT 3317, 4318, MGT 4338. No other prerequisites are necessary. Students must first consult with Language Program Coordinator.

English as a Second Language Program (ESL)
The English as a Second Language Program is designed to assist international students and any other students whose first language is not English, in improving their English language skills. The program aims to help these students meet the academic demands of college-level course work. Credit courses are offered at the intermediate and advanced levels. ESL writing courses emphasize writing/reading skills. ESL speech courses emphasize speaking/listening skills. Support services/workshops are also available. Intermediate, advanced and special non-credit writing workshops are offered. The use of the Global Language and Culture Center is an integral part of the program. Advisement, testing and placement services are available through the ESL Office in Languages and Literatures Department, St. John Hall, Room 435.

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

1010 Arabic Level I
This course develops basic communication skills in Arabic. Through a progressive use of the four skills, listening, speaking, reading, and writing, students develop oral and written proficiency at a limited level within the context of Arabic culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 Arabic Level II
Prerequisite: ARA 1010. This course continues to develop basic communication skills in Arabic. Through a progressive use of the four skills, listening, speaking, reading, and writing, students develop oral and written proficiency at a limited level within the context of Arabic culture. GLCC required, fee $50. Credit: 3 semester hours.

2030 Arabic Level III
Prerequisite: ARA 1020. Language Laboratory. This course reviews the basic skills learned in Arabic I and II and continues building the student’s comprehension and speaking abilities through an active exchange of ideas on the part of the students and instructor within the context of the Arab culture. Not open to native speakers except with the permission of the Chair. GLCC required, fee $50. Credit: 3 semester hours.

2040 Arabic Level IV
Prerequisite: ARA 2030. This course reviews the basic skills learned in Arabic I, II, and III and continues building oral and written proficiency with more intensive reading and conversation within the context of Arabic culture. GLCC required, fee $50. Credit: 3 semester hours.

Classics (CLS)
18 semester hours including six semester hours of Latin above Lat 1020; six semester hours of Ancient Greek and six semester hours in related courses chosen under departmental advisement. Course applicable to the above two minors include: CLS 1210, 1240, 1260, 1320, 1420, 1770, 1775, 2600; ART 1790, 1790, 1795; ENG 3500, 3600, 3610; GOV 1250; HIS 2001, HIS 2002, 2005; LIN 2150; PHI 3500; SPE 3130; THE 3130; and appropriate LAT and GRA under departmental advisement.

1210 Classical Mythology
The study of myth, its nature and uses as manifested in the Greek and Western traditions. No knowledge of classical language is required. Credit: 3 semester hours.

1240 Women in the Ancient World
A study of the social, economic and political position of women in ancient Greece and Rome; readings of major literary works with women as their subjects; the view of women as expressed in other contemporary literature; readings from works composed by women. No knowledge of Greek or Latin required. Credit: 3 semester hours.

1260 Ancient Greek and Roman Historians
Readings in selected works of Herodotus, Thucydides, Livy, Sallust and Tacitus; studies in the philosophy of ancient history and the historical method. No knowledge of classical language is required. Credit: 3 semester hours.

1320 Greek and Latin Roots of English
An introduction to the Greek and Latin sources of English words, the principles of word formation and the appropriate usage of vocabulary. No knowledge of Greek or Latin is required. Credit: 3 semester hours.

1420 Ancient Stories in Modern Dress (Mini-Course)
Selected myths and legends of the ancient Greeks and Romans as presented by classical writers and dramatists, and as adapted by modern writers, playwrights, choreographers and composers; in-class viewing of the film versions of the modern adaptations. No knowledge of classical language is required. Credit: 3 semester hours.

ESLW Course Offerings

ESLW 1200 English as a Second Language: Intermediate Level Reading/ Writing
Prerequisite: Intermediate level on-site test scores. This course provides language instruction through reading and writing paragraphs and short essays focusing on development, vocabulary and grammatical skills. Open to non-native speakers of English only. Grading on pass-fail basis only Credit: 3 semester hours.

ESLS 1200 Oral/Aural Communication: Intermediate Level Listening/ Speaking
Prerequisite: Intermediate-level on-site test scores. This course provides instruction in listening comprehension and speaking through training in the sounds of English, intonation patterns and techniques of spontaneous conversation. Credit: 3 semester hours.

ESLW 1300 English as a Second Language: Advanced Level Reading/Writing
Prerequisite: ESLW 1200 or advanced level on-site test scores. This course provides language instruction through a study of complex grammatical structures, writing essays in a variety of rhetorical formats, readings and vocabulary materials through culturally relevant materials. Credit: 3 semester hours.

ESLS 1300 Oral/Aural Communication: Advanced Level Listening/Speaking
Prerequisite: ESLS 1200 or advanced level on-site test scores. Co-requisite: 10 mandatory sessions at the GLCC per course per semester. GLCC fee required. This course provides instruction in listening comprehension and speaking through training in conversational fluency, presentations and error reduction. Credit: 3 semester hours.

Non-Credit Workshops

ESLW 0400 Special Writing
Prerequisite: Permission of the coordinator. Language instruction tailored to the needs of the participants. No credit.

EBS 6200 English for Business Studies
This course provides language instruction in terminology and discourse features of business texts for students to whom English is a second language. Undergraduate-level course for graduate students of The Peter J. Tobin College of Business only. 3 credits toward full time student status only.

French Course Offerings

1000 Intensive French I/II
This course aims to develop basic communication skills in French. Through a progressive use of four skills, listening, speaking reading and writing students develop oral and written proficiency at a limited level within the context of French culture. GLCC required, fee $50. Credit: 6 semester hours.

1010 French, Level I
This course aims to develop basic communication skills in French. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of French culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 French, Level II
Prerequisite: FRE 1010. This course continues to develop basic communication skills in French. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of French culture. GLCC required, fee $50. Credit: 3 semester hours.
<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisite</th>
<th>Credit: 3 semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000 Intensive French II/III</td>
<td>FRE 1020 or 1000. This course aims to develop intermediate to advance communication skills in French. Through a progressive use mainly of listening, and speaking, but also reading and writing, students will develop oral and written proficiency within the context of French and Francophone culture. GLCC required. fee $50.</td>
<td>64 semester hours.</td>
</tr>
<tr>
<td>2030 French, Level III</td>
<td>FRE 1020. This course reviews the basic skills learned in French I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of French culture. GLCC required. fee $50.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>2040 Intermediate French Conversation</td>
<td>This course reviews the basic skills learned in French I, II and III and continues building oral and written proficiency with more intensive reading and conversation within the context of French culture. GLCC required. fee $50.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>2050 Readings in Modern French</td>
<td>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.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>2121 Women Writers in France</td>
<td>A study of the rich and diverse literary works of French women writers from the 12th century to the present, the changing sociohistorical context and their common issues and themes that constitute a female tradition. The course is taught in English and is not part of the sequence for the French major or minor. Course is an elective for the women studies Minor.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3090; 3100 Masterpieces of French Literature I, II</td>
<td>FRE 2040 or 2050 or permission of chairperson. FRE 3100 is a prerequisite for all advanced courses in the language. FRE 3090. Through lectures and direct textual analysis of major works, this course traces the development of French literature from its origins to the Baroque. FRE 3100: This course traces the development of French literature from the Age of Enlightenment through the 20th century.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3110; 3120 Advanced French Conversation</td>
<td>FRE 2040 or 2050 or permission of chairperson. FRE 3100 is a prerequisite for advanced composition courses. This course may not be taken after the successful completion of 3870 or 3880.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3150 Review of French Grammar</td>
<td>FRE 2040 or 2050 or permission of chairperson. Review of grammar for advanced composition courses. This course may not be taken after the successful completion of 3870 or 3880. Credit: 3 semester hours.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3150 (online) Review of French Grammar</td>
<td>FRE 2040 or 2050 or permission of chairperson. This course is a review of the fundamentals of French grammar in preparation for more advanced French courses with a focus on reading and writing. For the intermediate student who has previous knowledge of French or as a remedial course for students who need to strengthen their grammar and writing after a lapse in their course of study. This course may not be taken after the successful completion of 3870 or 3880. Credit: 3 semester hours.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3260 History of French Cinema</td>
<td>FRE 2040 or 2050 or permission of chairperson. This course features the study of the development of French cinema from its beginnings in 1895 through the present day.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3280 20th-Century French Literature Film Media Culture</td>
<td>FRE 2040 or 2050 or permission of chairperson. This course examines a variety of authors, themes, genres and movements in 20th-Century French literature through the reading of texts and visualizing of films and the media.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3300 France’s Role Within the European Community</td>
<td>FRE 2040 or 2050 or permission of chairperson. An overview into the economic, political, technological and social changes in France in the last 10 years that contributed to the shaping of contemporary French culture.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3550; 3560 Civilization of France I; II</td>
<td>The geography, history, arts, science, folklore, politics and customs that have contributed to the shaping of French civilization and culture. Part I covers the geography and economy of France as well as its history and civilization from the origins to 1700. Part II covers French history and civilization from 1700 to the present. This course is conducted in French.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3570 Urban Culture in Contemporary France</td>
<td>FRE 2040 or 2050 or permission of chairperson. An examination of literature, music, and the visual arts documenting the emergence of what is now called “urban culture” in France.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3600 Contemporary France</td>
<td>FRE 2040 or 2050 or permission of chairperson. This course studies all aspects of contemporary French life.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3620: Paris in the French Culture</td>
<td>FRE 2040 or 2050 or permission of chairperson. A study of the development of the city of Paris from its founding up to the present with the emphasis on its contributions to French culture; onsite discussions include urban study history, social history, literature, painting, music and theater.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3670 19th-Century French Literature</td>
<td>FRE 2040 or 2050 or permission of chairperson. An introduction to the principal poets, prose writers and dramatists of the 19th century.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3690 20th-Century French Literature</td>
<td>FRE 2040 or 2050 or permission of chairperson. An introduction to the principal poets, prose writers and dramatists of the 20th century.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3810 Advanced Commercial French</td>
<td>FRE 2040 or 2050 or permission of chairperson. Introduction to the language and practices of today's business world. The acquisition of the rules of commercial correspondence and the understanding and analysis of original commercial documents is emphasized.</td>
<td>3 semester hours.</td>
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<tr>
<td>3820 French Afro-Caribbean Literature</td>
<td>FRE 2040 or 2050 or permission of chairperson. An introduction to the major contemporary writers of the French-speaking Antilles and Black Africa.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3830 French and Francophone Women Writers</td>
<td>FRE 2040 or 2050 or permission of chairperson. A study of the French and francophone women writers from the 12th century to the present. Conducted in French. Course is an elective for the women studies minor.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3870; 3880 Advanced French Grammar and Composition I; II</td>
<td>FRE 2040 or 2050 or permission of chairperson. A thorough study of difficult points of French grammar and syntax with translation of selected passages into idiomatic French and exercises in composition writing and stylistics.</td>
<td>3 semester hours.</td>
</tr>
<tr>
<td>3900 Art and Skills of Advanced Translation</td>
<td>FRE 3870 or 3880 or permission of the chair. Translation is taught from a theoretical as well as practical point of view. Students are expected to translate a wide range of literary and non-literary texts from French into English.</td>
<td>3 semester hours.</td>
</tr>
</tbody>
</table>
4980 International Internship
Prerequisite: 3110-3120 or permission of chairperson. This course provides total immersion experience in a field of interest chosen by the student in a country where the target language is spoken (French, Italian, or Spanish). Credits: 6 semester hours or 3 semester hours.

4953 Independent Study
Prerequisite: FRE 2040 or 2050 or permission of chairperson. Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. Credit: 3 semester hours.

4980, 4990 Capstone
Prerequisite: 2040 or 2050 or permission of the chairperson. Integrative seminar resulting in a capstone project that reflects student knowledge and language proficiency. Credit: 3 semester hours.

German Course Offerings (GER)

1010 German, Level I
This course aims to develop basic communication skills in German. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of German culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 German, Level II
Prerequisite: GER 1010. This course continues to develop basic communications skills in German. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of German culture. GLCC required, fee $50. Credit: 3 semester hours.

2030 German, Level III
Prerequisite: GER 1020. This course reviews the basic skills learned in German I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of German culture. GLCC required, fee $50. Credit: 3 semester hours.

2040 Intermediate German Conversation
Prerequisite: GER 2030. This course reviews the basic skills learned in GER I, II, and III and continues building oral and written proficiency with more intensive reading and conversation within the context of German culture. GLCC required, Fee $50. Credit: 3 semester hours.

4953 Independent Study
Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. Credit: 3 semester hours.

Ancient Greek Classical Course Offerings (GRA)

1010; 1020 Elementary Ancient Greek
Prerequisite: GRA 1010 is a Prerequisite for 1020. An introduction to classical Greek (Attic); a study of Greek grammar, acquisition of a basic vocabulary and practice in translation. Credit: 3 semester hours.

4953; 4954 Independent Study
Prerequisite: Permission of instructor. Individual guided instruction in either Classical Greek grammar or literature. Credit: 3 semester hours.

Greek Modern Course Offerings (GRM)

1010 Modern Greek Level I
This course develops basic communication skills in modern Greek. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Greek culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 Modern Greek Level II
Prerequisite: GRM 1010. This course continues to develop basic communication skills in modern Greek. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Greek culture. GLCC required, fee $50. Credit: 3 semester hours.

2030 Modern Greek Level III
Prerequisite: GRM 1020. This course reviews the basic skills learned in Greek I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Greek culture. GLCC required, fee $50. Credit: 3 semester hours.

4953 Independent Study
Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. Credit: 3 semester hours.

Modern Hebrew (HBR)

1010 Hebrew Level I
This course aims to develop basic communication skills in Hebrew. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Hebrew culture. GLCC required, Fee $50. Credit: 3 semester hours.

1020 Hebrew Level II
Continued development of the Hebrew language designed to develop the linguistic skills necessary for personal, academic and professional life through practice in listening, speaking and reading in Hebrew. GLCC required, fee $50. Credit: 3 semester hours.

Hindi (HIN)

1010 Hindi Level I
This course aims to develop the basic communication skills in Hindi. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency a beginning level within the context of Hindi culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 Hindi Level II
Prerequisite: Hindi 1010. This course continues to develop basic communication skills in Hindi. Through a progressive use of listening, speaking, reading and writing students continue to develop oral and written proficiency within the context of Hindi culture. GLCC required, fee $50. Credit: 3 semester hours.

Italian Course Offerings (ITA)

1000 Intensive Italian I; II
This course aims to develop basic communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Italian culture. GLCC required, fee $50. Credit: 3 semester hours.

1010 Italian, Level I
This course aims to develop basic communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Italian culture. GLCC required, fee $50. Credit: 3 semester hours.

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1020 Italian, Level II
Prerequisite: ITA 1010. This course continues to develop basic communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Italian culture. GLCC required, fee $50. Credit: 3 semester hours.

2000 Intensive Italian III and IV
Prerequisite: Italian 1020 or ITA 1000. The course aims to develop intermediate low to intermediate high communication skills in Italian. Through a progressive use of the four skills, listening, speaking, reading and writing, students will develop oral and written proficiency within the context of Italian culture. GLCC required, fee $50. Credit: 6 semester hours.

2030 Italian, Level III
Prerequisite: Italian 1020. This course reviews the basic skills learned in Italian I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Italian culture. GLCC required, fee $50. Credit: 3 semester hours.

2040 Intermediate Italian Conversation
Prerequisite: ITA 2030. This course reviews the basic skills learned in Italian I, II and III and continues building oral and written proficiency with more intensive reading and conversation within the context of Italian culture. GLCC required, fee $50. Credit: 3 semester hours.

3080 Italian Contemporary Readings
Prerequisite: Italian 2040 or or permission of Chair. Introduces students to contemporary literary texts in Italian. It is designed to improve students' written and oral proficiency in Italian, and to prepare them for subsequent 300 level work in Italian language, literature, and culture. Conducted entirely in Italian. Credit: 3 semester hours.

3090; 3100 Masterpieces of Italian Literature I; II
Prerequisite: ITA 3090 is a prerequisite for ITA 3100. ITA 3090: Through lectures and direct textual analysis of major works, this course traces the development of Italian literature from its origins to the Baroque. ITA 3100: This course traces the development of Italian literature from the Age of Enlightenment through the twentieth century. Credit: 3 semester hours.

3110; 3120 Advanced Italian Conversation
Prerequisite: Italian 2040 or or permission of Chair. Drill and practice in conversational Italian. Topics are selected to meet the requirements of daily life. Not open to native or fluent speakers. Credit: 3 semester hours.

3150 (online) Review of Italian Grammar
Prerequisite: Italian 2040 or permission of the Chair. This course reviews the fundamentals of Italian grammar in preparation for more advanced Italian courses with a focus on reading and writing. For the intermediate student who has previous knowledge of Italian or as a remedial course for students who need to strengthen their grammar and writing after a lapse in their course of study. This course may not be taken after the successful completion of 3870 or 3880. Credit: 3 semester hours.

3260 Italian Cinema, from Neo-Realism to the Present
Prerequisite: Italian 2040 or or permission of Chair. This course focuses on the development of the Italian cinema from World War II to our days. It examines the relationship between the screen and the socio-political and economic structures projected in a literary context. Credit: 3 semester hours. Course is conducted in Italian.

3270 Italian Literature and Cinema
Prerequisite: ITA 2040 or permission of the Chair. Study of the cinematic adaptation of 20th century literary texts, including Brancati, Buzzati, Levi, Moravia, and Camilleri. Credit: 3 semester hours.

3520 Italian Culture through the Internet (online)
Prerequisite 2040 or permission of the chair. This course provides insight into contemporary Italian society and culture. Students read and analyze authentic materials taken from on-line sources such as newspapers, magazines, literary sources and short stories. Credit: 3 semester hours.

3530 Italian Renaissance Art and Literature
Investigation of classical humanism in Italian Literature and Art, with emphasis on the manifestation of Renaissance ideas in the Italian cities of Florence and Rome. The course is taught in English and is not part of the sequence for the Italian major or minor. Maybe used as a general elective. Credit: 3 semester hours.

3540 Southern Italy: A Cultural Journey
Corequisite: ART 2929. This course, which is taught in English and conducted abroad, will expose the student to the variety of cultures that have shaped southern Italy throughout the centuries from the ancient Greeks to modern times, through personal encounters, research, and a Service-Learning experience. The course is taught in English and is not part of the sequence for the Italian major or minor. May be used as a general elective or as an elective in the women's studies minor. Credit: 3 semester hours.

3550; 3560 Civilization of Italy I; II
Prerequisite 2040 or permission of the Chair. The history, geography, art, science, music, literature, folklore, politics, habits and customs that have contributed to the shaping of Italian civilization and culture. Credit: 3 semester hours.

3570 Studies in Italian Culture
A study of the diversified elements comprising the background of the culture and civilization of Italy. Course conducted in English. The course is taught in English and is not part of the sequence for the Italian major or minor. Credit: 3 semester hours. This course is not applicable to the major.

3580 The City of Rome
A study of the city of Rome through its historical periods and its literary and cultural movements. Italy's capital city will be the focal point for broad analyses of the relation of past and present, the classical cultural heritage in Italy, the anti-classical movements of Italian art, architecture, literature and film. Site visits are an integral part of this course. Offered in Rome and taught in English. Credit: 3 semester hours.

3590 Italian Dante and His Times
Prerequisite: Italian 2040 or or permission of Chair. The evolution of Italian lyric poetry from the Scuola Siciliana through the Dolce Stil Nuovo, culminating with a study of Petrarch's Canzoniere. Credit: 3 semester hours.

ITA 3600 Co-requisite MUSIC 1075 Trends in Italian Opera
Survey of the Italian opera and analysis of the historical, cultural and literary trends in Italian opera. Offered in Italian and in English. Credit: 3 semester hours.

ITA 3610 Eros and Medieval Culture in Boccaccio's Decameron.
Prerequisite: Italian 2040 or permission of Chair. This course traces the development of the Italian novella, culminating with a study of Boccaccio's Decameron. Credit: 3 semester hours.

3620 Italian Renaissance Literature
Prerequisite: ITA 2040 or permission of the Chair. Covering the period that spans roughly 1350-1550, this course is an investigation of classical humanism in Italian Literature and Art. Emphasis in this course will be put to the manifestation of Renaissance ideas in the Italian cities of Florence and Rome. Credit: 3 semester hours.

3670 Twentieth Century Italian Literature
Prerequisite: Italian 2040 or permission of Chair. The development of the modern Italian novel seen against its historical and social background. Emphasis is placed on the novels of Svevo, Pirandello, Moravia, Pavese, Vittorini and Calvino. Credit: 3 semester hours.
3690 Italian Poetry of the 19th-Century
Prerequisite: Italian 2040 or permission of Chair. A study of Italian poetry of the 19th-century as reflected in representative poets of the period: Foscolo, Leopardi, Pascoli, Carducci, D’Annunzio. Credit: 3 semester hours.

3700 Italian Novel of the 19th-Century
Prerequisite: Italian 2040 or permission of Chair. This course is designed to introduce students to the main prose writers of the 19th century. Credit: 3 semester hours.

3720 Italian Culture through its Music:
From Opera to Neapolitan rap
Prerequisite: Italian 2040 or permission of Chair. Evolution of Italian culture through music: from the opera to regional folk songs, the canzone napoletana and the birth of musica leggera. Credit: 3 semester hours.

3740 Contemporary Italian Fiction
Prerequisite: Italian 2040 or permission of Chair. A study of contemporary Italian fiction: Sperimentalismo, the Neo-Avant-Garde and Post-Modernism. Selected works are analyzed with respect to structure, techniques, themes and language. Credit: 3 semester hours.

3760 Contemporary Italy
Prerequisite: Italian 2040 or permission of Chair. This course studies all aspects of contemporary life in Italy. Credit: 3 semester hours.

3810 Advanced Italian for Business
Prerequisite: ITA 2040. The language and the practices of Italian business. Credit: 3 semester hours.

3820 La Divina Commedia
Prerequisite: ITA 3090 or 3100 or permission of the chair. Dante’s masterpiece, with particular emphasis on its literary and philosophical significance. Credit: 3 semester hours.

3830 Women Writers in Italy
Italian women writers have played an important role in the cultural and social milieu of Italy from the 12th century to the present. This course will focus on issues that have permeated women’s writings in an everchanging political and social scene. Course is taught in English and is an elective for the women studies minor. Credit: 3 semester hours.

3870; 3880 Italian Advanced Grammar and Composition I/II
Prerequisite: Italian 2040 or permission of Chair. A study of difficult points of Italian grammar and syntax, intensive composition practice and translation of selected passages into idiomatic Italian. Credit: 3 semester hours.

3900 Art and Skills of Advanced Translation
Prerequisite: Advanced working knowledge of Italian and permission of the instructor. This course addresses translation from theoretical and practical points of view. Students are expected to translate a wide range of texts from Italian into English. Credit: 3 semester hours.

4953 Independent Study
Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. Credit: 3 semester hours.

4980 International Internship
Prerequisite: 3110-3120 or permission of chairperson. This course provides total immersion experience in a field of interest chosen by the student in a country where the target language is spoken (French Italian or Spanish). Credits: 6 semester hours or 3 semester hours.

4990 Capstone Seminar
Prerequisite 2040 or 2050 or permission of the chairperson. Integrative seminar resulting in a capstone project that reflects student knowledge and language proficiency. Credit: 3 semester hours.

Latin Course Offerings (LAT)

1010; 1020 Elementary Latin I; II
Prerequisite: LAT 1010 is a Prerequisite for LAT 1020. An introduction to Latin; reading of Latin authors from the beginning of the course, accompanied by a study of the fundamentals of Latin grammar. GLCC required, fee $50. Credit: 3 semester hours.

2030; 2040 Intermediate Latin
Prerequisite: LAT 1020. First Semester: Various prose selections (Nepos, Cicero, etc.) Second Semester: Selections from Vergil. GLCC required, fee $50. Credit: 3 semester hours.

2050 Selections from Medieval Latin
Prerequisite: LAT 2030 or equivalent. The lives and writings of several representative authors of the Middle Ages. A study of the influence of classical writings on medieval literature and the consequent influence of the medieval period on modern culture. Credit: 3 semester hours.

2060 Ecclesiastical Latin
Prerequisite: LAT 2030 or equivalent. A survey of the nature and historical use of Ecclesiastical Latin, with readings drawn from the liturgy, theological works and church documents. Credit: 3 semester hours.

4953; 4954 Independent Study
Individual guided study in Latin of a particular author or authors or of a genre of Latin literature. Credit: 3 semester hours.

Linguistics Course Offerings (LIN)

1010 Introduction to Linguistics
An introduction to the fundamental principles of phonetics, phonology, morphology, syntax and semantics, with examples drawn from classical and modern languages. Credit: 3 semester hours.

1020 Survey of Linguistics
Prerequisite: LIN 1010. An introduction to the various fields of interest that comprise the modern study of linguistics. Credit: 3 semester hours.

1155 Language and Intercultural Communication
Communication as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, intergenerational, gender, deaf subcultures and international settings. Credit: 3 semester hours.

1320 Greek and Latin Roots of English
An introduction to the Greek and Latin sources of English words, the principles of word formation and the appropriate usage of vocabulary. No knowledge of Greek or Latin required. Credit: 3 semester hours.

1810 Introduction to Phonology
An introduction to the study of sound systems found in language and its application to areas such as language acquisition, speech pathology, dialectal variation and historical change. Credit: 3 semester hours.

2150 Introduction to Romance Linguistics
Prerequisite: LIN 1010 or permission of the department. A survey of the evolution of the Romance family of languages and the linguistic properties of each of its members. Credit: 3 semester hours.

Languages and Literatures
Course Offerings (LLT)

1000C French Language and Culture
An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of culture. Specific sections may deal with particular languages as indicated in the course-offering bulletin. Credit: 3 semester hours.

1000C Italian Language and Culture
An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of culture. Specific sections may deal with particular languages as indicated in the course-offering bulletin. Credit: 3 semester hours.

1000C Spanish Language and Culture
An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of culture. Specific sections may deal with particular languages as indicated in the course-offering bulletin. Credit: 3 semester hours.

1000C Linguist Language and Culture
An introduction to the study of the nature, evolution, and diversity of human languages and their relationship to the development of culture. Credit: 3 semester hours.
1000C Indian Language and Culture
An introduction to the linguistic and cultural diversity of India and the Indian Diaspora from the earliest linguistic and cultural evidence of the Indus valley civilization and Vedic Sanskrit to the Development of the modern Indian languages and the language of the gypsies, Indians in the new world, and East Asia. Credit: 3 semester hours.

4980 French International Internship
Prerequisite: Permission of Chair. Total immersion experience in a field of interest chosen by the student in a country in which the target language is spoken. Credit: 3 semester hours.

4980 Italian International Internship
Prerequisite: Permission of Chair. Total immersion experience in a field of interest chosen by the student in a country in which the target language is spoken. Credit: 3 semester hours.

4980 Spanish International Internship
Prerequisite: Permission of Chair. Total immersion experience in a field of interest chosen by the student in a country in which the target language is spoken. Credit: 3 semester hours.

Portuguese (POR)
1010 Portuguese, Level I
This course aims to develop basic communication skills in Portuguese. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Portuguese culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 Portuguese, Level II
Prerequisite: POR 1010. This course continues to develop basic communication skills in Portuguese. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Portuguese culture. GLCC required, fee $50. Credit: 3 semester hours.

Russian Course Offerings (RUS)
1010 Russian, Level I
This course aims to develop basic communication skills in Russian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Russian culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 Russian Level II
Prerequisite: RUS 1010. This course continues to develop basic communication skills in Russian. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Russian culture. GLCC required, fee $50. Credit: 3 semester hours.

2030 Russian, Level III
Prerequisite: RUS 1020. This course reviews the basic skills learned in Russian I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Russian culture. GLCC required, fee $50. Credit: 3 semester hours.

2040 Intermediate Russian Conversation
Prerequisite: RUS 2030. This course reviews the basic skills learned in Russian I, II and III and continues building oral proficiency with more intensive conversation within the context of Russian culture. GLCC required, fee $50. Credit: 3 semester hours.

Spanish Course Offerings (SPA)
1010 Spanish, Level I
This course develops basic communication skills in Spanish. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Spanish culture. GLCC required, fee $50. Credit: 3 semester hours.

1020 Spanish, Level II
Prerequisite: 1010. This course continues to develop basic communication skills in Spanish. Through a progressive use of the four skills, listening, speaking, reading and writing, students develop oral and written proficiency at a limited level within the context of Spanish culture. GLCC required, fee $50. Credit: 3 semester hours.

1030 Spanish, Level III
Prerequisite: 1020. This course reviews the basic skills learned in Spanish I and II and continues building oral and written proficiency with more intensive reading and conversation within the context of Spanish culture. GLCC required, fee $50. Credit: 3 semester hours.

2040 Intermediate Spanish Conversation
Prerequisite: SPA 2030. This course reviews the basic skills learned in Spanish I, II and III and continues building oral proficiency with more intensive conversation within the context of Hispanic culture. GLCC required, fee $50. Credit: 3 semester hours.

2050 Readings in Modern Spanish
Prerequisite: 2030 or 2040. This course is structured to meet the needs and abilities of nonlanguage majors. Discussion in the foreign language. GLCC required, fee $50. Credit: 3 semester hours.

3090; 3100 Masterpieces of Hispanic Literature I; II
Prerequisite for non-majors: 2040 or 2050 or permission of the Chair. SPA 3090 is a prerequisite for 3100.

SPA 3090: Through lectures and textual analysis, this course traces the development of Spanish literature from its origins through the 20th century. SPA 3100: Through lectures and textual analysis, this course traces the development of Spanish-American literature from the 16th through the 20th century. Credit: 3 semester hours. Note: SPA 3100 is a prerequisite for all advanced SPA courses.

3110; 3120 Advanced Spanish Conversation
Prerequisite: 2040 or 2050 or permission of the Chair. Conversation based on everyday topics and on readings taken from a wide range of literary and non-literary materials. Not open to native or fluent speakers. Credit: 3 semester hours.

2150 Spanish for Law-Related Careers
Prerequisite: 2040 or permission of instructor. A study of grammatical structures and specialized vocabulary to enable law-oriented students to communicate with Spanish speakers in legal matters. Not applicable to the major sequence. Credit: 3 semester hours.

2350 Spanish for Bilingual Hispanics
Prerequisite: 2040 or 2050 or permission of the Chair. A study of correct written and spoken Spanish for Bilingual Hispanics. Credit: 3 semester hours.

2360 Review of Spanish Grammar
Prerequisite: 2040 or 2050 or permission of the chair. A thorough review of Spanish grammar intended as preparation for more advanced composition courses. Course conducted in Spanish. Credit: 3 semester hours.

3450 Spain’s Feminist Tradition through Literature
Prerequisite: 2040 or 2050 or permission of the Chair. How women writers and thinkers of the 19th and 20th centuries negotiated their position in the public spheres of creative and intellectual pursuits. This course may not be taken after the successful completion of 3870, 3880 or 3390. Credit: 3 semester hours.

3550 Civilization of Spain
Prerequisite: 2040 or 2050 or permission of the Chair. The history, geography, art, science, music, literature, folklore, politics, habits and customs that have contributed to the shaping of Spanish civilization and culture. Credit: 3 semester hours.

3560 Civilization of Spanish America
Prerequisite: 2040 or 2050 or permission of the Chair. This multidisciplinary course features
the history, geography, art, science, music, literature, folklore, politics, manners and customs which have contributed to the molding of Spanish-American civilization and culture. Credit: 3 semester hours.

3570 Medieval Spanish Literature
Prerequisite: 2040 or 2050 or permission of the Chair. A survey of Spanish medieval literature from the Poema de Mio Cid up to La Celestina. Reading and discussion of important literary figures and their works. Credit: 3 semester hours.

3580 Works of Cervantes I
Prerequisite: 2040 or 2050 or permission of the Chair. An in-depth study of Don Quijote. Credit: 3 semester hours.

3590 Works of Cervantes II
Prerequisite: 2040 or 2050 or permission of the Chair. An in-depth study of the life and works of this author, including some chapters of Don Quijote, stressing the literary, religious, and social ideas of Miguel de Cervantes. Credit: 3 semester hours.

3600 Contemporary Spain
Prerequisite: 2040 or 2050 or permission of the Chair. A study of all aspects of contemporary Spanish life. Credit: 3 semester hours.

3610; 3620 Spanish Golden Age Literature I; II
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the major literary genres and the principal writers and works of the period. Credit: 3 semester hours.

3640 19th-Century Spanish Literature
Prerequisite: 2040 or 2050 or permission of the Chair. This course studies Romanticism, Realism and Naturalism in Spain through readings and discussions of the most important writers of this period. Credit: 3 semester hours.

3690 Contemporary Spanish America
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the place of Spanish America in modern art and science, letters, architecture and music, and of the political, social and economic problems confronting the Spanish American countries in our times, with a reflection on the past. Credit: 3 semester hours.

3700 The Spanish-American Novel
Prerequisite: 2040 or 2050 or permission of the Chair. An analysis of the development and significance of the Spanish-American novel. Emphasis on contemporary novelists. Credit: 3 semester hours.

3710 The Essay in Spanish-American Literature
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the origin and development of the essay in Spanish-American literature. Credit: 3 semester hours.

3730 Spanish American Short Story
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the development of the short story in Spanish America from the colonial period to the twentieth century. Credit: 3 semester hours.

3770 Literature of Spain from the Generation of 1898 to the Civil War
Prerequisite: 2040 or 2050 or permission of the Chair. A study of prominent writers of the first third of the 20th century. Credit: 3 semester hours.

3780 Spanish Literature After the Civil War
Prerequisite: 2040 or 2050 or permission of the Chair. A study of Spanish novels and short stories, with emphasis on the stylistic changes brought about by the Civil War and its aftermath. Credit: 3 semester hours.

3810 Advanced Spanish for Business
Prerequisite: 2040 or 2050 or permission of the Chair. The course covers language, practices and everyday situations in Spanish business world including basic business communications, organization, economics, employment and social interactions. Credit: 3 semester hours.

3840 Contemporary Hispanic Theater
Prerequisite: 2040 or 2050 or permission of the Chair. An study of the most representative plays of the contemporary Spanish theatre. Credit: 3 semester hours.

3870 Advanced Spanish Grammar and Composition I
Prerequisite: 2040 or 2050 or permission of the Chair. A study of difficult points of Spanish grammar and syntax with translation of selected passages into idiomatic Spanish. Credit: 3 semester hours.

3880 Advanced Spanish Grammar and Composition II
Prerequisite: 2040 or 2050 or permission of the Chair. A study of difficult points of Spanish grammar and syntax with translation of selected passages into idiomatic Spanish. Credit: 3 semester hours.

3900 Art and Skills of Advanced Translation
Prerequisites: Working knowledge of SPA and permission of the instructor. This course addresses translation from theoretical and practical points of view. Students are expected to translate a wide range of texts from Spanish to English. Credit: 3 semester hours.

4770 Spanish Literature of the 19th Century
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the literary movements of the 19th century in their cultural and historical perspectives. Credit: 3 semester hours.

4775 Spanish Short Story
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the development of the modern short story in peninsular Spanish literature. Credit: 3 semester hours.

4781 Modern Spanish Poetry
Prerequisite: 2040 or 2050 or permission of the Chair. A study of the trajectory of Spanish poetry from the romantics to the “Novisimos”. Credit: 3 semester hours.

4953 Independent Study
Prerequisite: 2040 or 2050 or permission of the Chair. Guided undergraduate student research arranged on an individual basis. Permission of the chair and the language area coordinator required. Credit: 3 semester hours.

4980 International Internship
Prerequisite: 3110-3120 or permission of the Chair. This course provides total immersion experience in a field of interest chosen by the student in a country where the target language is spoken (French Italian or Spanish). Credits 3 or 6 semester hours.

4990 Capstone Seminar
Prerequisite: 2040 or 2050 or permission of the chairperson. Integrative seminar resulting in a capstone project that reflects student knowledge and language proficiency. Credit: 3 semester hours.

Mathematics (MTH)/
Computer Science (CSC)

Major Sequences

Mathematics (MTH)

B.A.
40 semester hours including: CSC 1390; MTH 1730, 1740, 2750, 2760, 2700, 2790, 3770, 3780, 4830, 3840, 4990. In addition, MTH majors on the Queens campus take PHY 1930; 1940. MTH majors on the Staten Island campus take PHY 1440; 1450.

B.S.
55 semester hours including: CSC 1390; MTH 1730, 1740, 2750, 2760, 2700, 3770, 3780, 2790, 3840, 2800, 3810, 4830, 4990 and nine elective credits in MTH. In addition, MTH majors on the Queens campus take PHY 1930; 1940. Majors on the Staten Island campus take PHY 1440; 1450.

Computer Science (CSC)

(Offered on Staten Island campus only.)
B.S. 30 semester hours in CSC and 14 semester hours in MTH including: CSC 1400, 1410, 2420, 2450, 2470, 2480, 4990, and nine elective credits in computer science. All CSC majors must take MTH 1050, 1730, 1740, 2540 and PHY 1440.

Minor Sequences

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

Computer Science
(offered on Staten Island only): 21 semester hours: CSC 1400, 1410 and five courses from among CSC 2370, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, MTH 2540.

Information Science
18 semester hours: CSC 1020, [1400 or 1350], 2490 and nine elective credits chosen from CSC 1410, 1470, 2450, 2480, 2640.

Mathematics Course Offerings (MTH)

0290 Introduction to College Mathematics
Emphasis is placed on reinforcing basic arithmetic skills and the essential elements of algebra necessary to undertake any college level mathematics courses. Course does not satisfy St. John’s University Core Curriculum requirement. Course does not apply to major or minor sequences. Credit: 3 semester hours.

1000C Mathematics for Liberal Arts
This course provides a qualitative approach to an understanding and interpretation of mathematics in the contemporary liberal arts. Topics to be discussed are selected from among those which have relevant application in the liberal arts. Credit: 3 semester hours.

1020 Applied Statistics I
Prerequisite: High school algebra. An introduction to general statistical methods for all disciplines. Credit: 4 semester hours.

1040 Mathematical Models for Decision Making
Prerequisite: Three years of high school mathematics. This course is intended to provide a foundation for practical decision making. Topics selected from finite mathematics, graph theory, probability, Markov chains, theory of voting, game theory. Particularly useful for students in the social sciences. Credit: 3 semester hours.

1050 College Algebra and Trigonometry
Review of elementary algebra; functions and graphs; sets of linear equations, introduction to exponential and logarithmic functions; trigonometry. For chemistry, mathematics, physics majors and pre-engineering students who have not attained satisfactory grades in advanced algebra and trigonometry in high school. Corequisite: Math A/T Recitation Credit: 3 semester hours.

1125 Applied Statistics II: Multivariate Analysis
Prerequisite: MTH 1020. A continuation of the study of general statistical methods including factor analysis, multiple and curvilinear regression and analysis of covariance. Credit: 4 semester hours.

1210 Bio-Statistics
Probability and statistics with applications to the natural sciences. Open to biology, environmental studies majors and pre-med students only. Credit: 4 semester hours.

1220 Calculus with Biological Applications
Elementary calculus with applications whenever possible to the natural sciences. Open to biology, environmental studies majors and pre-med students only. Credit: 4 semester hours.

1250 Statistical Applications for Pharmacy and Allied Health
An introduction to the applications of probability and statistics to the pharmaceutical and allied health professions. Open to College of Pharmacy and Allied Health Professions students only. Credit: 3 semester hours.

1260 Calculus Applications for Pharmacy and Allied Health
An introduction to differential and integral calculus for the pharmaceutical and allied health professions. Open to College of Pharmacy and Allied Health Professions students only. Credit: 3 semester hours.

1300 College Algebra with Business Applications
Algebraic concepts and techniques as applied to economics and other business mathematics with an emphasis on “real world” computations. Open to The Peter J. Tobin College of Business students only. Course does not satisfy St. John’s University Core Curriculum requirements. Credit: 3 semester hours.

1310 Pre-Calculus with Business Applications
Review of algebra; linear, quadratic and other functions with applications to economics and business. Open to The Peter J. Tobin College of Business and St. John’s College of Liberal Arts and Sciences students only. Credit: 3 semester hours.

1320 Calculus with Business Applications
Prerequisite: MTH 1310. Introduction to calculus. Differentiation and integration of algebraic, exponential, and logarithmic functions of a single variable; introduction to functions of several variables; business and economics applications are stressed throughout. Open to The Peter J. Tobin College of Business and St. John’s College of Liberal Arts and Sciences students only. Credit: 3 semester hours.

1530; 1540 Fundamentals of Mathematics I; II
Prerequisite: MTH 1530 is a prerequisite for MTH 1540. The real number system and its subsystems; modular arithmetic; basic algebraic structures; experimental and informal geometry; measurement; logic, elementary probabilistic and statistical ideas and methods. Open to Education majors only. Credit: 3 semester hours.

1570; 1580 Survey of Mathematics I; II
Prerequisite: MTH 1570 is a prerequisite for MTH 1580. A general survey of elementary and modern mathematics. Topics are chosen with a view towards a variety of applications, logical paradoxes and mathematical games. The purpose is to provide a varied, useful and interesting background in mathematics. For Secondary Education minors only. Not applicable to major or minor sequences. Credit: 3 semester hours.

1730 University Calculus I
Prerequisite: Satisfactory grades in Trigonometry and Advanced Algebra or MTH 1050. Analytic geometry; functions; limits; differentiation of algebraic and transcendental functions; antiderivatives; For mathematics, pre-engineering, chemistry, and physics majors only. Credit: 4 semester hours.

1740 University Calculus II

2110 Applied Probability for Actuarial Science
The use of probability in a risk management setting. The fundamental axioms of probability and the standard probability distributions, as they are used in the applied field of risk management. Open to mathematics and actuarial science majors. Credit: 4 semester hours.

2390 Introduction to Operations Research
Scientific approaches to decision making involving the operations of organizational systems. Topics include integer programming, probability, stochastic processes, game theory, networks. Open to The Peter J. Tobin College of Business students only. Credit: 3 semester hours. (SI)

2540 Computer Mathematics
Mathematical concepts used in designing and analyzing algorithms. Topics may include permutations and combinations, mathematical induction, discrete probability, propositional logic and applications to number systems, summation, limits, vectors and matrices. Credit: 3 semester hours. (SI)

2560 Topics in Mathematics
Elementary number theory; real number system and sub-system; transformations and functions, isometries and symmetry groups. Open to Education majors only. Credit: 3 semester hours.

2700 Introduction to Mathematical Thinking
Prerequisite: MTH 1740. An introduction to the tools of mathematics. How to read and write mathematics; construct examples and counterexamples; elementary mathematical logic; methods of proof. Students will be required to give presentations. Credit: 3 semester hours.
2750 University Calculus III
Prerequisite: MTH 1740. Matrices and vectors; vector functions and their derivatives; partial differentiation; multiple integrals. Credit: 4 semester hours.

2760 University Calculus IV
Prerequisite: MTH 2750. Multiple integrals and their applications: Green’s Theorem, Stokes’ Theorem, sequences and series. Credit: 4 semester hours.

2790 Introduction to Linear Algebra
Prerequisites: MTH 1740, 2700. Vectors and vector spaces; linear transformations and matrices; characteristic values and characteristic vectors of linear transformations; similarity of matrices. Credit: 3 semester hours.

2800 Introduction to Modern Algebra
Prerequisites: MTH 2740, 2700. Elementary theory of groups, rings, integral domains and fields. Credit: 3 semester hours.

3380 Discrete Mathematics
The application of mathematics to discrete rather than continuous models. Credit: 3 semester hours.

3770 Advanced Calculus I
Prerequisites: MTH 2760, 2700. Corequisite: Advanced Calculus I Recitation. Topology of the real line. Limits, continuity, differentiation of functions of one variable. Integration theory. All from a theoretical point of view. Credit: 3 semester hours.

3780 Advanced Calculus II
Prerequisite: MTH 3770; Corequisite: Advanced Calculus II Recitation. Limits, continuity, differentiability for functions of several variables. Implicit Function Theorem. Series of functions. All from a theoretical point of view. Credit: 3 semester hours.

3810 Mathematical Theory of Probability and Statistics I
Prerequisite: MTH 2760. Introduction to probability; sample spaces, random variables, Probability Distributions. Credit: 3 semester hours.

3820 Mathematical Theory of Probability and Statistics II
Prerequisite: MTH 3810. Sampling distributions, parametric estimation and hypothesis testing; correlation and regression; special topics. Credit: 3 semester hours.

3840 Ordinary Differential Equations
Prerequisite: MTH 2760. First order equations, existence and uniqueness, Picard iteration, numerical methods. Linear algebra of linear systems and their solutions. Models, phase plane, nonlinear systems, stability. Credit: 3 semester hours.

3850 Partial Differential Equations
Prerequisite: MTH 3840. Discussion of first order equations; derivation and classification of second order equations; solution techniques of boundary value and initial value problems; applications. Credit: 3 semester hours.

3860 Numerical Analysis I
Prerequisite: MTH 2760. Errors; methods of interpolation, numerical solution of algebraic, transcendental and differential equations. Credit: 3 semester hours.

3870 Numerical Analysis II
Prerequisite: MTH 3860. Least Squares approximations, smoothing formulas, numerical solutions. Methods of solutions via computer software packages. Credit: 3 semester hours.

3970 Topics in Applied Mathematics
Prerequisite: Consent of instructor. Topics selected from areas such as mathematical physics, integral equations, Fourier analysis. Credit: 3 semester hours.

4830 Complex Variables
Prerequisite: MTH 3780. Analytic functions, power series, complex integration and Cauchy’s Theorem, application of Cauchy’s Theorem; Laurent Series and the Residue Theorem, evaluation of real integrals. Credit: 3 semester hours.

4903 Internship in Mathematics
Restricted registration. Fieldwork (eight hours per week) where students are afforded the opportunity of working in the professional field of mathematics, practice under the supervision and counseling of a faculty member. Credit: 3 semester hours.

4906 Internship in Mathematics
Restricted registration. Fieldwork (16 hours per week). See MTH 4970. Credit: 6 semester hours.

4910 Introduction to Set-Theoretic Topology
Prerequisite: MTH 3780. Basic topological concepts; continuous mappings; connectedness and compactness; metric spaces. Credit: 3 semester hours.

4920 Elementary Number Theory
Prerequisite: MTH 3780. Theory of Congruences; Diophantine equations; quadratic residues; properties of number theoretic functions. Credit: 3 semester hours.

4930 Functions of a Real Variable
Prerequisite: MTH 3780. Measure theory, integration, and selected topics in real analysis. Credit: 3 semester hours.

4940 Foundations of Mathematics
Prerequisite: MTH 2800. Sets of axioms and their properties, algebraic, geometric and numerical structures and their properties, Intuitionism, Formalism. Credit: 3 semester hours.

4950 Concepts of Geometry
Prerequisite: Consent of instructor. Axiomatic systems, projective, affine, Euclidean and non-Euclidean geometries. For mathematics or education majors with department approval. Credit: 3 semester hours.

4953 Independent Study
Prerequisite: MTH 3780 or consent of instructor. Guided research and reading on an individual basis. Students must submit to the Chair of the department for approval, prior to registration, an outline of subject areas to be researched or read, as well as written acceptance of a faculty member of their choice. For senior mathematics majors with departmental approval. Credit: 1 to 3 semester hours.

4960 Theory of Probability
Fundamentals of probability theory with emphasis on finite sample spaces. Combinatorics, random variables, distributions, limit theorems, introduction to stochastic processes. Credit: 3 semester hours.

4990 Senior Seminar
Consent of instructor. Topics in current mathematics emphasizing the unification of the student’s previous coursework. Term project. Credit: 3 semester hours.

Computer Science Course Offerings (CSC)

1000 Introduction to Computing for the Liberal Arts
Computers for the non-specialist with an emphasis on microcomputers. Hardware and software principles; elementary programming in a current language; computer applications involving word processing, spreadsheets, database; personal and social impact of computers. Not applicable to the CSC major sequence. Credit: 3 semester hours.

1010; 1015 Computer Programming with Applications I; II
Prerequisite: CSC 1010 is a prerequisite for CSC 1015. Basic computer concepts. Programming of numeric and nonnumeric problems, computer application in various disciplines. Credit: 3 semester hours.

1020 Principles of Computer Science
Prerequisite: CSC 1000 or permission of instructor. The study of selected software packages to explore the capabilities of computer systems. Advanced Windows programs, database management systems, network and Internet software and elementary programming. Credit: 3 semester hours. (SI)

1350 Commercial Computing
Prerequisite: CSC 1020. Applications of computer techniques to problems from business. The COBOL programming language; sorting, credit card billing, information retrieval, linear programming, inventory control, and queuing, sequential files, sorting and merging, table processing. Credit: 3 semester hours. (SI)
1390 Computer Programming with Calculus Application
Prerequisite: MTH 1730. Corequisite: MTH 1740. Development of basic programming skills with an emphasis on calculus-related algorithms. Introduction to numerical analysis. Credit: 3 semester hours.

1400 Computer Science I
Prerequisites: CSC 1010 or 1390 and MTH 1740. Fundamentals of computing; Von Neumann architecture; program design, testing, correctness; object-oriented programming using the C++ programming language; program efficiency. Laboratory, 1 hour. Credit: 3 semester hours.

1410 Computer Science II
Prerequisite: CSC 1400. Object-oriented programming, problem correctness, algorithm analysis developed further; introduction to data structures-linked lists, stacks, queues, trees and graphs; overview of operating systems, distributed computing and databases. Laboratory, 1 hour. Credit: 3 semester hours.

1470 Advanced Programming
Prerequisite: CSC 1410. Design and implementation of large-scale systems. Documentation, testing and debugging techniques. Top-down structured programming and object-oriented programming and design. Credit: 3 semester hours. (SI)

2370 Data Communications
Prerequisite: MTH 1740. Overview of data communications, networking, communications architecture and standards, data transmission, data encoding; digital data communications techniques; data link control; networking techniques; packet switching; protocols and architecture; and selected topics. Credit: 3 semester hours.

2420 Logical Design and Computer Architecture
Prerequisite: CSC 1410. Number systems and codes; number representation and arithmetic. Basic logic design; combinational and sequential circuits; Boolean algebra; minimization techniques for completely and incompletely specified problems; introduction to computer architecture. Credit: 3 semester hours.

2430 Computer Organization
Prerequisite: CSC 1410. Machine and assembly languages; discussion of systems programs, including compilers, assemblers, loaders, editors and interpreters. Credit: 3 semester hours.

2440 Compiler Design
Prerequisite: CSC 2430. Compiler construction; symbol tables, lexical scanning, syntax analysis, memory allocation, object code generation, optimization techniques and interpreters. Credit: 3 semester hours.

2450 Programming Languages
Prerequisite: CSC 1410. Formal concepts and structures of programming languages with practice in different types of languages. Credit: 3 semester hours.

2460 Simulation
Prerequisite: CSC 1410. Generation of random numbers and variates; deterministic and probabilistic models; computer modeling and simulation systems with applications in selected areas. Credit: 3 semester hours.

2470 Operating Systems
Prerequisite: CSC 1410. Aspects of operating systems; memory managements and resource allocation, virtual memory, paging and segmentation, multiprogramming, scheduling, interrupt handling, thrashing, deadlock detection and prevention, and cache memory. Credit: 3 semester hours.

2480 Algorithms and Data Structures
Prerequisite: CSC 1410. Data and its representation; advanced treatment of the properties, applications and implementation of linear and non-linear linked links, strings, arrays, stacks, queues, trees, graphs, algorithms for sorting, searching and hashing. Applications. Credit: 3 semester hours.

2490 Databases
Prerequisite: CSC 2480. Relational, hierarchical and network database systems; file organization and access techniques; query and update languages; data security and integrity. Credit: 3 semester hours.

2500 Data Security and Cryptography
Prerequisite: CSC 1400. Methods for maintaining security and integrity of computer data; mathematical treatment of contemporary topics in cryptography; overview and selected topics in data security. Credit: 3 semester hours.

2640 Networking I–TCP/IP
Prerequisite: CSC 1020. An introduction to the TCP/IP protocols and the principles of networking. Topics include: ARP, RARP protocols; the IP addressing scheme; routing in networks; the UDP, TCP, ICMP protocols; subnet and supernet addressing extensions: internet multicasting; client-server model: TCP/IP over ATM; the Domain Name Service; applications such as FTP, SMTP, SNMP. Credit: 3 semester hours. (SI)

2720 Computability and Automata
Prerequisite: CSC 2450. Propositional logic, graphs and digraphs, alphabets, languages, deterministic and nondeterministic finite automata, regular expressions, language acceptors, grammars, Turing machines and computability. Credit: 3 semester hours. (SI)

4903 Internship in Computer Science
Restricted registration. Fieldwork (eight hours per week) where students are afforded the opportunity of working in the computer industry under the supervision and counseling of a faculty member. Credit: 3 semester hours. (SI)

4906 Internship in Computer Science
Restricted registration. Fieldwork (16 hours per week). See CSC 4903. Credit: 6 semester hours. (SI)

4990 Seminar in Computer Science
Restricted registration. Reading, discussion, and investigation of special topics in computer science. Credit: 3 or 4 semester hours. (SI)

Philosophy (PHI)

Major Sequence
36 semester hours including: PHI 1000C, 2200C, 3000C, 3400, 4900, three of the following four (3500, 3510, 3520, 3530), plus four electives chosen from any other PHI course offerings except PHI 2220C and PHI 2240C.

Minor Sequences

Philosophy
18 semester hours including: PHI 1000C, 2200C, 3000C; and three electives chosen from any PHI course offering except PHI 2220 and 2240.

Philosophy of Science
18 semester hours including: PHI 1000C, 2200C, 3000C, 3800; and two of the following: PHI 2320, 3810, 3820, 3720.

Philosophy of Law
21 semester hours including: PHI 1000C, 2200, 3000C, 3400, 3650; and two of the following: PHI 3420, 3540, 3660, 3680, 3740, and CLS 2600.

Philosophy Course Offerings (PHI)

Core Philosophy Courses

1000C Philosophy of the Human Person
An investigation of the general question “What does it mean to be a human person?” Special emphasis on the nature of human freedom, consciousness and cognition, and the origin and significance of life. Central to the course will be a discussion of the spirituality, immortality and dignity of the human person. The course begins with an introduction to philosophy and to critical thinking. Credit: 3 semester hours.

2200C Ethics
Prerequisite: PHI 1000C. Human happiness and the essential means of achieving it; universal and objective morality vs. relativism and subjectivism; principles used in formulating a rational moral judgment; the functions of law and the conscience; prudence and the moral virtues as the heart of the moral life. Credit: 3 semester hours.
2220C Ethics and Business  
**Prerequisite:** PHI 1000C. The development of the general principles of the moral life in regard to happiness and the means to attain happiness. The objective moral principles which impact on one's life in its various dimensions: personal, familial, social and political. Special emphasis is placed on the application of ethical principles to accounting, economics, finance, management, and marketing. **Open to The Peter J. Tobin College of Business students only.** **Credit:** 3 semester hours.

2240C Ethics and Health Care  
**Prerequisite:** PHI 1000C. A discussion of the nature of human happiness and the development of moral principles and their impact on one's life in its various dimensions: personal, familial, social, political and professional. The application of these principles to ethical issues as they arise in medical practice and the practice of pharmacy. **Credit:** 3 semester hours.

3000C Metaphysics  
**Prerequisite:** PHI 1000C. An introductory course which attempts to articulate ultimate principles of knowing and being. Central questions to be considered are: Is there evidence of God's existence and correspondingly, is there a solution to the problem of evil? Does human cognition permit of ultimate foundations? Is nature teleological and if so can it serve as an objective standard of value? The course also considers traditional metaphysical aspirations in the context of contemporary challenges from the physical and social sciences. **Credit:** 3 semester hours.

**Major and Elective Philosophy Courses**

3320 Science and Religion: A Philosophical Analysis  
**Prerequisites:** PHI 1000C and three credits in the physical/biological sciences. A study of the relation between science and religion through an examination of the criteria for determining the optimal interrelation, their historical interactions and current debates concerning their interconnection. **Credit:** 3 semester hours.

3330 Introduction to Feminist Philosophy  
**Prerequisite:** PHI 1000C. A general introduction to both the past history as well as current concerns of feminist theory. The readings for the course will cover classic feminist texts (Wollstonecraft, Mill, Engels) as well as contemporary feminist thinkers, covering questions about the experiences of women in the treatment of methodology, metaphysics, theory of knowledge, philosophy of science, and philosophy of mind. **Credit:** 3 semester hours.

3400 Introduction to Logic  
A study of the elementary and advanced forms of deductive argumentation in both traditional logic and the modern logic of propositions. **Credit:** 3 semester hours.

3420 Informal Logic  
Application of principles of logic to law, politics, arts, science, advertising, ethics and media. Special emphasis on developing skill of detecting informal fallacy. **Credit:** 3 semester hours.

3500 History of Ancient Philosophy  
A survey of ancient Greek philosophy from its origin up to the 4th century A.D. Emphasis is on pre-Socratic period, Plato, Aristotle, Scepticism, Epicureanism, Stoicism and neo-Platonism. **Credit:** 3 semester hours.

3510 History of Medieval Philosophy  
A survey of the development of medieval philosophy with special emphasis on the principal philosophers: St. Augustine, St. Anselm, St. Bonaventure, St. Thomas Aquinas, John Duns Scotus and William of Ockham. **Credit:** 3 semester hours.

3520 History of Modern Philosophy  
**Prerequisite:** PHI 3000C or permission of instructor. An examination of the central epistemological and metaphysical issues of modern philosophy. **Credit:** 3 semester hours.

3530 History of Contemporary Philosophy  
**Prerequisite:** PHI 3000C or permission of instructor. The development of modern contemporary philosophical thought from Hegel to the present. The fundamental views of such 20th century thinkers as Heidegger, Sartre, Husserl, Russell, Moore, Ayer, Popper, Gilson, Maritain, Wittgenstein and Rorty are introduced. Various philosophic methods and models are analyzed. **Credit:** 3 semester hours.

3540 American Philosophy  
**Prerequisite:** PHI 3000C. The classic expressions of the American Pragmatic movement in the writings of C.S. Peirce, William James, and John Dewey are presented with reference to cultural context and subsequent developments. (e.g. Founding Fathers, Emerson, Thoreau, Henry James, Martin Luther King, Jr., Richard Rorty). **Credit:** 3 semester hours.

3550 Existentialism  
**Prerequisite:** PHI 3000C. A general survey of the history and the main themes of the Existentialist movement; an analysis of relevant texts by major existentialist philosophers and an attempt at constructing an existentialist philosophy of person. **Credit:** 3 semester hours.

3570 Personalism  
**Prerequisite:** PHI 2200C. 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 in depth discussion of love, fidelity, promises, vows and the possibility of a life commitment. **Credit:** 3 semester hours.

3600 Problem of God  
**Prerequisite:** PHI 3000C. The background, beginning with the 17th century, of present day opinion concerning the existence of God; the nature of a realistic philosophy of God; the examination of proofs of God’s existence; a study of influential atheists and a presentation of a contemporary philosophy of God. **Credit:** 3 semester hours.

3610 Philosophy of Religion  
**Prerequisite:** PHI 3000C. This course compares and contrasts the metaphysical foundations of religion as they are found in perennial, modern, and contemporary philosophies. **Credit:** 3 semester hours.

3630 Epistemology  
**Prerequisite:** PHI 1000C. An examination of the fundamental nature of human knowledge—its mode of existence, sources and validity. Classical, modern and contemporary approaches to knowledge are addressed. **Credit:** 3 semester hours.

3640 Aesthetics  
**Prerequisite:** PHI 1000C. A philosophical investigation into the meaning of the transcendental beauty. The nature, principles and end of artistic work as it relates to society, as well as the role of artist and aesthetic. **Credit:** 3 semester hours.

3650 Philosophy of Law  
**Prerequisite:** PHI 2200C. A critical examination of the central issues in contemporary legal philosophy. Major themes include: the nature of legal reasoning; the relationship of law and morality; the recent development of legal hermeneutics, and the justification of punishment. A central concern of the course is to understand how legal institutions evolve, an evolution which is both faithful and yet progressively responsive to Constitutional ideals. **Credit:** 3 semester hours.

3660 Political Philosophy  
**Prerequisite:** PHI 2200C. An investigation of the standards and procedures for political legitimation, including an analysis of the following: the common good of the political community, the greatest good for the greatest number, the promotion of virtue, and agreement resulting from a social contract or ideal discourse. Special attention is given to an examination of the nature, function, and justification of "rights." **Credit:** 3 semester hours.

3670 Modernity in Crisis  
**Prerequisite:** PHI 2200C. In a world described as postmodern, a world increasingly marked by violence and irrationality, the traditional philosophical search for meaning and ethical value, and the ideas of truth and rationality have been called into question. This course examines the response to this crisis by recent Continental thought. **Credit:** 3 semester hours.
3820 Philosophical Issues in Biology
Prerequisites: PHI 3000C, and three credits in the physical/biological sciences. An issues-oriented investigation of the methods and results of the science of biology. Among the issues discussed are the fact of evolution, theories of evolution, teleological explanations, reductionism and organism, taxonomy and the uniqueness of method in biology.
Credit: 3 semester hours.

3900 Philosophy of Literature: Meaning, Mystery and Metaphysics in the Catholic Novel
Prerequisite: PHI 1000C. A philosophical probe into the nature of meaning, mystery and metaphysics in relation to the truth contained in literature, more specifically stories and most specifically the Catholic novel. The course explores the philosophical outlook of novelists such as Graham Greene, Evelyn Waugh, François Mauriac, George Bernanos, Walker Percy, Morris West and Flannery O’Connor.
Credit: 3 semester hours.

3910 Philosophy of Language
Prerequisite: PHI 3000C. An introductory course covering such topics as the ideational, referential and behavioral theories of linguistic meanings; translation and indeterminacy; realism and anti-realism. Special concerns of this course are the relationship between language and mind; the relationship between semantics and pragmatics. Cf. LIN3910.
Credit: 3 semester hours.

4990 Seminar in Philosophy
Prerequisite: PHI 3000C. An intense reading, writing, and critical discussion course, based on a central theme in contemporary philosophy, in a seminar format. This course is for Philosophy Majors who have competed all other requirements of the major; offered Spring semester only.
Credit: 3 semester hours.

Physics (PHY)
Major Sequences

Physics
31 credit hours of physics, including: PHY 1930, 1940, 1950, 1970, 2460, 3210, 3221 and 3330, and two elective upper level courses within the department. PHY 1950 is waived for students having a prior calculus course. PHY 1610-1620 may be substituted for PHY 1930-1940 with permission from the Department Chair. At least 15 credit hours in mathematics, MTH 1730, 1740, 2750, and 3840. Elective courses in mathematics and computer science are recommended.

Mathematical Physics
23–26 credit hours of physics including: PHY 1930, 1940, 1950, 1970, 2460, 3210, 3310 and 3330. PHY 1950 is waived for students having a prior calculus course. College Physics I-II (PHY 1620–1630) may be substituted for PHY 1930–1940 with permission from the physics chairperson.

At least 19 credit hours in mathematics and computer science, including MTH 1730, 1740, 2750 and 2760, and CSC 1390. At least one elective upper level course in mathematics or physics approved by the advisor.

Physical Science
37 semester hours including: PHY 1930, 1940, 1950, 1970, and 23 elective credits approved by the department. PHY 1950 is waived for students having a prior calculus course.

Physical Science/Pre-Engineering
The Engineering Program is a five-year curriculum offered jointly by St. John’s University and Manhattan College. The first three years of pre-engineering studies are taken at St. John’s University. Students attaining a minimum quality point index of 2.5 and other requirements are then admitted to Manhattan College for the last two years of engineering studies in any of the undergraduate curricula. Both a B.S. degree from St. John’s and a B.E. degree from Manhattan College are awarded when the student successfully completes the program. During their first three years candidates complete general requirements for a Bachelor of Science degree and the following: PHY 1930, 1940, 1950, 1970, 2110, 2150, 3221, 3510; CSC 1010 or 1390, MTH 1730, 1740, 2750 and 3840; PHY 1950 is waived for students having a prior calculus course. A few additional courses (usually two or three) will be specified by the Physics Department in accordance with the student’s preparation and chosen engineering discipline. It may be necessary for students to take summer courses to complete the program in five years.

To assure an orderly sequence of studies, students must have the approval of the Physics Department for each semester’s courses. Some modifications of the requirements can be accepted when approved by the Physics
Combined degree programs
BS Physics/MBA
BS Mathematical Physics/MBA

Physical Science Certificate Program
The Physical Science Certificate Program is a two-year sequence that provides flexible options for the student interested in engineering, physics, or mathematics. The program is intended to provide the first two years toward a degree in engineering, physics, or mathematics. Students attaining a minimum quality point index of 2.5 and 62 credits of course requirements are awarded the Physical Science Certificate. This certifies that the student is prepared to continue with several options:

1. Continue at St. John’s University to complete a B.S. degree in physics, physical science, mathematical physics, or mathematics;
2. Transfer into the third year of an engineering college and complete an engineering degree;
3. Continue in St. John’s 3–2 engineering program and receive two degrees, a B.S. in physical science from St. John’s College and a B.E. degree from the engineering school.

To assure an orderly sequence of studies, students must have the approval of the Physics Department in St. John’s College for each semester’s courses. Some modifications of the requirements can be accepted when approved by the department.

Minor Sequence
16 semester hours including: PHY 1610, 1620 or PHY 1930, 1940 with remaining credits from PHY courses selected under department advisement.

Physics Course Offerings (PHY)

1020 Physics in Words and Pictures
A survey of modern physics without math. Words and pictures illustrate our current concepts of the laws of nature. These are used to explain various everyday phenomena, the scientific view of the cosmos, and elements of modern technology. No prior study of physics 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

1140 Introduction to Space Science

1170 Universe: Introduction to Scientific Cosmology
Relativity theory and the description of gravity as a space-time warp; Big Bang cosmology and the expanding universe; the formation of galaxies and stars; gravitational collapse and black holes. No prior study of physics required. Credit: 3 semester hours.

1210 Planet Earth-Form and Structure
Earth’s continents, oceans and abundant surface features are interpreted in terms of the planet’s turbulent but orderly interior. Earth is treated as a dynamic system. Credit: 3 semester hours.

1220 Planet Earth-Historical Geology
Evolution of the earth through time as revealed in fossils, rocks, radioactive materials and other evidence. The planet’s history is reconstructed from these clues. Credit: 3 semester hours.

1310 Physics of Sound and Music
The physics of sound and music, including simple harmonic motion, waves and sound, standing waves and overtones, pressure and ideal gas law, room acoustics and musical temperament and pitch. Credit: 3 semester hours.

1320 Physics of Light and Color
This course is designed for undergraduate non-science students. It will discuss the properties of light and color, the interaction of light with matter, human eye, the color vision and the formation of visual images. It also covers reflection, refraction, lenses, and applications to photography and lasers and holography. Credit: 3 semester hours.

1340 Renewable Energy and Applications
This course is designed for undergraduate science and non-science students. It will provide an introduction to energy systems and renewable energy resources, with a scientific examination of different types of energy, alternate energy sources and their technology and application. The class will also discuss the society’s present energy needs and future demands, examine conventional energy sources, and then focus on alternate, renewable energy sources such as solar, biomass (conversions), wind power, geothermal, and hydro. Credit: 3 semester hours.

1410 Introduction to General Physics
The course is designed to help students with weak background in physics or those who have no prior physics courses. Topics include:
Introduction to algebra and calculus, and vectors, and selective topics such as mechanics, optics, heat, electricity and magnetism. 
Credit: 3 semester hours.

1430 Introduction to Physics
A survey of mechanics, including falling body and collision problems; an introduction to gases, fluid flow, heat, sound and light. Problem-solving is limited to simple algebra. Applications to biology and medicine. 
Credit: 3 semester hours.

1440 Physics Theory I
Prerequisite: Calculus. An introductory course in the study of the basic theories in classical mechanics, work and energy, heat, sound and wave mechanics. Basic principles and concepts are stressed over applications. Open to non-science majors only. Credit: 4 semester hours.

1450 Physics Theory II
Prerequisite: PHY 1440. A continuation of Physics Theory I, introducing the basic theories of light, optics, electricity, magnetism and atomic and nuclear physics. Basic principles and concepts of classical and modern physics are stressed throughout. Open to non-science majors only. Credit: 4 semester hours.

1520 Earth Science
An integrated study of the basics of astronomy, physical geography, cartography, meteorology and oceanography. Credit: 3 semester hours.

1530 Time Traveling (Mini-Course)
A survey of time including: the dawn of time; laws linking past, present and future; aging and time’s arrow; stargazing into the past; freezing time; the quantum cat and time travel in the many-worlds interpretation; slowing time; freezing time; the quantum cat and time travel. 
Applications to biology and medicine. 
Problem-solving is limited to simple algebra. 
Credit: 3 semester hours.

1930; 1940 University Physics I; II
Prerequisite: PHY 1930 is a prerequisite for PHY 1940. Corequisite: PHY 1950 or MTH 1730. PHY 1931 Laboratory and PHY 1932 Recitation are corequisites for PHY 1930. PHY 1941 Laboratory and PHY 1942 Recitation are corequisites for PHY 1940. First Semester: Fundamentals of mechanics, heat, fluids, wave-motion and sound, utilizing calculus. Second Semester: Fundamentals of optics, electricity and magnetism, atomic and nuclear physics, utilizing calculus. Lecture, 2 hours. Laboratory, 2 hours. Recitation, 1 hour. Credit: 4 semester hours per semester. Laboratory fee, $25 per semester.

1950 Mathematics for Physical Science
Corequisite: PHY 1952 Recitation. Analytic geometry, differential and integral calculus applied to physics and engineering. Lecture, 3 hours. Recitation, 1 hour. Credit: 3 semester hours.

1970 Introduction to Modern Physics
Corequisite: PHY 1620/1940, and 1972 Recitation. The structure and properties of atoms, molecules, and nuclei, X-rays, gammarays, natural and artificial radioactivity. Nuclear fission and fusion, nuclear energy production; special relativity and elementary particles. Lecture, 3 hours. Recitation, 1 hour. Credit: 3 semester hours.

2110 Engineering Mechanics
Prerequisite: PHY 1620 or 1940. Corequisite: PHY 2112 Recitation. Statics; including vector formulations, trusses, and distributed loads. Basic kinematics and dynamics of particles, systems of particles, and rigid bodies; work and energy; impulse and momentum; conservation laws. Emphasis on engineering applications. Lecture, 3 hours. Recitation, 1 hour. Credit: 3 semester hours.

2150 Thermodynamics
Prerequisite: PHY 1620 or 1940. The study of heat, work, and the various forms and transformations of energy. The First and Second Laws of Thermodynamics applied to engines, phase transformations, chemical reactions, and radiation. An introduction to statistical mechanics. Credit: 3 semester hours.

2460 Analytical Mechanics
Prerequisite: PHY 1620 or 1940 and calculus. The fundamentals of classical mechanics. Topics include motion of a particle, conservation of energy, momentum and angular momentum, Lagrange and Hamilton equations, configuration and phase space, orbital mechanics. Credit: 3 semester hours.

3100 Biological Physics
Prerequisites: PHY 1620 or 1940 and calculus. The physical laws most relevant to life. Energy and its transformation in organisms; Information and the programming of life processes; Entropy and the creation of order by living systems; Quantum mechanics and its role in chemistry and in the mutability and permanence of life. Credit: 3 semester hours.

3211 Electricity and Magnetism Laboratory
Prerequisite: PHY 3210. Selected experiments demonstrating the principles and applications of electricity and magnetism. Laboratory, 4 hours. Credit: 2 semester hours. Laboratory fee, $25.

3240 Basic Electronics
Prerequisite: PHY 1450 or 1600 or 1620 or 1940. Corequisite: PHY 3241 Laboratory. An introduction to the principles of electrical measurements and electronics. The use and operation of vacuum tubes and transistors, amplifiers, rectifiers, oscillators and modulators. Application to instrumentation in both physical and bio-medical fields, including transducers, recorders and read-out devices. Lecture, 3 hours. Laboratory, 2 hours. Credit: 4 semester hours. Laboratory fee, $25.

3250 Optics
Prerequisites: PHY 1620 or 1940 and calculus or PHY 1950. The optics of lenses and mirrors, cameras, corrective lenses, telescopes, magnifiers, microscopes. Wave theory of light, with applications: interferometry, diffraction patterns, polarization, spectroscopy, dispersion, fiber optics, holography. Credit: 3 semester hours.

3251 Optics Laboratory
Corequisite: PHY 3250. Selected experiments in Optics. Laboratory, 4 hours. Credit: 2 semester hours. Laboratory fee, $25.

3270; 3280 Atomic and Nuclear Physics I; II
Prerequisite: PHY 3270 is a prerequisite for PHY 3280. Corequisite: PHY 3210 and 3220 or permission of the instructor. Structure and properties of atoms, molecules, and nuclei; foundations of Quantum Theory and the Theory of Relativity; emission and absorption of radiation; foundations of Solid State Theory; radioactivity, fission, fusion, Elementary Particle Theory. Credit: 3 semester hours.

3291 Atomic and Nuclear Physics Laboratory
Corequisite: PHY 3270. Selected experiments in atomic and nuclear physics. Laboratory, 4 hours. Credit: 2 semester hours. Laboratory fee, $25.

3310 Methods of Theoretical Physics
Prerequisite: PHY 1940, MTH 1730. Corequisite: MTH 1740. Selected mathematical methods used in theoretical physics. Complex variables; Fourier Series; Laplace Transformation; vectors, matrices and eigenvalue problems. Applications to ordinary and partial differential
Group 1

Major Sequence

41 semester hours including Psy 1000C, 2990, 2030, 2030L, 2040, 2040P, 2150, 3260, 3800.

In addition, majors must choose one course from each of the following groups below:

- Group 1: Abnormal/Personality/Social Psychology. Courses include PSY 2220, 2210, 3320.
- Group 2: Developmental Psychology. Courses include PSY 2070C, 2080C, 3280, 3290.
- Group 3: Experimental Psychology. Courses include PSY 3270, 3280, 3290.
- Group 4: Emerging Areas of Psychology. Courses include PSY 2220, 2240, 2250, 2260, 2270.

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

Students wishing to pursue graduate training in psychology should take PSY 3040 (Experimental Psychology Laboratory) as one of their electives. Psychology majors are required to take PSY 1000C as their first course. They are encouraged to take 2030 as soon as possible. PSY majors are urged to take BIO 1050 and 1060 as well as PHI 3800 and elective credits in related social sciences, ANT 1010C or 1020C or SOC 1000C, for example. It is advantageous for the student wishing to pursue graduate work in psychology to have completed or be in the process of completing all the required courses by the fall semester of the senior year when the GRE is usually taken.

In addition, it is advisable for students wishing to pursue graduate work in psychology to accelerate the major sequence and elect more than the minimum number of credits in the major, but not to exceed 12 credits above the minimum credits required.

B.A./M.A.

Students admitted into the accelerated B.A./M.A. program in psychology take, in addition to their liberal arts core requirements and B.A. free electives, 28 undergraduate and 15 graduate courses in psychology and three graduate credits outside of the department. In their fifth year, students pursue full-time graduate work completing the balance of credits necessary to meet all degree requirements. Eligibility requires a 3.5 cumulative index with a 3.5 index in PSY. For additional program information consult the St. John’s University Graduate Bulletin.

Minor Sequence

PSY 1000C, 2 courses from PSY 2030, 2040, 2150, 2200, 2220, 3260, 3270, 3290, 3800; 2 courses from PSY 2070, 2080, 2090, 2100, 2110, 2220, 2230, 2240, 2250, 2260, 2280, 3280, 3320; and 1 additional course from among the courses offered by the department.

Psychology Course Offerings (PSY)

Introductory

1000C Introductory Psychology

An introduction to scientific psychology and its methods. The course presents a survey of the major areas within the discipline of psychology, including the psychology of personality, abnormal behavior, learning, sensation and perception, social processes, states of consciousness, individual differences, thinking, language, and human development.

Credit: 3 semester hours.

2990 Sophomore Seminar

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

Credit: 3 semester hours.

Research Methods

2030 Statistical Methods for the Social Sciences

Methods for describing and evaluating research data including measures of central tendency, dispersion, relationships and hypothesis testing by means of t-tests, Chi Square tests, analysis of variance and some non-parametric tests. A laboratory will accompany this course giving students experience using statistical software.

This course should be taken in the sophomore year.

Credit: 3 semester hours.

2040 Research Methods in Psychology

Prerequisites: PSY 1000C and 2030. An overview of the methods and procedures of psychological science. Observational, survey, correlational, experimental and quasi-experimental approaches to research are covered. The application of theory and hypothesis to the design and analysis of research is stressed. Practicum work focuses on studies of human behavior and how to write research reports using the style manual of the American Psychological Association.

This course should be taken in the semester following the completion of PSY 2030.

Credit: 4 semester hours.

3260 Introduction to Psychological Measurement

Prerequisites: PSY 1000C and 2030. An overview of basic principles of measurement theory with emphasis on psychological testing.

Credit: 3 semester hours.

Developmental Psychology

2050 Educational Psychology

A study of intellectual functioning, individual differences, problems of learning and motivation.

Credit: 3 semester hours.

2070C Child Psychology

A study of the physical, intellectual, emotional, and social aspects of development through childhood, with emphasis on major developmental constructs and theories.

Credit: 3 semester hours.

2080C Adolescent Psychology

Physical, intellectual, emotional, and social aspects in the development of the individual in the transitional period between childhood and maturity.

Credit: 3 semester hours.
Abnormal, Personality and Social Psychology

2010 Cross-Cultural Psychology
An introduction to understanding human behavior in its socio-cultural context. The course takes a global perspective and views New York City’s cultural diversity as an important resource. Credit: 3 semester hours.

2200 Abnormal Psychology
Prerequisite: PSY 1000. An introduction to abnormal psychology dealing with the major causes of abnormal psychological behavior and their treatments. Credit: 3 semester hours.

2210 Theories of Personality
An introduction to significant theories of personality and a critical evaluation of these theories. Credit: 3 semester hours.

2230 Psychology of the African American Experience
This course examines the contexts that shape the psyche of African Americans. This course examines the effect of the history of psychology and its cultural underpinnings on the psychological study and evaluation of African Americans as a distinct cultural group. The psychological residuals of involuntary immigration, slavery, segregation and discrimination and social trauma will be explored. Credit: 3 semester hours.

3320 Social Psychology
Prerequisite: PSY 1000. Examines the scientific study of how real, imagined or anticipated actions or evaluations by others influence our thoughts, feelings or behavior. Topics include: the psychology of research participation, attitudes, attitude change, persuasion, conformity, compliance, stereotypes and prejudice, liking and attraction, intimate relationships, group processes, social perception and cognition, the social self, helping others, hurting others and conflict resolution. Credit: 3 semester hours.

Experimental Psychology

2150 Physiological Psychology
Prerequisite: PSY 1000. An introduction to the anatomy and physiology of the nervous system, sensory and motor systems and endocrine system in relation to normal and abnormal behavior. Credit: 3 semester hours.

3270 Experimental Psychology of Learning
Prerequisites: PSY 1000 and 2030. An exposition of contemporary learning theory from the viewpoint of classical and operant conditioning, including interpretation of the role of drives and motives and concepts of generalization, discrimination, emotions, and higher forms of learning. Credit: 3 semester hours.

3280 Cognitive Psychology
Prerequisite: PSY 1000. Examines the scientific study of the acquisition, processing, storage, retrieval, and use of information. Topics include perception, attention, forms of memory, memory effectiveness, imagery, spatial knowledge, language, concepts, reasoning, problem solving, judging, and deciding, expertise, creativity, aging and cognition and unconscious cognitive functioning. Credit: 3 semester hours.

3290 Experimental Psychology of Sensation and Perception
Prerequisites: PSY 1000 and 2030. Prerequisite or corequisite: PSY 2150. Introduction to the concepts, methods, and findings of classical and modern psychophysics as they relate to providing an understanding of the sensory information and the processing of sensory information. Credit: 3 semester hours.

Emerging Areas of Psychology

2220 Child and Adolescent Psychopathology
Prerequisite: None. Developmental, clinical-diagnostic, and experimental approaches to child and adolescent psychopathology will be addressed. The developmental course of each disorder and the role of biological, psychological, and sociocultural factors and how they interact with a child’s environment will be addressed. Specifically, the course will examine disorders related to anxiety, stress & trauma, mood, schizophrenia, eating and substance abuse, memory & organic dysfunctions, ADHD, and personality in childhood and adolescence. Credit: 3 semester hours.

2240 Psychology of Women
Prerequisite: None. Reviews the relevant psychological theories and empirical research on women and gender throughout the lifespan. The major goals of the course are to understand the biological, cognitive, and psychosocial influences that affect the realities of women’s lives in modern society. Credit: 3 semester hours.

2250 Forensic Psychology
Prerequisite: PSY 1000C. The relationship between psychology, psychopathology, and mental health issues that interact with our legal system. Credit: 3 semester hours.

2260 Positive Psychology
Prerequisite: None. Positive psychology studies how human beings prosper in the face of adversity. It attempts to identify and enhance the human strengths and virtues that make life worth living and allow individuals and communities to thrive. Credit: 3 semester hours.

2270 Health Psychology
Prerequisite: None. Health Psychology focuses on the behavioral, personality, social, cultural, and life style variables that influence the prevention and treatment of physical health, disease on set, stress/coping and intervention strategies, disparities in seeking and having access to health care, and compliance with medical treatments. Credit: 3 semester hours.

Specialized and Advanced Courses

2100 Altered States of Consciousness and Parapsychological Events
Prerequisite(s): None. A selective examination of research and theory concerning altered states (such as meditative and drug-induced states, dreaming, hypnosis, various kinds of “trances” and “peak experiences”), extrasensory perception, psychokinesis and possible interrelationships of these areas. Credit: 3 semester hours.

2180 International Psychology
Prerequisite(s): None. A basic understanding of the history, current status, and future directions of scientific and professional psychology applied to contemporary global issues. Credit: 3 semester hours.

2190 Psychology of Humor
Prerequisite(s): None. What makes you laugh? Reviews the psychological research behind mirth, humor, and laughter. Credit: 3 semester hours.

2280 Introduction to Sport Psychology
Prerequisite(s): Psychological factors that affect sports participation and the application to practical sports situations. Credit: 3 semester hours.

2380 Psychology of Anger, Aggression, Hatred, and Violence
Prerequisite(s): None. Psychological factors that affect anger, aggression, hate, and violence and the implications for assessment, prevention, and interventions in society and the individual will be explored. Credit: 3 semester hours.

3220 Introduction to Clinical Psychology
Prerequisites: PSY 1000 and 2220. An introduction to clinical psychology including history, development of models and their application, assessment and treatment. Credit: 3 semester hours.

3330 Industrial and Personnel Psychology
Prerequisite: PSY 1000. Psychological aspects of individual differences, efficiency, working conditions, accident prevention, human engineering, industrial mental health, and counseling. Credit: 3 semester hours.

3410 Autism & Intellectual Disability
Prerequisite(s): Psy 2200 Abnormal Psychology or Psy 2220 Child and Adolescent Psychopathology, or CSD 1730 Language acquisition, or CSD 2760 Speech Language Pathology I Study of concepts, procedures, and
research related to autism, mental retardation, and other developmental disabilities from bio-medical, psychological and educational perspectives. Credit: 3 semester hours.

3800 History and Systems of Psychology
Prerequisites: PSY 1000 and at least nine other PSY credits. The evolution of psychology from its philosophical and physiological roots to its current status as science and profession. Review of major schools and theories, contributions of noted investigators and significant advances. Credit: 3 semester hours.

4990 Seminar
Prerequisites: PSY 2040 and at least 21 additional credits in PSY. A capstone course involving research and discussions on select psychological topics and problems. This course will be discontinued after the fall 2015. Credit: 3 semester hours.

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

4903 Internship in Clinical, Counseling or School Psychology
Prerequisites: At least 12 credits in PSY. Placement in a social service agency for six to eight hours per week of volunteer work. Individual and group meetings with the instructor. Social service agency includes, but is not limited to, psychiatric hospitals, institutions for the exceptional children and adult, homes for the elderly, halfway houses, and crisis intervention centers. Credit: 3 semester hours.

Interdisciplinary Programs

4904 Internship in Industrial/Organizational Psychology
Prerequisites: 12 credits completed in Psychology. Placement in an agency or corporation for eight to ten hours per week of work in psychology related businesses, plus meetings with the instructor. Credit: 3 semester hours.

4951 Independent-Guided Study in Psychology I
Qualified psychology majors undertake directed study on topics of their choice. Psy 1000C, Psy 2990, and at least 9 other credits in Psychology for 15 credits in Psychology. Prior to registration, the students must prepare a written contract with a psychology department faculty member of the student’s choice. This contract shall specify the topic to be studies, the goals of the course, the reading list, and the activities to be done in the course and the final produce of the course expected by the faculty member. The department chair must provide written approval of the agreement before the students can register. Open only to Psychology majors with a 3.0 overall GPA. Credit: 3 semester hours.

4952 Independent-Guided Study in Psychology II
Qualified psychology majors undertake directed study on topics of their choice. Psy 1000C, Psy 2990, Psy 4951, and at least 9 other credits in Psychology for 15 credits in Psychology. Prior to registration, the students must prepare a written contract with a psychology department faculty member of the student’s choice. This contract shall specify the topic to be studies, the goals of the course, the reading list, and the activities to be done in the course and the final produce of the course expected by the faculty member. The department chair must provide written approval of the agreement before the students can register. Open only to Psychology majors with a 3.0 overall GPA. Credit: 3 semester hours.

4953 Independent Research in Psychology I
Prerequisites: Psy 1000C, Psy 2030, Psy 2040, and at least 9 other credits in Psychology for 20 credits. Prior to registration, the students must prepare a written agreement with a psychology department faculty member of the student’s choice. This agreement shall specify the research topic to be explored, procedures to be followed, and the final produce of the course expected by the faculty member. The department chair must provide written approval of the agreement before the students can register. Open only to Psychology majors with a 3.0 overall GPA. Students cannot take this course and Psy 3040, Psy 3041, Psy 4351, Psy 4952, or Psy 4954 in the same semester. Credit: 3 semester hours.

4954 Independent Research in Psychology II
Prerequisites: Psy 1000C, Psy 2030, Psy 2040, 4953, completion of X (21) credits in Psychology approval of and acceptance from a member of the department faculty for a research project. Qualified psychology majors undertake directed research in a chosen field of psychology. Credit: 3 semester hours.

3040 Experimental Psychology Laboratory
Prerequisite: PSY 2040. Student experimentation and supervised research; group projects involving original research; participation in ongoing research projects. Laboratory, 6 hours. Credit: 3 semester hours.

3041 Psychology Research Laboratory
Prerequisites: Psy 1000C, Psy 2030, Psy 2040, 3040, completion of X (18) credits in Psychology approval of and acceptance from a member of the department faculty for a research project. Qualified students undertake directed research in a chosen field in psychology with a research team. Students learn to conceptualize problems, design, conduct, and write up a study. Credit: 3 semester hours.

Social Studies
(Staten Island campus)
Students interested in pursuing this program should consult the History section of this bulletin and/or contact the Staten Island Dean’s Office for details.

Rhetoric, Communication and Theatre (RCT)

Major Sequences

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

Minor Sequences

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

Business Communication
15 semester hours including: SPE 1000C or HON 1020C and RCT 2020, RCT 2050 or HON 2090 and one approved elective.

Religious Communication
18 semester hours including: SPE 1000C or HON 1020C, RCT 3190; nine credits from RCT 1015, 1050, 2010, 2060, 3110, 3130, and three elective RCT credits.

Theatre
18 semester hours including: SPE 1000C or HON 1020C, and RCT 2110, 1540, 2540, and six credits from RCT 1050, 1520, 1560, 1575, 1580, 1585, 1590.

Musical Theatre
18 semester hours including: nine semester hours in RCT 1510 or 1530, RCT 1540, MUS 1260; three semester hours in Voice (MUS 1620*, MUS 1630); six semester hours chosen from among RCT 1580, 2540, 1520, 1560, 1575, 1580, 1585, 1590.
Rhetoric, Communication and Theatre Course Offerings (RCT)

1000C Public Speaking for the College Student
Basic principles of purposive speaking. Students apply these principles to several oral presentations with primary emphasis on extemporaneous public speaking. Credit: 3 semester hours.

1005C Interpersonal Communication for the Pharmacist
The process of interpersonal communication and the skills necessary to communicate effectively with others within professional pharmacy settings. Restricted to allied health students. Credit: 3 semester hours.

1010 College Debate in a Global Context
Prerequisite: SPE 1000C or HON 1020C. Examines the role of formal debate as a worldwide competitive activity focusing on debate practice and the rules, procedures, and styles of several debate formats. Credit: 3 semester hours.

1015 Introduction to Interpersonal Communication
The process of interpersonal communication and the skills necessary to communicate effectively with others in all facets of everyday life, i.e., within family, social, educational and business situations. Credit: 3 semester hours.

1050 Fundamentals of Speech Production
Improvement of voice and diction through study of breathing technique, resonance, pitch, vocal range, diction, IPA and oral interpretation of literature. Credit: 3 semester hours.

1155 Language and Intercultural Communication
Communication as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, intergenerational, gender, deaf subcultures and international settings. Credit: 3 semester hours.

2000 Advanced Public Speaking
Advanced theoretical and practical principles of purposive speaking. Students apply these principles to various speaking occasions, audiences, and methods. Credit: 3 semester hours.

2015 Nonverbal Communication
How nonverbal messages function to communicate culture, race, gender, and personality. Links nonverbal messages to impression formation and management, as well as relational and expressive communication. Credit: 3 semester hours.

2020 Persuasion
Prerequisite: SPE 1000C or HON 1020C. Theory and practice of persuasive communication, including the preparation and delivery of persuasive speeches. Credit: 3 semester hours.

2025 Organizational Communication
Research and theories of communication in corporate, service and non-profit organizations. Skills in interviewing, message design, leadership and committee work. Credit: 3 semester hours.

2030 Rhetoric of Popular Culture
In this course we will study the intersections between popular culture and rhetoric. Credit: 3 semester hours.

2040 American Public Address
Analysis and evaluation of representative speakers and speeches in the history of American public address. Credit: 3 semester hours.

2050 Decision-Making Discussion
Theory of and practice in using discussion as a method of decision making. Discussion organization and leadership. Credit: 3 semester hours.

2060 Argumentation: Inquiry and Advocacy
Prerequisite: SPE 1000C or HON 1020C. The theory and practice of argument including the use of analysis, evidence, reasoning and organization in developing and defending an argumentative position. Credit: 3 semester hours.

2090 Great Speeches of New York
History and criticism of significant rhetorical artifacts generated in New York City. Discussion of the significance of the City as a site of public discourse. Credit: 3 semester hours.

2110 Oral Interpretation
The art of reading to an audience, conveying ideational, emotional and dramatic content; the techniques of analysis are exercised equally with those of expression. Credit: 3 semester hours.

3100 Foundations of Rhetorical Theory
Prerequisite: SPE 1000C or HON 1020C. An examination of the principal developments in rhetoric from the Sophists to Augustine. Credit: 3 semester hours.

3110 Rhetorical Communication Strategies
Theory and practice of rhetorical criticism of historical and contemporary communication texts, including speeches, letters, essays, editorials, and persuasive campaigns. Credit: 3 semester hours.

3150 Rhetoric of Social Movements
Survey of rhetorical documents associated with American movements, groups, and persons dedicated to social change. Credit: 3 semester hours.

3160 Modern Rhetorical Theory
Examination of the development of rhetorical theory in modern history, including modern and postmodern thinkers and communicative issues in modern and postmodern society. Cf ENG 3900 Credit: 3 semester hours.

3170 Prosecution and Defense: The Rhetoric of Cicero and the Law of Rome (Mini-Course)
Critical study of the forensic oratory of Cicero, based on Roman legal and rhetorical practices. No knowledge of classical languages is required. Credit: 3 semester hours.

3180 Legal Argumentation
Prerequisite: SPE 1000C or HON 1020C. This course is designed to study argumentation that occurs within the law. Students receive training in both the theory and practice of persuasive legal argumentation. Credit: 3 semester hours.

3190 Rhetoric of Religion
The role of religious discourse in relation to the rhetorical tradition and contemporary society. The study of the intersection of religious rhetoric and socio-political issues. Credit: 3 semester hours.

4000 Special Topics Seminar
Restricted registration. Research and discussion on select topics and problems. c.f. THE 3615 Credit: 3 semester hours.

4093 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.

4096 Internship in Speech Communication
Restricted registration. Fieldwork (16 hours per week). See RCT 4903. Credit: 6 semester hours.

4953 Independent Study
Restricted registration. Independent research in an area of the student’s own selection under the general advisement of a faculty member. Credit: 3 semester hours.

4990 Senior Seminar
Survey of contemporary communication research methods from a variety of theoretical perspectives. Recommended for juniors and seniors. Credit: 3 semester hours.
Theatre Course Offerings (RCT)

1500 Theatre Education
Introduction to theatre techniques for educators. Emphasis on staging the play, puppetry, improvisation, storytelling and creative dramatics. Credit: 3 semester hours.

1510 Introduction to Theatre
A survey of theatre from ancient Greece through the 19th century; stage practices; the art of the actor and the theatre as an educational device and cultural experience. Credit: 3 semester hours.

1520 Creating Theatre
An overview of theatre and its craft which examines the actor, the playwright, the designers, the technicians, the director and their collaboration. Emphasis on creating and developing original work. Credit: 3 semester hours.

1530 Modern Theatre
Principles and practices in theatre since the beginning of the 20th century; current offerings on the New York stage and problems they involve; new movement and theories and their sources in theatre of the past. Credit: 3 semester hours.

1540 Introduction to Acting I
Basic techniques in analyzing and creating a role. Improvisations, scene practice, script analysis. Credit: 3 semester hours.

1550 On-Camera Acting: Commercials, Movies and Sitcoms
An introduction to acting and to the special techniques of on-camera performance. Emphasis on career building, and on the styles of commercials, movies and sitcoms. Credit: 3 semester hours.

1560 Playwriting: Writing for Stage Performance
Prerequisite: SPE 1000C. Craft skills of writing for stage performance. Analysis of the basic play architecture, problems of character development, dialogue and plot. Student scripts and exercises are read and analyzed in class. Credit: 3 semester hours.

1570 Stagecraft I
Prerequisite: Permission of the instructor. First Semester: Introduction to theatre architecture and staging. Theory and practice of scene design, set construction and lighting design. Credit: 3 semester hours.

1575 Theatre Laboratory: Stagecraft
Prerequisite: Permission of the instructor. Supervised laboratory experience in technical theatre production. Students further skills and knowledge of technical theatre throughout practical application in departmentally approved productions. Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to maximum of 3 credits.

1580 Theatre Laboratory: Acting
Prerequisite: Permission of the instructor. Supervised laboratory experience in acting. Students further their skills, and knowledge of acting in a departmentally approved production or project. Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to a maximum of 3 credits.

1585 Theatre Laboratory: Directing
Prerequisite: Permission of the instructor. Supervised laboratory experience in directing. Students further their skills and knowledge of directing in a departmentally approved project. Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to a maximum of 3 credits.

1590 Theatre Workshop (Mini-Course)
Prerequisite: Theatre Laboratory: Stagecraft. Experience in the production and performance of a play. Each student performs a role and supervises a production responsibility. Performance is presented during last class session. Laboratory fee, $10. Credit: 3 semester hours.

1595 Performance I
Students further their skills and knowledge of acting in a departmentally approved production or project. Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to a maximum of 3 credits.

1598 Special Topics in Theatre
Prerequisite: Permission of the instructor. Special topics in theatre. Credit: 1 to 3 credits per semester. 1 semester hour requires 45 hours of laboratory work. Repeatable to a maximum of 3 credits.

Special Note for Double Majors
A student may major in both SOC and ANT. SOC 2610, 4270 may be used to satisfy both major sequences. A double major must complete a total of 60 semester hours in Soc and Ant. A minimum of 12 elective credits in each discipline is required.

Special Note for Sociology Majors
Students majoring in Sociology on the Staten Island campus may have to take upper level required courses in the major on the Queens campus.

Minor Sequences

Sociology
18 semester hours, including SOC 1000C and 15 elective credits in SOC. All social science majors may satisfy the requirements for this minor with 15 credits, including SOC 1000C and 12 elective credits in SOC.

Anthropology
18 semester hours: ANT 1010 and 1020 and the remaining credits from other ANT course offerings.

Social Work
18 semester hours, including SOC 1030, 1090, 4530, and the remaining credits from other SOC offerings. Under advisement, HSE courses may apply to the minor. However, all HSE students must take SOC 1030. All social and behavioral science majors may satisfy the requirements for this minor with 15 credits in addition to their major requirements.

Sociology Course Offerings (SOC)

1000C Introduction to Sociology
The study of human interaction. The influence of groups, organizations and culture on ways of thinking, acting, feeling and on values and lifestyles. Theories and methods for analyzing social issues and predicting social trends. Credit: 3 semester hours.

1030 The Social Welfare System
Functions and consequences of the American social welfare system (e.g., housing, public assistance, health care, criminal justice), formulation, and evaluation of social policies. Credit: 3 semester hours.

1040C Social Change
Examination of the social and cultural movements that are transforming society. Current debates on feminism, postmodernism, postindustrialism, identity politics and technoscience are central to this course. Credit: 3 semester hours.

1055 Sociology of War
Analysis of the economic, political and social causes and consequences of war and its effects on combatants. Credit: 3 semester hours.
1070 Social Problems
Current social issues and policies; race relations, crime, deviance, aging, economic and political trends and their influence on social structures. Alternative strategies to confront current problems are considered. Credit: 3 semester hours.

1080 Neighborhoods
This course focuses on neighborhood processes of cohesion, conflict and change. Race, ethnic, religious and gender relations are also discussed. Power at local and city-wide levels and strategies of community organizations are explored. Credit: 3 semester hours.

1090 Introduction to Social Work
A survey of social work methods and clinical techniques for problem-solving; rational interviewing and casework, group dynamics, and community intervention. Credit: 3 semester hours.

1100 Sociology of Prisons
Prisons are presented within the larger social context of punishment. A comparative approach is emphasized to understand the various patterns of correctional strategies and their implications to policy and management. Credit: 3 semester hours.

1110 Criminology
Crime, the criminal, the criminal law and cost of crime. Criminal behavior systems. Explanations for criminal behavior; the police, the courts, probation, sentencing, punishment and parole. Credit: 3 semester hours.

1120 Social Psychology
Social experience and its effects on thought, feeling and behavior. Credit: 3 semester hours.

1130 White Collar Crime
Basic analytical concepts in the study of white-collar crime, the major forms of white-collar crime and legal responses to this form of crime. Credit: 3 semester hours.

1140 Sociology of Work
The organization of work in industrial society, including the shape of the work force; human/technology interaction; satisfactions and dissatisfactions that result from the social structuring of experience of work. Credit: 3 semester hours.

1150 Sociology of the Family
This course examines the institution of marriage and the family. Credit: 3 semester hours.

1160 Deviant Behavior
Study of the causes of deviance, its diverse forms and patterns, reactions to deviant behavior by social controllers and others as well as consequences of deviance for victims and society. Credit: 3 semester hours.

1170 Inequality; Race, Class and Gender
Analysis of the social factors determining class, power and prestige in American society; poverty and the effectiveness of welfare policies; interclass conflicts; the impact of changes in the labor market and in sex roles. Credit: 3 semester hours.

1180 Education and Inequality
Schooling in contemporary society including the role that schools and family play in internalizing in pupils the capacities for successful performance in future adult roles. Credit: 3 semester hours.

1190 Sociology of Poverty in America
An examination of the everyday life of poor people in the U.S. Critical analysis of the development of social policy, social movements and the conditions that would have to be changed if poverty is to be ended. Credit: 3 semester hours.

1200 Correctional Supervision and the Community
Critical trends and issues in the development, philosophy, and praxis of community-based correctional programs as alternatives to incarceration and as a function of community reentry. Credit: 3 semester hours.

1230 Italian American Identity in the Cinema
Examination of Italian American identity in American cinema. Credit: 3 semester hours.

1570 Gender, Violence and the Movies (Mini-Course)
Exploration of the relationship between violence and gender in the cinema. The effect images of violence have on gendered spectators and consciousness formation are examined. Credit: 3 semester hours.

1590 Special Topics in Poverty Studies (Mini-Course)
This course will explore the social causes of poverty and the everyday lives of poor people in specific national and global communities. Students, through direct involvement in the communities will be able to connect theory and practice. Credit: 3 semester hours.

2000 Global Crime
This course introduces students to a theoretical understanding of transnational organized crime (global crime), describes the major forms it takes, and addresses relevant policy issues. Credit: 3 semester hours.

Experientially bases seminar at Rikers Island jail. Examines function and social consequences of justice policies, particularly mass incarceration; examines intersection of race, ethnicity, class and gender. Credit: 3 semester hours.

2030 Economic Sociology
Sociological analysis of how markets, networks and hierarchies coordinate economic behavior; the economy’s relationship to the state, inequality, technology, culture and globalization. Credit: 3 semester hours.

2100 Global Poverty
Failures of global policies to substantially change the conditions of the world’s poor and conditions that would have to be changed if poverty is to be ended. Credit: 3 semester hours.

2110 Women and Crime
The relationship between women and crime: women as offenders, including the nature and seriousness of offenses and women as victims of crime. Credit: 3 semester hours.

2120 Juvenile Delinquency
Delinquency theories and their effect on prevention, intervention and control strategies. Development of the American juvenile justice system and the influence of race, gender, family, peers and schools. Credit: 3 semester hours.

2200 Substance Abuse and Addiction in Society
This course focuses on causes and rates of alcoholism, drug abuse and addiction, compulsive gambling, obesity and other habitual behaviors. Impact of addiction on the family, education, occupations and crime. Credit: 3 semester hours.

2220 Domestic Violence
An examination of the social causes of domestic violence, the impact on victims and approaches to their recovery and institutional responses to the problem. Credit: 3 semester hours.

2320 Sociology of U.S. News Media
This course examines the social processes involved in the production of news; including attention to the political economy of media, textual analysis, and audience studies. Credit: 3 semester hours.

2330 Human Trafficking
This course studies the historical, economic, political, institutional, legal and social characteristics of human trafficking. Credit: 3 semester hours.

2340 Social Construction of Race in the United States
This course examines the historical and contemporary social processes that have been significant in the development of racial formations in the United States. Credit: 3 semester hours.

2360 Law and Society
An examination of the social forces surrounding the law. Effects of social systems, social movements and culture on the law. Different models of the legal system are analyzed. Credit: 3 semester hours.

2380 Sociology of Sport
The role and function of sport, games and play as socializing agents, leisure pursuits and business enterprises; historical, economic and organizational influences on sport and leisure development. Credit: 3 semester hours.
2410 Race and Ethnicity in America
American ethnicity in comparative cultural context. Majorities and minorities in terms of stereotyping, prejudice, unequal distribution of goods and services, discrimination and conflict. Major contributions of ethnic groups to American life. Credit: 3 semester hours.

2420 Immigration and Inequality in the U.S.
Sociological analysis of immigration focusing on the relationship between birthright, naturalization, immigration laws, citizenship and patterns of racial, ethnic, class and gender inequality. Credit: 3 semester hours.

2430 Sociology of Gender
This course focuses on issues related to gender roles in modern society. Inequality between women and men in society, male-female interactions, women’s and men’s movements and social change are discussed. Credit: 3 semester hours.

2440 Gender Identity in Popular Culture
Exploration of the social construction of gender in popular culture and the interaction between the individual and these images in the formation of the self. Special attention is given to the construction of gender identity in films, television and music. Credit: 3 semester hours.

2450 Sociology of the Black Experience
This course examines the content and nature of African-American experience and how it has changed over time. Economic, cultural, religious, political and sociological aspects of the black and African-American experience will be examined. The struggle for equal rights, social justice and empowerment will be central. Credit: 3 semester hours.

2460 Social Justice and the City
This course will examine various forms of deprivation, inequality and intolerance in urban areas and will address these issues through sociological discourse, social action and urban policy. Credit: 3 semester hours.

2470 Gender in a Global Context
The sociology of gender from a global perspective; focusing on gender issues throughout the world; bringing regional and cultural differences into the analysis. Credit: 3 semester hours.

2550 Stress, Coping and Crisis Intervention
Successful ways to cope with everyday stress, as well as traumatic events are covered. Stress theories and crisis intervention methods are applied to individuals, groups and communities experiencing serious difficulties. Credit: 3 semester hours.

2610 Statistical Methods for the Social Sciences
Introduction to statistical concepts and procedures for social science students. Students are taught basic computer literacy and have access to the Internet. Descriptive and inferential statistics are the focus of this course. Credit: 3 semester hours.

2630 Urban Sociology
The city and its environs; the complexity of its population residential movements and industrial migration; contrasting values of the city and suburbs, including the transition from modern to the postmodern city. Credit: 3 semester hours.

2670 Sociology of Religion
The study of the social aspects of religion, with particular focus on contemporary America. This includes major societal functions, social organization, interrelationships with other institutions and secular activities; and the nature of religious consciousness. Credit: 3 semester hours.

3240 Sociological Theory
Prerequisite: SOC 1010. Classical sociological theories that influence the analysis of contemporary society. Emphasis on the works of Durkheim, Marx, Weber, Simmel, Mead and other social thinkers. Credit: 3 semester hours.

3650 Sociology of Modern Organizations
The sociological study of organizational goals, organizational structure, organizational processes, organizations in relation to their environment and to the individual; nature and organization of work in society. Credit: 3 semester hours.

3660 Political Sociology
Analysis of the social bases and contexts of political power; political conflict, participation, and nation building; political thought and movements; various forms of political rule. The course deals with power in a broad context from the meta state to everyday life. Credit: 3 semester hours.

4270 Measurement, Evaluation, and Research Methods
Prerequisite: SOC 2610. Survey of data gathering procedures including the interview, questionnaires, sampling, scales, aptitude and personality measures, formal and informal observation, content analysis, case study and data analysis. Credit: 3 semester hours.

4280 Internship in Social Research
Prerequisite: SOC 4270. Selected research problems are carried out as field projects incorporating the various methods covered in SOC 4270. Open to sociology majors only. Credit: 3 semester hours.

4530 Social Work Internship
Prerequisite: SOC 1090, consultation with instructor prior to registration, grade of B or better in SOC 1090. Supervised learning experiences in social service agencies dealing with individuals, families and/or groups. Students are required to put in 100 hours for 3 credits. Credit: 3 or 6 semester hours.

4953; 4954 Individual Guided Research
Guided theoretical or empirical research on an individual basis. The Chair must give written approval. Open only to sociology majors and minors. Credit: 3 semester hours.

4990 Sociology Seminar
Prerequisite: SOC 3240 and 4270. Major concepts of sociology discussed. Student interaction represents major contribution to class sessions. Service learning component. Required for all senior sociology majors. All others by permission of Chair. Credit: 3 semester hours.

Anthropology Course Offerings (ANT)

1000 Language and Culture
Communication as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, gender, intergenerational, international settings and deaf subcultures. Credit: 3 semester hours.

1010 Introduction to Anthropology: Cultural
Anthropology as a comparative cultural approach. Learning about American and world cultures through examination of the whole life experience in cross-cultural perspective. Credit: 3 semester hours.

1020 Introduction to Anthropology: Physical
Biological and social aspects of human existence. African fossil evidence and the evolution of the first humans in ecological contexts. Population genetics, and social behavior of primates as clues to ourselves. Credit: 3 semester hours.

1030 Introduction to Archaeology
Basic goals, concepts and methods of archaeological excavation and analysis. Study of local sites such as American Indian, colonial cemeteries and black-American communities. Includes local field trips. Credit: 3 semester hours.

1040C Culture and Global Change
An examination of the diverse social and cultural movements that have and are currently transforming the world. Credit: 3 semester hours.

1050 World Cultures: Yesterday and Today
Survey of major types of culture in the world. Special emphasis on points of the origin of American ethnic groups. Impact of modernization and culture change on traditional societies. Credit: 3 semester hours.

1100 Food and Culture
An exploration of how culture shapes what, when, and where we eat; the evolution and global diversity of food habits; issues of world hunger. Credit: 3 semester hours.

1110 Kinship, Family and Gender
A detailed overview of the anthropological approach to the study of kinship, family and gender cross-culturally through classical and contemporary texts. Credit: 3 semester hours.
1120 Human Ecology
A study of the interrelationships between humanity—social and cultural—and the Earth. The nature and impacts of population growth, industry and technological progress are emphasized. Field trips may be included. Credit: 3 semester hours.

1130 Historical Archaeology
Foundations for the historical archaeology of European colonization and global capitalism, including archaeological techniques to uncover past constructions of race, ethnicity, class and gender. Credit: 3 semester hours.

1140 Ancient Civilizations
The archaeology of ancient civilizations with a focus on Mesopotamia, Egypt, the Indus Valley, China, Mesoamerica, and Peru. Examines their government, religion, food production, and the environment, sedentism, urbanism, architecture, art, gender, trade, and warfare in the past. Credit: 3 semester hours.

1155 Language and Intercultural Communication
Communications as it affects and is affected by culture. Barriers to effectiveness. Competent intercultural communication in ethnic, intergenerational, gender, deaf subcultures and international settings. Credit 3 semester hours. Cf. LIN 1155; SPE 1155

1160 Society, Culture and Education
A study of the American educational institution in its social and cultural contexts. Relationships between the school and the youth sub-culture, the family, the mass media, the economy. Contemporary social currents, especially poverty, drug addiction and the job market, and how they affect the young and their schooling. Credit: 3 semester hours.

1190 Psychological Anthropology
Psycho-social development in cross-cultural perspective. Personality and cultural institutions in reciprocal relationship. Comparative analyses of personality maladjustments and human problems such as alcohol dependency. Credit: 3 semester hours.

1780; 1790 Off-Campus Topics in Multicultural and Multiethnic Studies I; II
Travel to another country or region of the United States for first-hand experience of another culture. Integration of academic knowledge from anthropology and related social and behavioral sciences and first-hand experience. Credit: 3 semester hours.

2010 Introduction to Linguistics
An introduction to the fundamental principles of phonetics, phonology, morphology, syntax and semantics, with examples drawn from classical and modern languages. cf Lin 1010 Credit: 3 semester hours

2020 Survey of Linguistics
An introduction to the various fields of interest that comprise the modern study of linguistics. cf Lin 1020 Credit: 3 semester hours

2100 Medical Anthropology
Cross-cultural explorations of human health and disease. Review of methods and theories used in the practice of medical anthropology. Emphasis on global health disparities and social justice. Credit: 3 semester hours

2300 The Anthropology of Music
Comparison of anthropological approaches to the study of music. Emphasis on theories of musical style in relation to local and global social and cultural processes. Credit: 3 semester hours.

2400 Anthropology of Development
Survey of anthropological approaches to development. Focus on competing cultural ideas about living standards and economic progress in relation to globalized development strategies. Credit: 3 semester hours.

2440 Caribbean Cultures and Identities
Anthropological introduction to the history and culture of the Caribbean. Emphasis on colonial history and legacy and the cultural diversity of the region. Credit: 3 semester hours.

2450 African Cultures
Anthropological overview of the cultures and traditions of Africa. Emphasis on the colonial legacy and cultural diversity of the African continent. Credit: 3 semester hours.

2740 Anthropology of Religion
Religions and rituals of societies with primitive and transitional technologies. Study of the forms, functions, and meanings of belief systems and ritual practices. Credit: 3 semester hours.

2750 The North American Indian
The history and nature of American-Indian cultures: pre-history and archaeology; contemporary problems of the American Indian as a subculture in modern USA; world industrial expansion and the plight of the American Indian. Credit: 3 semester hours.

2760 South Asian Society
Introduction to sociological and anthropological study of South Asia. Continuity and change in social institutions and traditions of the region. Credit: 3 semester hours.

4200 Urban Fieldwork
This course provides a general introduction and overview of anthropological and sociological strategies for multicultural research in the United States and abroad. Credit: 3 semester hours.

4820 Archaeological Fieldwork (Mini-Course)
Prerequisite: Permission of instructor. Fieldwork practicum on concepts and techniques of archaeological excavation and teamwork. Survey or excavation of sites to be announced each year. Materials fee. Credit: 3 semester hours.

4870 The Bible and Archaeology
An introduction to the modern science of “Biblical Archaeology” and questions on the historicity of ancient Israel. Credit: 3 semester hours.

4953; 4954 Individual Guided Research
Guided theoretical or empirical research on an individual basis. Chair must give written approval. Open only to anthropology majors and minors. Credit: 3 semester hours.

4990 Anthropology Seminar
Open only to anthropology majors and minors. Credit: 3 semester hours.

Theology and Religious Studies (THE)

Major Sequence
36 semester hours including THE 1000C and 2100 (in sequence), 2205, [2210 or 2215], [2300 or 2320], 2500, 2810, 4990, three elective courses in the 3000 series and one course in the 3100 series.

B.A./M.A.
B.A./M.A. students take a total of 42 credits including THE 1000C (see above note) and 2100 (in sequence), 2205, [2210 or 2215], [2300 or 2320], 2500, 2810, 4990 and one course in the 3100 series on the undergraduate level. Students must also complete two graduate courses in junior year and two graduate courses in senior year, for a total of 12 graduate credits. Eligibility requires a 3.0 overall index and a 3.5 in THE. For additional program details, consult the St. John’s University Graduate Bulletin.

Minor Sequences

Theology and Religious Studies
18 semester hours including nine credits in the core and nine credits from any other course offerings of the department.

Interfaith Studies
18 semester hours including nine credits in the Core and nine credits selected under department advisement from among THE 1000, 2700, 2705, 2710, 2720, 2730, 2740. Note: Mini-courses are not applicable toward the THE major, B.A./M.A., minor sequences.
Core Curriculum Note
All students are required to take THE 1000C and two other courses, one from the 2000 series and one from the 3000 series. Minicourses may not be used to satisfy Core requirements.

Theology and Religious Studies Course Offerings (THE)

1000C Perspectives on Christianity: A Catholic Approach
An introduction to Christianity highlighting belief statements, practices, scripture, rites, theological writings, artistic expressions, and other discourses manifesting and expressing the Christian faith in its various traditions through its development. All students regardless of religious affiliation must take 1000C. Credit: 3 semester hours.

2000 The Catholic Imagination
Prerequisite: THE 1000C. Examines the role of Catholic imagination vis-à-vis culture with particular attention to ways it has been manifested in cultural productions such as art, literature, music, and film. Credit: 3 semester hours.

2100 Introduction to the Bible
Prerequisite: THE 1000C. Introduction to the history, literary forms and theology of the Old and New Testaments. Credit: 3 semester hours.

2200 The Mystery of Triune God
Prerequisite: THE 1000C. The Christian theology of the triune God, with its implications for issues such as faith and reason, theological language, Christian praxis, and dialogue with other religious traditions. Credit: 3 semester hours.

2205 Jesus in Christian Faith
Prerequisite: THE 1000C. A study of statements of faith interpreting Jesus’ work and nature in the gospels, ancient creeds, later theology, and praxis of faith. Credit: 3 semester hours.

2210 Perspectives on the Church
Prerequisite: THE 1000C. The theology of the Christian community: its Scriptural warrants and history, issues such as: the role of the Church in salvation, the relation between the local and universal Church, Vatican II, ecumenism, authority. Credit: 3 semester hours.

2215 Christian Worship and Sacraments
Prerequisite: THE 1000C. This course explores worship, and sacraments especially in the American context. It examines “culture” and its influence on the understanding and experience of the “holy” and “mystery” in Christian rite, time, and place in light of recent developments in sacramental theology and practice. Credit: 3 semester hours.

2300 Introduction to Catholic Moral Theology
Prerequisite: THE 1000C. An overview of Christian ethics, including introductory moral foundations and selected ethical issues in individual and social morality on the basis of Christian revelation. Credit: 3 semester hours.

2320 Introduction to Catholic Social Teaching
Prerequisite: THE 1000C. An exploration of Christian social teaching, particularly to Roman Catholic social teaching, and its relationship to economic, political, and cultural structures. The concept of the common good and the virtue of distributive justice will be emphasized. Credit: 3 semester hours.

2400 Christian Spirituality and Mysticism
Prerequisite: THE 1000C. A study of the spiritual dimensions of humanity based on the religious nature of human beings, the Christian tradition, and modern interdisciplinary insights regarding human nature. Credit: 3 semester hours.

2500 History of the Church
Prerequisite: THE 1000C. A survey of church doctrines and institutions, critical moments in church history and interpretive resources useful for understanding them. Credit: 3 semester hours.

2501 History of Christian Theology I: Origins Through the Middle Ages
Prerequisite: THE 1000C. Theology and history of the Catholic Church and its relation to other religious and cultural traditions up until 1500 AD. Credit: 3 semester hours.

2502 History of Christian Theology II: Reformations to the Present
Prerequisite: THE 1000C. Theology and history of the Catholic Church and its relation to other religious and cultural traditions from 1500 AD to the present. Credit: 3 semester hours.

2700 Introduction to Eastern Orthodoxy
Prerequisite: THE 1000C. A survey of the churches of the Christian East, their doctrine and spiritual disciplines, and their differences from the churches of the Christian West. Credit: 3 semester hours.

2710 Introduction to Protestantism
Prerequisite: THE 1000C. A survey of the Protestant Christian movement and Protestant thought from the Reformation in Europe in the 16th century to the present-day spread of Protestant Christianity throughout the world. Credit: 3 semester hours.

2810 Introduction to World Religions
Prerequisite: THE 1000C. A critical introduction to the study of world religions, exploring the beliefs, rituals and ethical ideals of representative religious manifestations of the past and present. Credit: 3 semester hours.

2820 Introduction to Judaism
Prerequisite: THE 1000C. Survey of the history of Judaism, with emphasis on its concepts and practices; relationship of Judaism to Christianity, the major theological schools in Judaism. Credit: 3 semester hours.

2830 Introduction to Religions of India
Prerequisite: THE 1000C. Hindu religion: Its scriptures, theology, philosophy and creeds—Vaisnavism and Saivism, eastern mysticism and yoga, and modern Hindu religious consciousness. Credit: 3 semester hours.

2840 Introduction to Buddhism
Prerequisite: THE 1000C. The origin of Buddhism in India: its metaphysics, ethics, monastic order, and scriptures. Discussion of the teachings of two schools of Buddhism: the Theravada in Southeast Asia, and the Mahayana and Zen Buddhism in North and Northeast Asia. Credit: 3 semester hours.

2850 Introduction to Islam
Prerequisite: THE 1000C. A survey of the religion of Islam on the basis of the Qu’ran and Sunnah and its role in the contemporary world. Credit: 3 semester hours.

3000 Global Catholicism
Prerequisite: THE 1000C. A broad historical and theological perspective on contemporary trends shaping global Catholicism and how the Catholic Church could shape the world in the Third Millennium. Credit: 3 semester hours.

3050 The Challenge of Identity, Spirituality, and Living in a Global World
Prerequisites: THE 1000C, and the 2000-series core course. Intended for Seniors. Theological investigation of challenges of identity, spirituality, and living in a global world. Integration of Vincentian values, religious tradition and practices in a global context. Credit: 3 semester hours.

3100 The Gospels of Matthew, Mark, and Luke
Prerequisite: THE 1000C. This course explores the message of and about Jesus of Nazareth found in the oldest written Christian narratives concerning him, the so-called “synoptic gospels.” Credit: 3 semester hours.

3105 The Writings of John
Prerequisite: THE 1000C. A study of the Gospel of John, its origins, structure and theology, and of the three Letters of John, with a consideration of their relationship to the Fourth Gospel and the Apocalypse. Credit: 3 semester hours.

3110 The Letters of Paul
Prerequisite: THE 1000C. A study of the New Testament letters attributed to Paul, with attention to the literary, social, and theological issues in the study of these documents and the early Christian communities to which they were addressed. Credit: 3 semester hours.
3120 The Prophets  
Prerequisite: THE 1000C. A survey of the Old Testament Prophetic Books and a discussion of the nature and significance of prophecy in the Bible and in its context in the ancient Near East. Credit: 3 semester hours.

3130 The Bible and Archaeology  
Prerequisite: THE 1000C. An introduction to the methods and outcomes of archaeological investigation of the lands of the Bible, and a discussion of related issues concerning the history of ancient Israel. Credit: 3 semester hours.

3210 The Mystery of Humanity  
Prerequisite: THE 1000C. An introduction to theological anthropology; the human person as an historical reality. Various conceptions of humanity in the light of the Judeo-Christian revelation. The problem of nature and grace; human evolution and the hope for eternal life. Credit: 3 semester hours.

3215 Theology of Mary and the Saints  
Prerequisite: THE 1000C. The genesis, historical development and current manifestations of the theology of Mary and the saints and Christian liturgical and devotional practices associated with honoring them. Credit: 3 semester hours.

3220 The Mystery of Christ and Everlasting Life  
Prerequisite: THE 1000C. This course explores the mystery of humanity’s hoped-for future: eternal life and the reign of God. It explores the meaning of history, the social depiction of apocalypticism, millenarianism and utopia. Credit: 3 semester hours.

3225 Death and Resurrection in Modern Christian Thought  
Prerequisite: THE 1000C. An examination of America’s interest in death, contributions of the behavioral sciences; biblical and theological perspectives on death and resurrection; contemporary reflections on how to live with death. Credit: 3 semester hours.

3230 Christian Marriage  
Prerequisite: THE 1000C. An exploration of the theological, psychological and sociological dimensions of marriage and family life. The course places particular emphasis on marriage as a sacrament, on the sacredness of family, and on the challenges related to contemporary family life. Credit: 3 semester hours.

3235 Ministry, Orders, Religious Life  
Prerequisite: THE 1000C. Examination of ministry in the life of Jesus as well as manner in which this ministry is manifested in lay and ordained ministry, and the various forms of canonical religious life in the Roman Catholic Church. Credit: 3 semester hours.

3240 Women and Theology  
Prerequisite: THE 1000C. The emergence of a theology of women, stressing personhood; Scripture and Christian traditions concerning women are joined with a study of present Church and world needs. Open to both male and female students. Credit: 3 semester hours.

3250 Dialogue Among the Churches and Religions  
Prerequisite: THE 1000C. A study of the self-image of the Catholic Church and its relations with other Christian Churches and world religions; current dialogues taking place on the local, national and international levels. Credit: 3 semester hours.

3260 Religion and the Arts  
Prerequisite: THE 1000C. Restricted registration for fine arts majors only. Others may enroll with permission of instructor. An exploration of the relationship that exists among the “fine” arts, spirituality, and religion. More particularly, we focus on the ways that the arts have been and are used in the religious traditions, and more particularly the Christian tradition. Credit: 3 semester hours.

3265 Theology and Film  
Prerequisite: THE 1000C. How film functions vis-à-vis theology and religion; film as a theological and religious text as well as film as it embodies religious stories. Credit: 3 semester hours.

3270 Theology in Literature  
Prerequisite: THE 1000C. Theological interpretations of religious themes, metaphors and symbols in classic works of imaginative literature, undertaken with the aid of critical literary theory and historical contextualization. Credit: 3 semester hours.

3300 Moral Theology of Health Care  
Prerequisite: THE 1000C. An exploration of moral decision-making as it relates to the health care professions, with attention to specific issues, including: the right to health care, social justice and health, conscience, abortion, euthanasia, prolongation of life, genetics, contraception, sterilization, drug use, chemical addiction, and human experimentation. Credit: 3 semester hours.

3305 Moral Theology of the Marketplace  
Prerequisite: THE 1000C. Restricted Registration. An exploration and analysis of moral decision-making as it applies to the world of business. Open to Tobin College of Business juniors and seniors only, or with permission of the professor. Credit: 3 semester hours.

3310 The Theology of Peace: A Gospel Reflection on Violence and War  
Prerequisite: THE 1000C. The evolution of the Christian response to war and violence; the Gospel foundations; a historical survey of the “just war” theory; developments since World War II, especially the arms race and the nuclear question. Credit: 3 semester hours.

3320 God and Religion in the City  
Prerequisite: THE 1000C. A survey of selected basic issues (housing, education, welfare, pollution) which affect the quality of life in a large city. A comparison of these realities with the Christian vision of social justice and equality in human dignity. Credit: 3 semester hours.

3400 Spirituality of the Educator  
Prerequisite: 1000C. An introduction for future educators to the spiritual dimensions of the art of teaching focusing on the development of the teacher’s personal spirituality as well as the formative role of teachers in the spiritual development of students. Credit: 3 semester hours.

3410 Helping the Neighbor: Vincent de Paul and the Meaning of Christian Service  
Prerequisite: THE 1000C. An examination of the meaning of Gospel service through the spirituality of St. Vincent de Paul, the 17th-century French saint regarded by both Christians and others as a forerunner of modern social service. Credit: 3 semester hours.

3510 Religion in the United States  
Prerequisite: THE 1000C. A historical and thematical study of religion in the United States from the Age of Discovery/colonial period to the present time. This course explores the diversity of religious belief and practice as well as how religion interacts with U.S. culture and society, especially in the contemporary period. Credit: 3 semester hours.

3530 Religion During and After Modernity  
Prerequisite: THE 1000C. The role of religion in the rise of European culture and its influence on Western civilization. Credit: 3 semester hours.

3550 Theology in the Middle Ages  
Prerequisite: THE 1000C. An introduction to the theology and history of the Catholic Church during the Middle Ages (600–1500 A.D.) by means of an interdisciplinary study of theology, philosophy, history and literature using primary and secondary sources. Credit: 3 semester hours.

3610 Youth Ministry: Theory and Practice  
Prerequisite: THE 1000C. The theory and practice of ministry to youth as it is currently developing, especially in the United States. Credit: 3 semester hours.

3810 Anthropology of Religion  
Prerequisite: THE 1000C. Religions of societies with primitive technologies examined to see various forms religion takes, the functions it serves and the meanings it has for the people believing and practicing it. Consideration of the cultural contexts of religion and its relation to change. Credit: 3 semester hours.

3820 Israel and the Ancient Near East  
Prerequisite: THE 1000C. The history of Israel as recovered through the tools of contemporary scholarship, in order to understand its religious roots and influence on contemporary life. Credit: 3 semester hours.
3830 Modern Moral Issue in Judaism
Prerequisite: THE 1000C. The application of Jewish theological and ethical teachings in working out solutions to moral and religious problems. Credit: 3 semester hours.

3840 Contemporary Judaism
Prerequisite: THE 1000C. A survey of the theological and philosophical foundations of Judaism, and its development as a framework for contemporary Jewish life and practice. Religious, ethical, and educational attitudes found among Jews today; an examination of Judaism as a religious experience and a way of life in modern times. Credit: 3 semester hours.

3850 The Holocaust and Its Aftermath
Prerequisite: THE 1000C. The reaction of Jews and Christians to the destruction of Eastern European Judaism and the Jewish response in prayer, literature and religious thought. Credit: 3 semester hours.

3855 A Jewish View of Marriage and the Family

3860 The Family in Islamic Life and Theology
Prerequisite: THE 1000C. A survey of the Islamic teachings on family life and of family life in Muslim life and thought. Credit: 3 semester hours.

3910 Faith and Reason in Theology
Prerequisite: THE 1000C. A study of selected texts in the philosophy of religion, illustrating the classical philosophical interpretation of ancient Greco-Roman religion, medieval Christian philosophy in the service of the Christian religion, and the analysis and critique of religion by modern, religiously autonomous philosophies. Credit: 3 semester hours.

3920 Science and Religion
Prerequisite: THE 1000C. A comparative study of methods in science with methods in theology, with a view to understanding the relationship between scientific and theological truth. Traditional Church doctrines such as creation, divine providence, original sin, biblical miracles, virginal conception, resurrection and eternal life are re-examined with light from contemporary scientific knowledge. Credit: 3 semester hours.

3930 Psychology and Religion
Prerequisite: THE 1000C. A survey of the interpretation of religion in major psychological schools and the application of psychological insights by the Christian churches to their ideals of personality and the Christian way of life. Credit: 3 semester hours.

4020 Biblical Issues (Mini-Course)
Prerequisite: THE 1000C. Course does not satisfy St. John’s University Core requirements. An examination of the critical biblical issues for today’s living. Issues such as archaeology, suffering and evil, fundamentalism, biblical interpretation, Christian-Jewish dialogue are examined, evaluated and discussed. Credit: 3 semester hours.

4200 Christian Leadership
Prerequisite: THE 1000C and permission of the instructor. Does not satisfy St. John’s University Core requirements. An experience-based exploration into the purpose, dynamics and problems encountered in Christian leadership and service to the community; field experiences in actual service programs are the focus and material for case presentations and discussion. Lectures are geared to further illuminating issues that arise in the context of case discussions. Credit: 3 semester hours.

4920 Selected Theological Questions
Prerequisite: THE 1000C. Does not satisfy St. John’s University Core requirements. Open to students who desire to pursue an in-depth study of particular theological subjects of interest to them under the guidance of a member of the Theology faculty. Credit: 3 semester hours.

4930 Reading and Research
Prerequisite: THE 1000C and nine semester hours in THE. Does not satisfy St. John’s University Core requirements. Restricted Registration. Guided research and reading on an individual basis. Students must submit to the department Chair, in writing and prior to registration, an outline of the subject areas to be researched or read together with written acceptance of the project by a faculty member of their choice. Open to juniors and seniors only. Prior departmental approval required. Credit: 3 semester hours.

4950; 4955 New Testament Greek I; II
Prerequisite: THE 1000C. Does not satisfy St. John’s University Core requirements. The basic elements of Greek grammar and syntax. Basic vocabulary of New Testament writings. Selected readings from New Testament writings. Credit: 3 semester hours.

4990 Seminar
Prerequisite: THE 1000C. Does not satisfy St. John’s University Core requirements. An in-depth study of particular theological subjects under the guidance of a member of the Theology faculty. Required for Theology majors, and open to Theology minors. Credit: 3 semester hours.

4991 Independent Study
Prerequisite: THE 1000C and permission of the instructor. Does not satisfy St. John’s University Core requirements. Open to juniors and seniors only. Prior departmental approval required. Credit: 3 semester hours in THE. Does not satisfy St. John’s University Core requirements. In-depth study of particular theological subjects under the guidance of a member of the Theology faculty. Required for Theology majors, and open to Theology minors. Credit: 3 semester hours.

Asian Studies
Bernadette Li, Director and Professor, B.A., National Taiwan University; M.A., University of Washington; Ph.D., Columbia University
Nyo Chung, Assistant Professor, B.A., M.A., Sang Myung College, Korea; M.A., Long Island University
Mei-Yi Chou, Adjunct Instructor, B.A., Tamkang University; M.A., St. John’s University
Mei-Chin Tu Hsiau, Adjunct Instructor, B.A., Chinese Cultural University; B.A., Queens College, CUNY; M.A., St. John’s University
Chao-Chih Huang, Adjunct Assistant Professor, B.A., Chinese Culture University; M.A., St. John’s University
Diana H. Kung, Adjunct Instructor, B.A., National Taiwan College of Art; M.A., Montclair State University
John C. Lin, Adjunct Instructor, B.A., University of California at Berkeley; M.A., St. John’s University; Ph.D. candidate, CUNY
John J. Metzler, Assistant Professor, B.A., M.A., St. John’s University
Hung-Yi Shen, Associate Director, LL.B., Soochow University; M.I., University of Wisconsin; LL.M., University of Washington; D.A., St. John’s University
Tokumitsu Shibata, Adjunct Instructor, B.A., M.A. KoKushikan University; M.A. St. Johns University
Wenshan Shih, Adjunct Assistant Professor, B.A., Nat’l Taiwan University; M.A., University of Minnesota; Ph.D., University of Toronto
Winnie C. Tsai, Adjunct Instructor, B.A., Providence College; M.A., St. John’s University
Johnson L. Tseng, Adjunct Associate Professor, B.A., M.B.A., Nat’l Chengchi University; M.A., Ph.D., SUNY, Albany
Yoshiko Watanabe, Adjunct Instructor, B.A., Musashi University, Japan; M.A., Ed.M., Columbia University

Biology
Christopher Bazinet, Associate Professor, B.A., University of Wisconsin-Madison; Ph.D., Massachusetts Institute of Technology
Frank R. Cantelmo, Associate Professor, B.S., Fairleigh Dickinson University; Ph.D., CUNY
Timothy H. Carter, Professor, B.A., Harvard University; Ph.D., Princeton University
Anne M. Dranginis, Professor, B.S., University of Massachusetts; Ph.D., University of Michigan
Jai Dwivedi, Assistant Professor, B.A., M.S., Adelphi University, Ph.D., St. John’s University
Irvin N. Hirshfield, Associate Professor, B.S., University of Delaware; Ph.D., University of Pittsburgh
Dianella G. Howarth, Assistant Professor, B.A., University of Pennsylvania; Ph.D., Harvard University

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Yue Jee Lin, Associate Professor, B.S., National Taiwan University; M.S., Ph.D., Ohio State University

Simon Geir Moller, Professor and EMBO Young Investigator, B.S., University of Leeds, UK; M.S., The University of London; Ph.D., University of Leeds, U.K.

Matteo Ruggiu, Assistant Professor, B.S., University of Pavia, Italy; Ph.D., Medical Research Council, Edinburgh, U.K.

Laura Schramm, Associate Professor, B.S., SUNY, Stonybrook M.S., St. Johns University; Ph.D., SUNY, Stonybrook

Richard Stalter, Professor, B.S., Rutgers University; M.S., University of Rhode Island; Ph.D., University of South Carolina

Ales Vancura, Professor, M.S., Ph.D., The Prague Institute of Chemical Technology

Ivana Vancurova, Professor, M.S., Ph.D., The Prague Institute of Chemical Technology; Ph.D., Czech Academy of Sciences

Yong Yu, Assistant Professor, B.S., Ocean University of Qingdao, China; Ph.D., Chinese Academy of Sciences

Jay A. Zimmerman, Professor, B.A., Franklin and Marshall College; Ph.D., Rutgers University

Rachel Zufferey, Associate Professor, B.S./M.S./Ph.D., The Swiss Federal Institute of Technology, Zurich, Switzerland

Chemistry

Ernest Birnbaum, Professor Emeritus, B.A., University of California; M.S., University of South Carolina; Ph.D., University of Florida

James E. Brady, Professor Emeritus, B.S., Hofstra University, Ph.D., Pennsylvania State University

David Brown, Associate Professor, B.S., University of the West Indies; Ph.D., CUNY, City College

Vctor Cesare, Professor, B.S., SUNY, Albany; M.S., Ph.D., St. John’s University

Guofang Chen, Associate Professor, B.S., Huayin Institute of Technology; M.E., Dalian Institute of Technology; Ph.D., Dalian Institute of Chemical Physics, Chinese Academy of Sciences/Otto-von-Guericke University of Magdeburg

Gina M. Florio, Associate Professor, A.B., Vassar College, Ph.D., Purdue University

Steven Graham, Associate Professor, B.S., Ph.D., SUNY, Stony Brook

Alison G. Hyslop, Associate Professor, B.S., M.S., Ph.D., University of Pennsylvania

Neil D. Jespersen, Professor, B.S., Washington and Lee University, Ph.D., Pennsylvania State University

Eugene J. Kupchick, Professor Emeritus, B.S., Ph.D., Rutgers University

Philip S. Lukeman, Associate Professor, B.Sc. Leicester University/Colorado State University; Ph.D., Cambridge University

Elise G. Megehee, Associate Professor, B.S., University of Rochester; M.S., Ph.D., University of North Carolina

William H. Pasfield, Professor Emeritus, B.S., Massachusetts Institute of Technology; Ph.D., University of Connecticut

Richard Rosso, Associate Professor, B.S., SUNY, Albany; Ph.D., SUNY Buffalo

Joseph Serafin, Associate Professor, B.S., Gannon University, Ph.D., Columbia University

Ralph Stephani, Associate Professor, B.S., College of the Holy Cross; Ph.D., SUNY, Buffalo

Siao F. Sun, Professor Emeritus, LL.B., National Chengchi University; M.A., University of Utah; M.S., Loyola University; Ph.D., University of Illinois; Ph.D., University of Chicago

Anthony C. Testa, Professor Emeritus, B.S., CUNY; Ph.D., Columbia University

Enju Wang, Professor, B.S., Shandong Normal University; M.Sc., Nanjing Soil Institute Academia Sinica; Ph.D., Laboratorium für Organische Chemie; Post-Doctoral Fellow, University of Michigan

Communication Sciences and Disorders

Susan Antonellis, Clinical Supervisor and Adjunct Assistant Professor, B.A., St. John’s University; M.A., Adelphi University; Au.D., Arizona School of Health Sciences

Fredericka Bell-Berti, Professor, B.S., CCNY, Ph.D., CUNY

Linda Carozza, Associate Professor, B.A., M.A., City College, CUNY; Ph.D., CUNY

Jose G. Centeno, Associate Professor, B.A., University of Guelph; M.A., Hofstra University; Ph.D., CUNY

Nancy Colodny, Associate Professor, B.S., Emerson College; M.S., Ed.D., Teachers College, Columbia University

Donna S. Gefner, Professor, Director of Speech and Hearing Center; Director of the M.A. Graduate Program in Speech-Language Pathology, B.A., CUNY, Brooklyn College; M.A., Ph.D., New York University; former President of ASHA

Peggy F. Jacobson, Associate Professor, B.A., University of New Mexico; M.A., New Mexico State University, Ph.D., CUNY

Tina Jupiter, Associate Professor, B.A., CUNY, Brooklyn College; M.A., Hunter College; Ph.D., Columbia University

Angela Murphy, Clinical Supervisor and Adjunct Instructor, B.S., M.A., St. John’s University

Anthea Vivona, Clinical Supervisor, B.A., M.A., St. John’s University

Monica Wagner, Assistant Professor, B.A., SUNY-Cortland; M.A., CUNY; Ph.D., CUNY

Patrick Walden, Associate Professor, B.A., Florida State University, Tallahassee; M.A., New Mexico State University, Ph.D., Florida Atlantic University.

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Lee Ann Brown, Associate Professor, M.F.A., Brown University

Gabriel Brownstein, Associate Professor, B.A., Oberlin College, M.F.A, Columbia University

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Raj Chetty, Assistant Professor, B.A., University of California; M.A. Brigham Young University; PhD, University of Washington

Harry Denny, Associate Professor, B.A., University of Iowa, M.A., University of Colorado, Ph.D., Temple University

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Granville Ganter, Associate Professor, Boston University; M.A., University of Vermont; Ph.D., CUNY

Anne Geller, Associate Professor, B.A., Mount Holyoke ; M.A., N.Y.U., Ph.D., Steinhardt School of Education

Rachel Hollander, Associate Professor, B.A. Swarthmore College, M.A., Ph.D., Rutgers University

Amy King, Associate Professor, B.A., Bates College; M.A., Ph.D., Harvard University

Brian Lockey, Associate Professor, B.A. Swarthmore College, M.A., University of Sussex, Ph.D., Rutgers University

John Lowney, Professor, B.A., M.A., University of Massachusetts; Ph.D., Brown University

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Gregory Maertz, Professor, B.A., Northwestern University; A.M., Ph.D., Harvard University

Steven Mentz, Professor, B.A., Princeton University; M.A., Ph.D., Yale University

Stephen Miller, Professor, B.A., M.A., CUNY; Ph.D., New York University
Art and Design

Elizabeth Albert, Assistant Professor of Art, B.F.A., Boston University School for the Arts; M.F.A., CUNY, Queens College
Joseph Adolphe, Professor of Art, B.F.A., Alberta College of Art; M.F.A., School of Visual Arts
Dan Ault, Adjunct Assistant Professor of Art, B.A., University of South Florida; M.F.A., CUNY, City College of New York
Ross W. Barbera, Associate Professor of Art, B.F.A., St. John’s University; M.F.A., Pratt Institute
Lucy Bermingham, Adjunct Associate Professor of Art, B.A. Dance, Mount Holyoke College; M.A. Dance Studies, Laban Centre London/City University of London
Linda Butti, Adjunct Professor of Art, B.A., M.F.A., CUNY, Brooklyn College
Frances Cappillo, Adjunct Professor of Music, B.S., Brentwood College; M.S., Richmond College; M.A., Adelphi University
Judy Cooperman, Adjunct Associate Professor of Art, B.A. Queens College, C.U.N.Y., Queens, NY; M.A. Washington University, St. Louis, MO; M.F.A. C.W. Post College, Long Island University, Brooklyn, NY
Jody B. Cutler, Adjunct Assistant Professor of Art History, B.A., New York University; M.A., City College of the City University of New York; Ph.D., State University of New York at Stony Brook
Elizabeth Deluna, Assistant Professor of Art, B.F.A., San Francisco Art Institute; M.F.A., Yale School of Art
Louis DiGena, Associate Professor of Art, B.A., Upsala College; M.F.A., School of Visual Arts
Heather E. Dunn, Adjunct Associate Professor of Art, B.F.A., The School of Visual Arts, New York, NY; M.A. SUNY at Stony Brook, Stony Brook, NY; M.F.A., Queens College, Flushing, NY
Paul Fabozzi, Professor of Art, B.F.A., Alfred University; M.F.A., University of Pennsylvania

Connie Frisch-Cherniak, Adjunct Associate Professor of Art, B.S., University of Wisconsin; M.F.A., Rutgers University
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Anthony C. LoBalbo, Associate Professor of Music, B.M., SUNY, Potsdam; M.M., Manhattan School of Music; Ph.D., New York University
Michael Mancari, Adjunct Assistant Professor of Art, B.F.A. The Maryland Institute College of Art, M.F.A., Yale University
William A. Morel, Assistant Professor of Art, B.F.A., St. John’s University; M.F.A. Rutgers University
Mary Lee Morris, Adjunct Professor of Art, B.A., Barnard College; M.A., Fordham University; Ph.D., Fordham University; J.D., Hofstra School of Law
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